SONY

CAMERA CONTROL UNIT

CCU-700A
CCU-700AP

SDI INPUT BOARD
BKP-7312

MAINTENANCE MANUAL
Volume 2 2nd Edition (Revised 2)
Serial No. 15001 and Higher (UC)
Serial No. 35001 and Higher (J)
Serial No. 45001 and Higher (CE)
Serial No. 50001 and Higher (UC/J/CE)

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理など行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l’entretien. Afin de réduire les risques de décharge électrique, d’incendie ou de blessure n’effectuer que les réparations indiquées dans le mode d’emploi à moins d’être qualifié pour en effectuer d’autres. Pour toute réparation faire appel à une personne compétente uniquement.

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Manual Structure

Purpose of this manual

This manual is the maintenance manual for Camera Control Unit CCU-700A/700AP. This manual describes the information items necessary when the unit is supplied and installed, items on maintenance, and items that premise the service based on the components parts such as alignment, schematic diagrams, board layouts and spare parts list, assuming use of system and service engineers.

Contents

This followings are summaries of the each section for understanding the manual.

Maintenance Manual Volume 2

Section1. Spare Parts
Describes parts list, exploded views, supplied accessories and fixtures list used in the unit.

Section 2. Semiconductor Pin Assignments
Describes function diagrams and pin names of semiconductor used in the unit.

Section 3. Block Diagrams
Describes overall block diagram and the block diagrams for every circuit board.

Section 4. Schematic Diagrams
Describes schematic diagrams for every circuit board.

Section 5. Board Layouts
Describes board layouts for every circuit board.

Maintenance Manual Volume 1

Section 1. Installation
Describes information about connector input/output signals, instance of configuration and function of internal switches.

Section 2. Service Overview
Describes information about replacement of part and notes on services.

Section 3. Electrical Alignment
Describes electrical adjustment.

Section 1
Spare Parts

1-1. Notes on Spare Parts

1. Safety Related Components Warning

Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts

Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized spare parts.

3. Stock of Parts

Parts marked with “o” at SP(Supply Code) column of the spare parts list may be not stocked. Therefore, the delivery date will be delayed.

4. Units Representation

The following represented units are changed or omitted in writing.

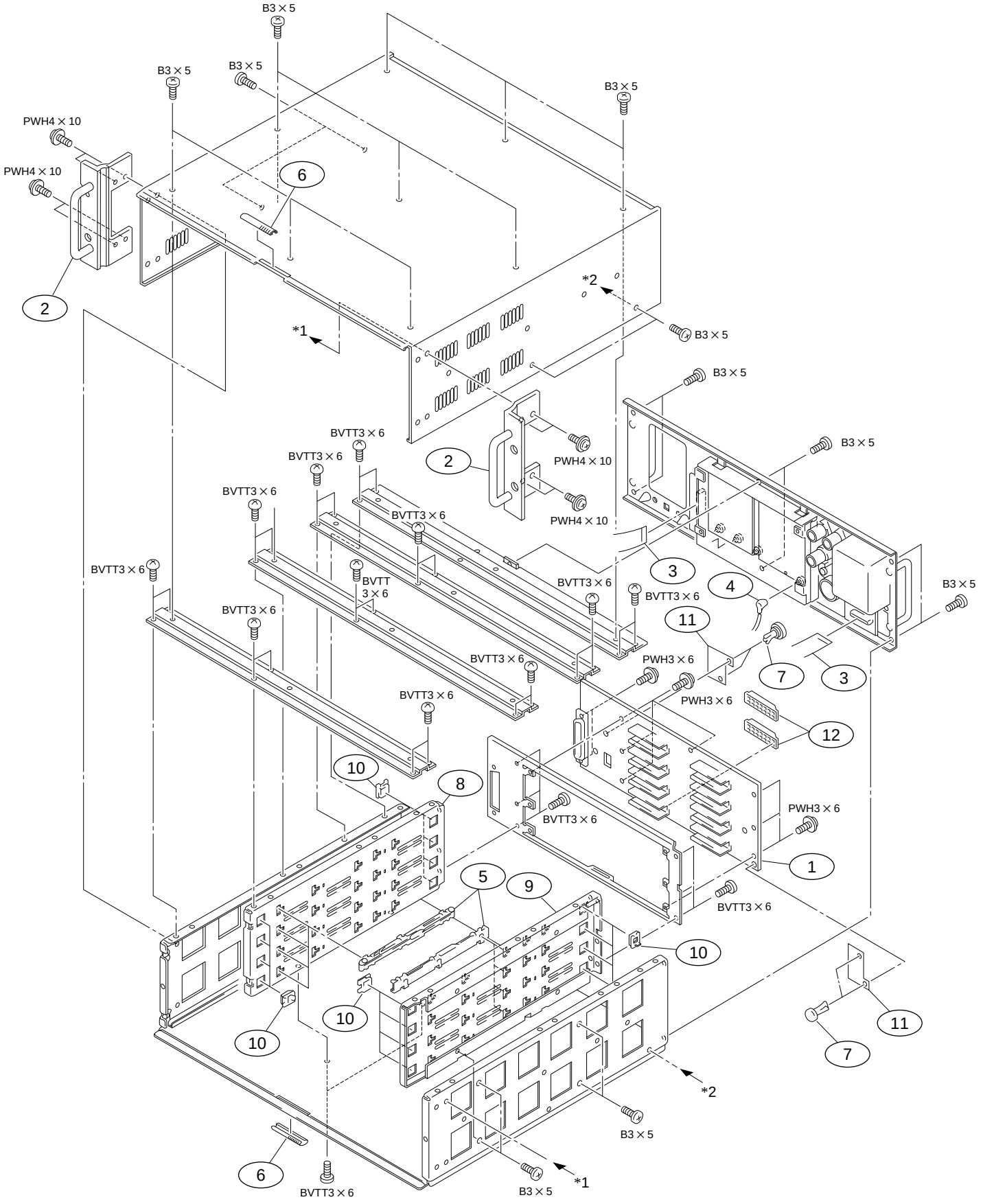
Units		Representation
Capacitance	μF	uF
Inductance	μH	uH
Resistance	Ω	Abbreviation
Temperature	˚C	XXX-DEG-C

5. Destination Representation

The part indicated “For J/UC/CE” in the spare parts list is used in the unit written below.
For J : The part is used in a unit for Japan.
For UC: The part is used in a unit for U.S.A. and Canada.
For CE : The part is used in a unit for regions except the above countries.

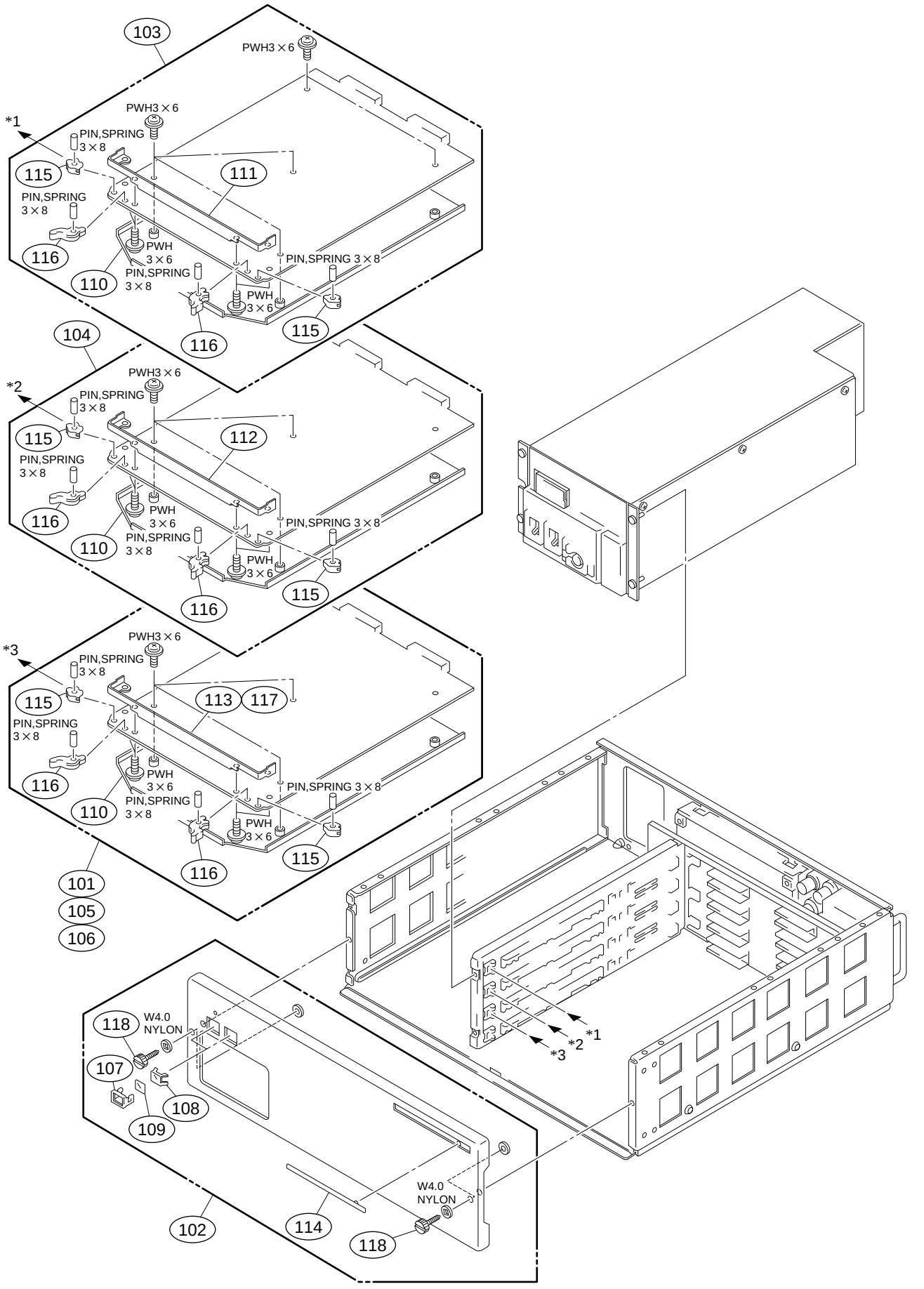
6. The part that the part number is parenthesized is compatible with the part just above it.

1-2. Exploded Views



No.	Part No.	SP	Description
1	A-8314-024-A	o	MOUNTED CIRCUIT BOARD, MB-563
2	X-2127-218-3	o	ANGLE (3U) ASSY, RACK
3	1-590-489-11	s	CABLE, FLEXIBLE FLAT (25 CORE)
4	1-765-696-11	s	CABLE ASSEMBLY, COAXIAL
5	3-169-099-01	o	RAIL, PC BOARD GUIDE
6	3-175-260-01	o	FINGER, SNAP
7	3-531-576-11	s	RIVET
8	3-681-029-11 (3-681-029-01)	o	RAIL PLATE L
9	3-681-031-11 (3-681-031-01)	o	RAIL PLATE R
10	3-681-043-01	o	GUIDE
11	3-693-964-01	o	SHEET,INSULATING
12	3-693-966-01	o	GUARD,PIN

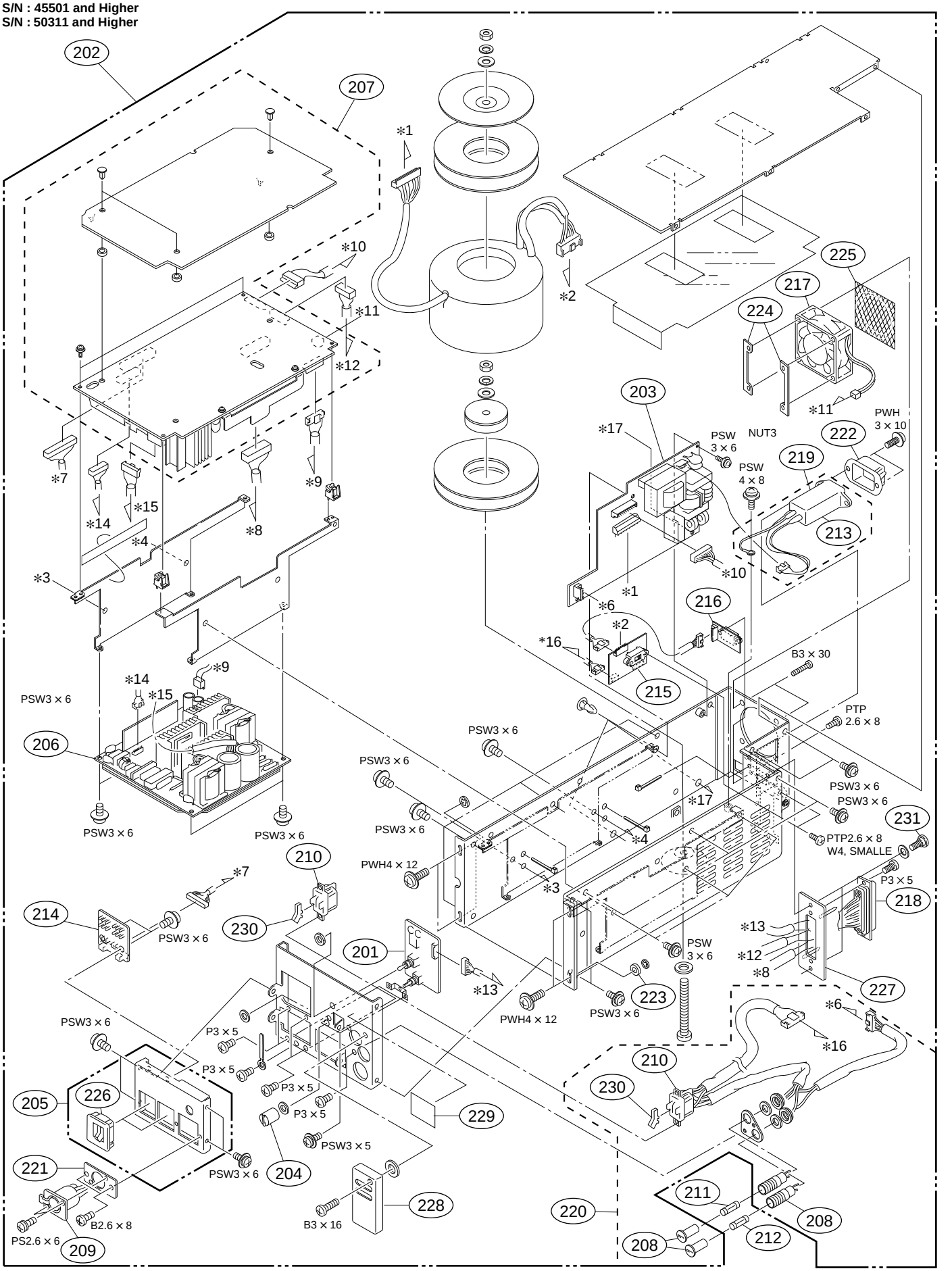
CABINET AND BOARDS BLOCK-2



No.	Part No.	SP	Description
101	A-8265-852-A	o	MOUNTED CIRCUIT BOARD, VA-156P (FOR CCU-700AP)
102	A-8278-053-A	o	FRONT ASSY
103	A-8314-022-A	o	MOUNTED CIRCUIT BOARD, DM-94
104	A-8314-023-A	o	MOUNTED CIRCUIT BOARD, AT-88
105	A-8314-031-A	o	MOUNTED CIRCUIT BOARD, VA-156A (FOR CCU-700A:UC)
106	A-8314-039-A	o	MOUNTED CIRCUIT BOARD, VA-156B (FOR CCU-700A:J)
107	2-139-192-01	s	FRAME, INDICATOR WINDOW
108	2-139-193-02	s	WINDOW, INDICATOR
109	2-249-353-00	s	COVER, LAMP
110	3-681-020-01	o	PC SHIELD PLATE
111	3-681-036-01	o	PC BOARD PANEL DM
112	3-681-037-01	o	PC BOARD PANEL AT
113	3-681-038-01	o	PC BOARD PANEL VA (FOR CCU-700A)
114	3-681-039-01	o	NAME LABEL
115	3-681-042-01	o	LEVER, PC BOARD(1)
116	3-681-045-01	o	LEVER, PC BOARD(2)
117	3-683-019-01	o	PC BOARD PANEL VA/P (FOR CCU-700AP)
118	3-687-887-01	s	SCREW (M4X20)

POWER ASSY

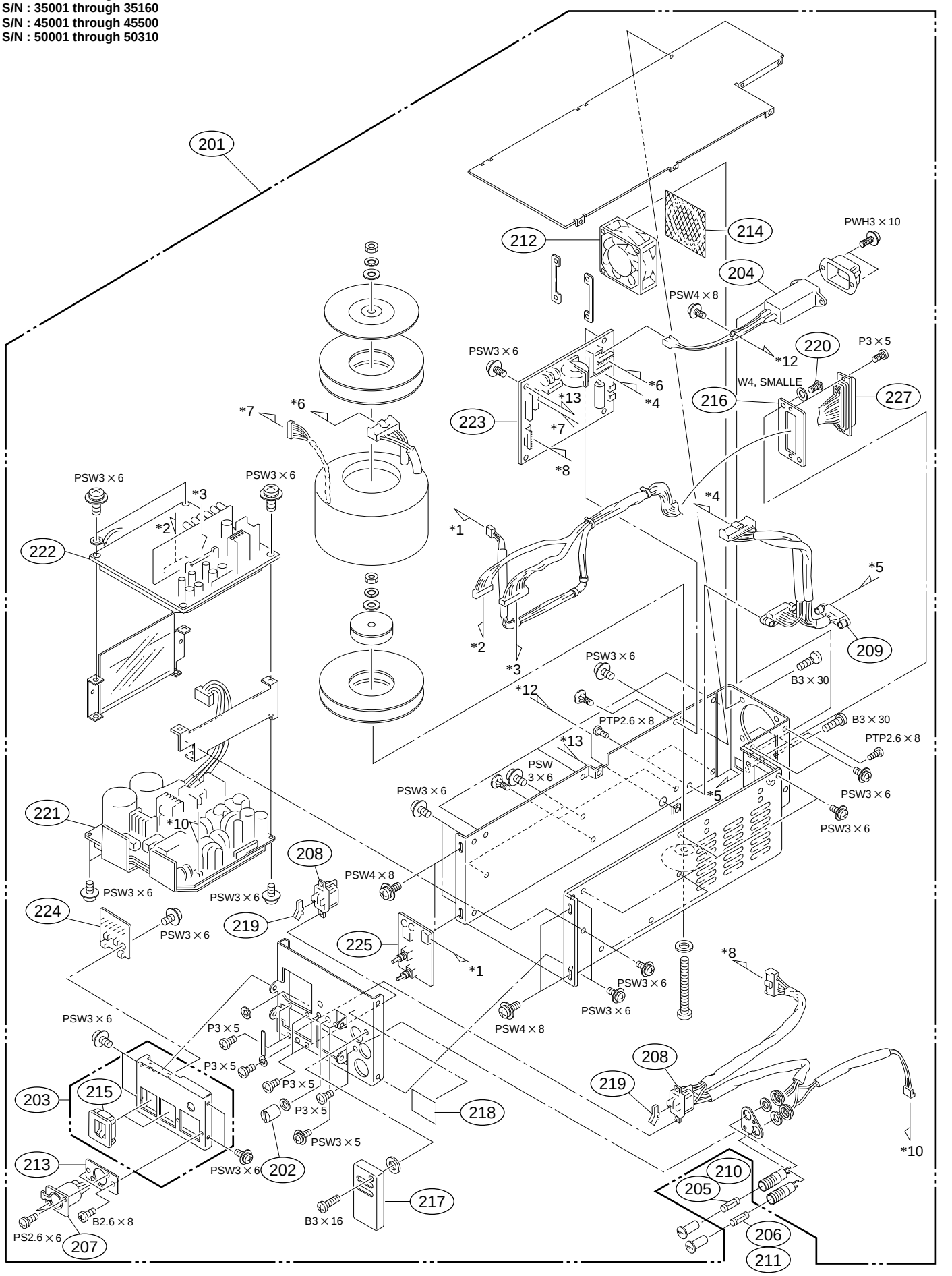
S/N : 15701 and Higher
S/N : 35161 and Higher
S/N : 45501 and Higher
S/N : 50311 and Higher



No.	Part No.	SP	Description
201	A-8272-884-A	o	MOUNTED CIRCUIT BOARD, AU-209
202	A-8273-371-B	s	UNIT (RP), POWER
203	A-8320-133-A	o	MOUNTED CIRCUIT BOARD, FL-246
204	X-3664-209-0	s	KNOB ASSY, GAIN
205	X-3678-155-1	o	PS PANEL ASSY
206	1-475-446-11	o	POWER UNIT (PS-480)
207	1-475-447-11	o	POWER UNIT (PS-481)
208	1-533-191-12	s	HOLDER, FUSE
209	1-563-159-11	s	CONNECTOR, 5P FEMALE “INTERCOM”
210	⚠ 1-570-117-41	s	SWITCH, ROCKER “MAIN” “CAMERA”
211	⚠ 1-576-230-11	s	FUSE(H.B.C) T3.15AH 250V (FOR CCU-700AP)
	⚠ 1-532-745-11	s	FUSE, GLASS TUBE 3.15A 125V (FOR CCU-700A)
212	⚠ 1-576-231-11	s	FUSE(H.B.C) T4.0AH 250V (FOR CCU-700AP)
	⚠ 1-532-748-11	s	FUSE, GLASS TUBE 6.3A 125V (FOR CCU-700A)
213	⚠ 1-580-357-21	s	INLET, 3P
214	1-660-104-11	o	PRINTED CIRCUIT BOARD, LE-133
215	1-669-659-11	o	MOUNTED CIRCUIT BOARD, SW-958
216	1-669-660-11	o	MOUNTED CIRCUIT BOARD, SW-959
217	1-698-804-11	o	MOTOR, DC
218	1-959-139-11	o	HARNESS (D-50)
219	1-959-141-11	o	HARNESS (AC)
220	1-959-142-11	o	HARNESS (FUSE)
221	2-128-245-02	o	PLATE (XLR), PHONE
222	2-990-241-02	s	HOLDER, PLUG (A)
223	3-603-809-01	o	SPACER
224	3-675-897-01	o	BRACKET, FAN
225	3-675-898-00	o	PLATE, VENTILATION
226	3-681-054-01	o	POWER SW GUARD
227	3-681-055-11 (3-681-055-01)	o	50PIN PLATE
228	3-681-721-11 (3-681-721-01)	o	BLIND PLATE, FUSE
229	3-681-730-03	o	FUSE LABEL
230	3-688-814-01	s	CAP, SWITCH
231	3-694-825-11	s	SCREW (M3) (STEP), SPECIAL HEAD

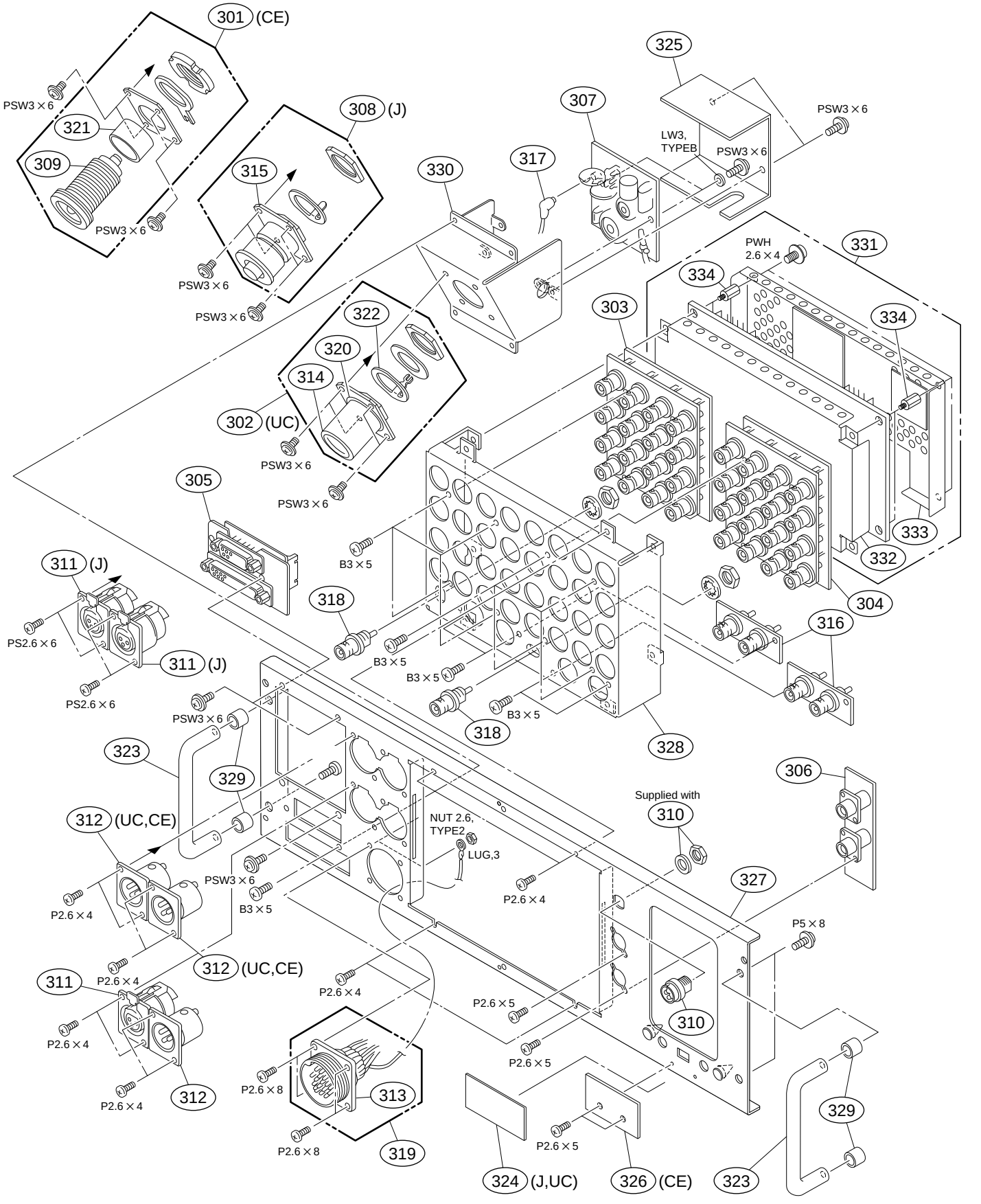
POWER ASSY

S/N : 15001 through 15700
S/N : 35001 through 35160
S/N : 45001 through 45500
S/N : 50001 through 50310



No.	Part No.	SP	Description
201	⚠ A-8273-371-A	s	POWER UNIT(RP)
202	X-3664-209-0	s	KNOB ASSY, GAIN
203	X-3678-155-1	o	PS PANEL ASSY
204	⚠ 1-251-378-11	s	INLET, AC (3P) “AC IN”
205	⚠ 1-532-745-11	s	FUSE, GLASS TUBE 3.15A 125V (FOR CCU-700A)
206	⚠ 1-532-748-11	s	FUSE, GLASS TUBE 6.3A 125V (FOR CCU-700A)
207	1-563-159-11	s	CONNECTOR, 5P FEMALE “INTERCOM”
208	⚠ 1-570-117-41	s	SWITCH, ROCKER “MAIN” “CAMERA”
209	⚠ 1-570-173-11	s	SELECTOR, POWER VOLTAGE
210	⚠ 1-576-230-11	s	FUSE(H.B.C) T3.15AH 250V (FOR CCU-700AP)
211	⚠ 1-576-231-41	s	FUSE(H.B.C) T4.0AH 250V (FOR CCU-700AP)
212	1-698-106-11	s	MOTOR, DC BLUSHLESS FAN
213	2-128-245-01	o	PLATE (XLR), PHONE
214	3-675-898-00	o	PLATE, VENTILATION
215	3-681-054-01	o	POWER SW GUARD
216	3-681-055-11 (3-681-055-01)	o	50PIN PLATE
217	3-681-721-11 (3-681-721-01)	o	BLIND PLATE,FUSE
218	3-681-730-03	o	FUSE LABEL
219	3-688-814-01	s	CAP, SWITCH
220	3-694-825-11	s	SCREW (M3) (STEP),SPECIAL HEAD
221	1-589-836-11	o	MOUNTED CIRCUIT BOARD, PS-356
222	1-589-837-11	o	MOUNTED CIRCUIT BOARD, PS-357
223	1-589-838-11	o	MOUNTED CIRCUIT BOARD, CN-1013
224	1-660-104-11	o	PRINTED CIRCUIT BOARD, LE-133
225	A-8272-884-A	o	MOUNTED CIRCUIT BOARD, AU-209
227	1-955-706-11	o	HARNESS, D-SUB

REAR PANEL BLOCK



No.	Part No.	SP	Description
301	A-8265-850-A	o	TRIAX ASSY (F) (FOR CCU-700AP)
302	A-8314-019-A	o	TRIAX ASSY (K) (FOR CCU-700A:UC)
303	A-8314-026-A	o	MOUNTED CIRCUIT BOARD, CN-1015
304	A-8314-027-A	o	MOUNTED CIRCUIT BOARD, CN-1036
305	A-8314-028-A	o	MOUNTED CIRCUIT BOARD, CN-1014
306	A-8314-029-A	o	MOUNTED CIRCUIT BOARD, CN-1049
307	A-8314-030-A	o	MOUNTED CIRCUIT BOARD, IO-103
308	A-8314-037-A	o	TRIAX ASSY (T) (FOR CCU-700A:J)
309	1-560-744-11	s	CONNECTOR, COAXIAL "CAMERA" (FOR CCU-700AP)
310	1-561-376-00	s	CONNECTOR, 4P FEMALE "WF MODE"
311	1-563-029-21	s	CONNECTOR, 3P FEMALE "RTS" "MIC OUTPUT" (FOR CCU-700A:J)
312	1-563-030-21	s	CONNECTOR, 3P MALE "RTS" "MIC OUTPUT"(FOR CCU-700A:UC/CCU-700AP)
313	1-564-971-11	o	CONNECTOR, MULTI 19P MALE "INTERCOM/TALLY/PGM"
314	1-565-796-11	s	CONNECTOR, DOUBLE COAXIAL "CAMERA" (FOR CCU-700A:UC)
315	1-565-798-12	s	CONNECTOR, DOUBLE COAXIAL "CAMERA" (FOR CCU-700A:J)
316	1-750-881-11	s	CONVERTER, COAXIAL CONNECTOR, BNC "SERIAL INPUT RET1/RET2" "SERIAL OUTPUT 2/3"
317	1-765-696-11	s	CABLE ASSEMBLY, COAXIAL
318	1-774-157-11	s	CONVERTER, COAXIAL CONNECTOR, BNC "COAX" "SERIAL OUTPUT 1"
319	1-953-610-11	o	HARNESS (SK-19)
320	2-132-244-01	o	SPACER (UC)
321	2-361-587-00	o	SLEEVE (CE)
322	2-365-236-00	o	LUG (K), GROUND (FOR CCU-700A:UC)
323	2-378-801-01	s	HANDLE
324	3-681-035-01	o	BLIND SHEET (FOR CCU-700A)
325	3-681-048-11 (3-681-048-01)	o	TRIAX BOX LID
326	3-683-020-01	o	COVER, INDICATION PLATE (FOR CCU-700AP)
327	3-693-962-02	o	REAR PANEL
328	3-693-963-02	o	BRACKET,BNC
329	3-693-965-01	o	SPACER,HANDLE
330	3-741-713-02 (3-741-713-01)	o	BOX, TRIAX
331	SDI INPUT BOARD BKP-7312 (OPTION)		
332	X-3678-532-1	o	ASSY, CASE (A) SHIELD
333	X-3678-533-1	o	ASSY, CASE (B) SHIELD
334	3-675-725-01	o	SPACER, PC BOARD

No.	Part No.	SP	Description
	7-621-284-00	s	SCREW +P 2.6X4
	7-621-770-XX	s	SCREW +B 2.6X8
	7-622-207-05	s	N 2.6, TYPE 2
	7-623-422-07	s	LW 3, TYPE B
	7-623-508-01	s	LUG, 3
	7-623-925-01	s	WASHER 4.0, NYLON
	7-626-320-11	s	PIN, SPRING 3X8
	7-627-556-58	s	SCREW +P 2.6X5
	7-682-174-01	s	SCREW +P 5X8
	7-682-275-09	s	SCREW +K 5X10
	7-682-546-04	s	SCREW +B 3X5
	7-682-546-09	s	SCREW +B 3X5
	7-682-647-09	s	SCREW +PS 3X6
	7-682-902-01	s	SCREW +PWH 2.6X4
	7-682-903-11	s	SCREW +PWH 3X6
	7-682-904-21	s	SCREW +PWH 4X10
	7-682-947-09	s	SCREW +PSW 3X6
	7-685-871-01	s	SCREW +BVTT 3X6 (S)
	7-688-004-02	o	W 4, SMALL

1-3. Electrical Parts List

RESISTOR, CHIP

Part No. SP Description

1-216-295-00 s S, CHIP 0 5% 1/10W
1-216-298-00 s S, CHIP 2.2 5% 1/10W
1-216-302-00 s S, CHIP 2.7 5% 1/10W
1-216-304-00 s S, CHIP 3.3 5% 1/10W
1-216-306-00 s S, CHIP 3.9 5% 1/10W

1-216-308-00 s S, CHIP 4.7 5% 1/10W
1-216-309-00 s S, CHIP 5.6 5% 1/10W
1-216-311-00 s S, CHIP 6.8 5% 1/10W
1-216-313-00 s S, CHIP 8.2 5% 1/10W
1-216-001-00 s S, CHIP 10 5% 1/10W

1-216-003-00 s S, CHIP 12 5% 1/10W
1-216-005-00 s S, CHIP 15 5% 1/10W
1-216-007-00 s S, CHIP 18 5% 1/10W
1-216-009-00 s S, CHIP 22 5% 1/10W
1-216-011-00 s S, CHIP 27 5% 1/10W

1-216-013-00 s S, CHIP 33 5% 1/10W
1-216-015-00 s S, CHIP 39 5% 1/10W
1-216-017-00 s S, CHIP 47 5% 1/10W
1-216-019-00 s S, CHIP 56 5% 1/10W
1-216-021-00 s S, CHIP 68 5% 1/10W

1-216-023-00 s S, CHIP 82 5% 1/10W
1-216-025-00 s S, CHIP 100 5% 1/10W
1-216-027-00 s S, CHIP 120 5% 1/10W
1-216-029-00 s S, CHIP 150 5% 1/10W
1-216-031-00 s S, CHIP 180 5% 1/10W

1-216-033-00 s S, CHIP 220 5% 1/10W
1-216-035-00 s S, CHIP 270 5% 1/10W
1-216-037-00 s S, CHIP 330 5% 1/10W
1-216-039-00 s S, CHIP 390 5% 1/10W
1-216-041-00 s S, CHIP 470 5% 1/10W

1-216-043-00 s S, CHIP 560 5% 1/10W
1-216-045-00 s S, CHIP 680 5% 1/10W
1-216-047-00 s S, CHIP 820 5% 1/10W
1-216-049-00 s S, CHIP 1k 5% 1/10W
1-216-051-00 s S, CHIP 1.2k 5% 1/10W

1-216-053-00 s S, CHIP 1.5k 5% 1/10W
1-216-055-00 s S, CHIP 1.8k 5% 1/10W
1-216-057-00 s S, CHIP 2.2k 5% 1/10W
1-216-059-00 s S, CHIP 2.7k 5% 1/10W
1-216-061-00 s S, CHIP 3.3k 5% 1/10W

1-216-063-00 s S, CHIP 3.9k 5% 1/10W
1-216-065-00 s S, CHIP 4.7k 5% 1/10W
1-216-067-00 s S, CHIP 5.6k 5% 1/10W
1-216-069-00 s S, CHIP 6.8k 5% 1/10W
1-216-071-00 s S, CHIP 8.2k 5% 1/10W

1-216-073-00 s S, CHIP 10k 5% 1/10W
1-216-075-00 s S, CHIP 12k 5% 1/10W
1-216-077-00 s S, CHIP 15k 5% 1/10W
1-216-079-00 s S, CHIP 18k 5% 1/10W
1-216-081-00 s S, CHIP 22k 5% 1/10W

1-216-083-00 s S, CHIP 27k 5% 1/10W
1-216-085-00 s S, CHIP 33k 5% 1/10W
1-216-087-00 s S, CHIP 39k 5% 1/10W
1-216-089-00 s S, CHIP 47k 5% 1/10W
1-216-091-00 s S, CHIP 56k 5% 1/10W

1-216-093-00 s S, CHIP 68k 5% 1/10W
1-216-095-00 s S, CHIP 82k 5% 1/10W
1-216-097-00 s S, CHIP 100k 5% 1/10W
1-216-099-00 s S, CHIP 120k 5% 1/10W
1-216-101-00 s S, CHIP 150k 5% 1/10W

(RESISTOR, CHIP)

Part No. SP Description

1-216-103-00 s S, CHIP 180k 5% 1/10W
1-216-105-00 s S, CHIP 220k 5% 1/10W
1-216-107-00 s S, CHIP 270k 5% 1/10W
1-216-109-00 s S, CHIP 330k 5% 1/10W
1-216-111-00 s S, CHIP 390k 5% 1/10W

1-216-113-00 s S, CHIP 470k 5% 1/10W
1-216-115-00 s S, CHIP 560k 5% 1/10W
1-216-117-00 s S, CHIP 680k 5% 1/10W
1-216-119-00 s S, CHIP 820k 5% 1/10W
1-216-121-00 s S, CHIP 1.0M 5% 1/10W

1-216-123-00 s S, CHIP 1.2M 5% 1/10W
1-216-125-00 s S, CHIP 1.5M 5% 1/10W
1-216-127-00 s S, CHIP 1.8M 5% 1/10W
1-216-129-00 s S, CHIP 2.2M 5% 1/10W
1-216-131-00 s S, CHIP 2.7M 5% 1/10W

1-216-133-00 s S, CHIP 3.3M 5% 1/10W

CAPACITOR, CHIP CERAMIC

Part No. SP Description

1-163-083-00 s P, CHIP CERAMIC 1pF +-0.25pF 50V
1-163-085-00 s P, CHIP CERAMIC 2pF +-0.25pF 50V
1-163-087-00 s P, CHIP CERAMIC 4pF +-0.25pF 50V
1-163-089-00 s P, CHIP CERAMIC 6pF +-0.5pF 50V
1-163-091-00 s P, CHIP CERAMIC 8pF +-0.5pF 50V

1-163-093-00 s P, CHIP CERAMIC 10pF 5% 50V
1-163-097-00 s P, CHIP CERAMIC 15pF 5% 50V
1-163-101-00 s P, CHIP CERAMIC 22pF 5% 50V
1-163-105-00 s P, CHIP CERAMIC 33pF 5% 50V
1-163-109-00 s P, CHIP CERAMIC 47pF 5% 50V

1-163-113-00 s P, CHIP CERAMIC 68pF 5% 50V
1-163-117-00 s P, CHIP CERAMIC 100pF 5% 50V
1-163-121-00 s P, CHIP CERAMIC 150pF 5% 50V
1-163-125-00 s P, CHIP CERAMIC 220pF 5% 50V
1-163-129-00 s P, CHIP CERAMIC 330pF 5% 50V

1-163-133-00 s P, CHIP CERAMIC 470pF 5% 50V
1-163-137-00 s P, CHIP CERAMIC 680pF 5% 50V
1-163-141-00 s P, CHIP CERAMIC 1000pF 5% 50V
1-163-145-00 s P, CHIP CERAMIC 1500pF 10% 50V
1-163-013-00 s P, CHIP CERAMIC 2200pF 10% 50V

1-163-015-00 s P, CHIP CERAMIC 3300pF 10% 50V
1-163-017-00 s P, CHIP CERAMIC 4700pF 10% 50V
1-163-019-00 s P, CHIP CERAMIC 6800pF 10% 50V
1-163-021-00 s P, CHIP CERAMIC 0.01 10% 50V
1-163-023-00 s P, CHIP CERAMIC 0.015 10% 50V

1-163-034-00 s P, CHIP CERAMIC 0.033 50V
1-163-035-00 s P, CHIP CERAMIC 0.047 50V
1-163-036-00 s P, CHIP CERAMIC 0.068 50V
1-163-038-00 s P, CHIP CERAMIC 0.1 50V

AT-88 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-023-A	o	MOUNTED CIRCUIT BOARD, AT-88
12pcs	1-533-223-11	s	HOLDER, FUSE
4pcs	3-741-748-01	o	PLATE, SHIELD, AT
1pc	3-681-037-01	o	PC BOARD PANEL AT
1pc	3-681-020-01	o	PC SHIELD PLATE
9pcs	7-682-903-11	s	SCREW +PWH 3X6
2pcs	3-681-042-01	o	LEVER, PC BOARD(1)
2pcs	3-681-045-01	o	LEVER, PC BOARD(2)
4pcs	7-626-320-11	s	PIN, SPRING 3X8
BT1001	1-528-229-11	o	BATTERY, LITHIUM CR-2450
C4	1-163-377-11	s	CERAMIC, CHIP 100PF 5% 50V
C5	1-163-367-11	s	CERAMIC, CHIP 39PF 5% 50V
C6	1-163-115-00	s	CERAMIC, CHIP 82PF 5% 50V
C7	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C9	1-163-253-11	s	CERAMIC 120PF 5% 50V
C10	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C20	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C24	1-163-111-00	s	CERAMIC, CHIP 56PF 5% 50V
C25	1-163-377-11	s	CERAMIC, CHIP 100PF 5% 50V
C26	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C30	1-163-989-11	s	CERAMIC, CHIP 0.033uF 10% 25V
C31	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C32	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C43	1-163-377-11	s	CERAMIC, CHIP 100PF 5% 50V
C45	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C49	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C50	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C63	1-163-377-11	s	CERAMIC, CHIP 100PF 5% 50V
C64	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C65	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C69	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C70	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C83	1-163-377-11	s	CERAMIC, CHIP 100PF 5% 50V
C84	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C85	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C89	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C90	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C103	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C108	1-163-241-11	s	CERAMIC, CHIP 39PF 5% 50V
C109	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C110	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C111	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C113	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C114	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
C116	1-163-263-11	s	CERAMIC, CHIP 330PF 5% 50V
C117	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C118	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C119	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C120	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C122	1-135-157-21	s	TANTAL 10uF 10% 6.3V
C123	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C124	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C127	1-163-022-00	s	CERAMIC, CHIP 0.012uF 10% 50V
C130	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C131	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C132	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C133	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C134	1-135-179-21	s	TANTAL 2.2uF 10% 16V

(AT-88 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C135	1-135-140-11	s	TANTAL 15uF 10% 20V
C136	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C137	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C138	1-128-391-11	s	ELECT 330uF 20% 6.3V
C203	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C206	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C210	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C212	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C213	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C214	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C215	1-128-391-11	s	ELECT 330uF 20% 6.3V
C216	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C217	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C219	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C220	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C221	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C224	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C225	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C303	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C306	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C310	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C312	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C313	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C314	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C315	1-128-391-11	s	ELECT 330uF 20% 6.3V
C316	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C317	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C319	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C320	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C321	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C324	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C325	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C403	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C406	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C410	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C412	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C413	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C414	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C415	1-128-391-11	s	ELECT 330uF 20% 6.3V
C416	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C417	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C419	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C420	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C421	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C422	1-163-011-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C503	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C506	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C510	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C512	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C513	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C514	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C515	1-128-391-11	s	ELECT 330uF 20% 6.3V
C516	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C517	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C519	1-163-131-00	s	CERAMIC, CHIP 390PF 5% 50V
C520	1-164-695-11	s	CERAMIC 0.0022uF 5% 50V
C521	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C522	1-163-011-11	s	CERAMIC, CHIP 0.0015uF 10% 50V
C603	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(AT-88 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1014	1-126-395-11	s	ELECT 22uF 20% 16V
C1015	1-126-395-11	s	ELECT 22uF 20% 16V
C1021	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1023	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1050	1-135-157-21	s	TANTAL 10uF 10% 6.3V
C1051	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1054	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1055	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1060	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1061	1-135-157-21	s	TANTAL 10uF 10% 6.3V
C1065	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1066	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1067	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1068	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1069	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C1070	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C1071	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1072	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1073	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1074	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1075	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1076	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1077	1-163-104-00	s	CERAMIC, CHIP 30PF 5% 50V
C1118	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1124	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1125	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1128	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1129	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1132	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C1133	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C1134	1-163-229-11	s	CERAMIC 12PF 5% 50V
C1135	1-163-229-11	s	CERAMIC 12PF 5% 50V
C1201	1-163-127-00	s	CERAMIC, CHIP 270PF 5% 50V
C2001	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2003	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2006	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2007	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2031	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2032	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2060	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2061	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2062	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C2063	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2081	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2083	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2086	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2087	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2121	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2123	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2126	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2127	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2151	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2152	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2211	1-123-566-00	s	ELECT 2200uF 20% 16V
C2212	1-123-566-00	s	ELECT 2200uF 20% 16V
C2213	1-126-395-11	s	ELECT 22uF 20% 16V
C2214	1-126-395-11	s	ELECT 22uF 20% 16V
C2215	1-126-395-11	s	ELECT 22uF 20% 16V
C2216	1-126-395-11	s	ELECT 22uF 20% 16V

(AT-88 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2217	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C2218	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C2241	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C2242	1-128-397-21	s	ELECT 100uF 20% 16V
C2243	1-128-397-21	s	ELECT 100uF 20% 16V
C2244	1-126-395-11	s	ELECT 22uF 20% 16V
C2245	1-126-395-11	s	ELECT 22uF 20% 16V
C2252	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C2253	1-128-397-21	s	ELECT 100uF 20% 16V
C2254	1-128-397-21	s	ELECT 100uF 20% 16V
C2271	1-128-397-21	s	ELECT 100uF 20% 16V
C2272	1-128-397-21	s	ELECT 100uF 20% 16V
C2273	1-128-397-21	s	ELECT 100uF 20% 16V
C2274	1-128-397-21	s	ELECT 100uF 20% 16V
C2275	1-126-395-11	s	ELECT 22uF 20% 16V
C2276	1-126-395-11	s	ELECT 22uF 20% 16V
C2301	1-126-395-11	s	ELECT 22uF 20% 16V
C2302	1-126-395-11	s	ELECT 22uF 20% 16V
C2341	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2342	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2343	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2344	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2381	1-126-395-11	s	ELECT 22uF 20% 16V
C2382	1-126-395-11	s	ELECT 22uF 20% 16V
C2383	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C2384	1-128-397-21	s	ELECT 100uF 20% 16V
C2385	1-128-397-21	s	ELECT 100uF 20% 16V
C2386	1-128-397-21	s	ELECT 100uF 20% 16V
C2387	1-128-397-21	s	ELECT 100uF 20% 16V
C2388	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2389	1-126-390-11	s	ELECT, CHIP 22uF 20% 6.3V
C2451	1-123-566-00	s	ELECT 2200uF 20% 16V
C2452	1-123-566-00	s	ELECT 2200uF 20% 16V
C2453	1-126-395-11	s	ELECT 22uF 20% 16V
C2454	1-126-395-11	s	ELECT 22uF 20% 16V
C2455	1-126-395-11	s	ELECT 22uF 20% 16V
C2456	1-126-395-11	s	ELECT 22uF 20% 16V
C2457	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C2458	1-135-165-11	s	TANTALUM, CHIP 33uF 10% 16V
C2541	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C2542	1-128-397-21	s	ELECT 100uF 20% 16V
C2543	1-128-397-21	s	ELECT 100uF 20% 16V
C2544	1-126-395-11	s	ELECT 22uF 20% 16V
C2545	1-126-395-11	s	ELECT 22uF 20% 16V
C2546	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C2547	1-128-397-21	s	ELECT 100uF 20% 16V
C2548	1-128-397-21	s	ELECT 100uF 20% 16V
C2581	1-128-397-21	s	ELECT 100uF 20% 16V
C2582	1-128-397-21	s	ELECT 100uF 20% 16V
C2583	1-128-397-21	s	ELECT 100uF 20% 16V
C2584	1-128-397-21	s	ELECT 100uF 20% 16V
C2585	1-126-395-11	s	ELECT 22uF 20% 16V
C2586	1-126-395-11	s	ELECT 22uF 20% 16V
C2701	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2702	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2703	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2704	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2705	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2706	1-126-391-11	s	ELECT 47uF 20% 6.3V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(AT-88 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2707	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2708	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2709	1-135-125-21	s	TANTAL 33uF 20% 10V
C2710	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2711	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2712	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2713	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2714	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2751	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2752	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2753	1-135-125-21	s	TANTAL 33uF 20% 10V
C2755	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2791	1-163-033-00	s	CERAMIC, CHIP 0.022uF 50V
C2792	1-163-033-00	s	CERAMIC, CHIP 0.022uF 50V
C2821	1-163-033-00	s	CERAMIC, CHIP 0.022uF 50V
C2822	1-163-033-00	s	CERAMIC, CHIP 0.022uF 50V
C2829	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2830	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C2831	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
C2832	1-164-182-11	s	CERAMIC, CHIP 0.0033uF 10% 100V
C2833	1-164-182-11	s	CERAMIC, CHIP 0.0033uF 10% 100V
C2840	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2841	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C2842	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C2843	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
CF41	1-760-443-11	s	FILTER, CERAMIC 3.600MHz
CF61	1-760-444-11	s	FILTER, CERAMIC 3.900MHz
CF81	1-760-445-11	s	FILTER, CERAMIC 4.300MHz
CF101	1-760-446-11	s	FILTER, CERAMIC 5.600MHz
CF102	1-760-446-11	s	FILTER, CERAMIC 5.600MHz
CF201	1-760-447-11	s	FILTER, CERAMIC 6.200MHz
CF202	1-760-447-11	s	FILTER, CERAMIC 6.200MHz
CF301	1-578-067-11	s	FILTER, CERAMIC 6.700MHz
CF302	1-578-067-11	s	FILTER, CERAMIC 6.700MHz
CF401	1-578-068-12	s	FILTER, CERAMIC 7.100MHz
CF402	1-578-068-12	s	FILTER, CERAMIC 7.100MHz
CF501	1-578-069-11	s	FILTER, CERAMIC 7.400MHz
CF502	1-578-069-11	s	FILTER, CERAMIC 7.400MHz
CN1	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CN2	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CP1001	1-760-437-11	s	VCO, CRYSTAL 18.00MHz
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-041-39	s	DIODE KV1470
D21	8-719-800-76	s	DIODE 1SS226
D22	8-719-041-39	s	DIODE KV1470
D23	8-719-800-76	s	DIODE 1SS226
D41	8-719-800-76	s	DIODE 1SS226
D42	8-719-041-39	s	DIODE KV1470
D43	8-719-800-76	s	DIODE 1SS226
D61	8-719-800-76	s	DIODE 1SS226
D62	8-719-041-39	s	DIODE KV1470
D63	8-719-800-76	s	DIODE 1SS226
D81	8-719-800-76	s	DIODE 1SS226
D82	8-719-041-39	s	DIODE KV1470
D83	8-719-800-76	s	DIODE 1SS226
D201	8-719-157-23	s	DIODE RD4.7M-B
D202	8-719-104-34	s	DIODE 1S2836

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Ref. No. or Q'ty	Part No.	SP	Description
D301	8-719-157-23	s	DIODE RD4.7M-B
D601	8-719-911-19	s	DIODE 1SS119
D602	8-719-911-19	s	DIODE 1SS119
D1001	8-719-948-47	s	DIODE HSM88AS
D1002	8-719-947-01	s	DIODE FMP1
D1003	8-719-947-01	s	DIODE FMP1
D1004	8-719-947-01	s	DIODE FMP1
D1005	8-719-947-01	s	DIODE FMP1
D2001	8-719-159-85	s	DIODE RD2.0M-B
D2002	8-719-159-85	s	DIODE RD2.0M-B
D2061	8-719-801-78	s	DIODE 1SS184
D2062	8-719-801-78	s	DIODE 1SS184
D2063	8-719-800-76	s	DIODE 1SS226
D2064	8-719-801-78	s	DIODE 1SS184
D2065	8-719-801-78	s	DIODE 1SS184
D2066	8-719-801-78	s	DIODE 1SS184
D2067	8-719-104-34	s	DIODE 1S2836
D2081	8-719-159-85	s	DIODE RD2.0M-B
D2082	8-719-159-85	s	DIODE RD2.0M-B
D2121	8-719-159-85	s	DIODE RD2.0M-B
D2122	8-719-159-85	s	DIODE RD2.0M-B
D2181	8-719-159-85	s	DIODE RD2.0M-B
D2182	8-719-159-85	s	DIODE RD2.0M-B
D2301	8-719-801-78	s	DIODE 1SS184
D2302	8-719-801-78	s	DIODE 1SS184
D2303	8-719-104-34	s	DIODE 1S2836
D2305	8-719-801-78	s	DIODE 1SS184
D2306	8-719-159-85	s	DIODE RD2.0M-B
D2307	8-719-159-85	s	DIODE RD2.0M-B
D2421	8-719-159-85	s	DIODE RD2.0M-B
D2422	8-719-159-85	s	DIODE RD2.0M-B
D2701	8-719-974-41	s	DIODE HLMP-6500-010
D2702	8-719-974-41	s	DIODE HLMP-6500-010
D2703	8-719-974-41	s	DIODE HLMP-6500-010
D2704	8-719-974-41	s	DIODE HLMP-6500-010
D2705	8-719-157-23	s	DIODE RD4.7M-B
D2706	8-719-157-23	s	DIODE RD4.7M-B
D2707	8-759-274-67	s	IC LM4040BIM3X-5.0
D2708	8-719-106-53	s	DIODE RD10M-B2
D2709	8-719-106-53	s	DIODE RD10M-B2
D2751	8-719-157-23	s	DIODE RD4.7M-B
D2791	8-719-104-34	s	DIODE 1S2836
D2792	8-719-801-78	s	DIODE 1SS184
D2793	8-719-021-31	s	DIODE UZM5.1B
D2821	8-719-104-34	s	DIODE 1S2836
D2822	8-719-801-78	s	DIODE 1SS184
D2823	8-719-021-31	s	DIODE UZM5.1B
D2830	8-719-801-78	s	DIODE 1SS184
D2831	8-719-104-34	s	DIODE 1S2836
D2833	8-719-104-34	s	DIODE 1S2836
D2840	8-719-801-78	s	DIODE 1SS184
D2841	8-719-159-85	s	DIODE RD2.0M-B
E1	3-673-772-01	s	TERMINAL, TP
E2	3-673-772-01	s	TERMINAL, TP
E10	3-673-772-01	s	TERMINAL, TP
E11	3-673-772-01	s	TERMINAL, TP
E12	3-673-772-01	s	TERMINAL, TP
E20	3-673-772-01	s	TERMINAL, TP

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
E1000	3-673-772-01	s	TERMINAL, TP
F1	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F2	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F3	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F4	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F5	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F6	⚠ 1-576-225-41	s	FUSE (H.B.C.)
FL1	1-239-940-11	s	FILTER, BAND PASS 2.5MHz
FL21	1-239-941-11	s	FILTER, BAND PASS 3.0MHz
FL601	1-417-189-11	s	SEPARATOR
IC101	8-759-271-14	s	IC TA8129Z
IC102	8-759-906-53	s	IC TL062CPS
IC103	8-759-085-67	s	IC LM339NS
IC104	8-759-906-53	s	IC TL062CPS
IC105	8-759-710-52	s	IC NJM567M
IC201	8-759-812-35	s	IC LA1235
IC202	8-759-369-73	s	IC NJM4556AM
IC301	8-759-812-35	s	IC LA1235
IC302	8-759-369-73	s	IC NJM4556AM
IC401	8-759-812-35	s	IC LA1235
IC402	8-759-906-53	s	IC TL062CPS
IC501	8-759-812-35	s	IC LA1235
IC502	8-759-906-53	s	IC TL062CPS
IC600	8-759-054-61	s	IC CLC505AJE
IC1001	8-759-637-07	s	IC M62021FP
IC1002	8-759-388-16	o	IC HD6435328RE49F
IC1003	8-759-285-08	s	IC CXD8344AQ
IC1004	8-759-463-61	o	IC 27C010A-CCU700A-V2.30
IC1005	8-759-299-40	s	IC AM28F010-120EC
IC1006	8-752-373-04	s	IC CXK581000ATM-10LL
IC1007	8-759-720-87	s	IC HN58C257T
IC1008	8-759-720-87	s	IC HN58C257T
IC1009	8-759-064-65	s	IC TMP82C265BF-2
IC1010	8-759-285-09	s	IC CXD8892Q
IC1011	8-759-277-99	s	IC CXD8889R
IC1012	8-759-277-99	s	IC CXD8889R
IC1013	8-759-277-99	s	IC CXD8889R
IC1017	8-759-926-07	s	IC SN74HC132ANS
IC1018	8-759-092-81	s	IC SN75158PS
IC1019	8-759-925-85	s	IC SN74HC32ANS
IC1020	8-759-031-84	s	IC SC7S04F
IC1022	8-759-031-84	s	IC SC7S04F
IC1024	8-759-037-79	s	IC SN74HC163ANS
IC1025	8-759-031-84	s	IC SC7S04F
IC1026	8-759-234-20	s	IC TC7S08F
IC1027	8-759-242-76	s	IC TC7W08F
IC1028	8-759-035-93	s	IC TC7S32F
IC1034	8-759-149-05	s	IC UPD71051GB-10-3B4
IC1035	8-759-521-07	s	IC MAX238CWG
IC1036	8-759-242-74	s	IC TC7W04F
IC1037	8-759-926-98	s	IC SN74HC4040ANS
IC1038	8-759-238-51	s	IC TC74HC4051AF(EL)
IC1039	8-759-916-23	s	IC SN74HC27AN
IC1043	8-759-242-74	s	IC TC7W04F
IC1044	8-759-234-20	s	IC TC7S08F
IC1045	8-759-996-82	s	IC MSM82C55A-2GS
IC1046	8-759-031-84	s	IC SC7S04F

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Ref. No. or Q'ty	Part No.	SP	Description
IC1047	8-759-242-78	s	IC TC7W02F
IC1048	8-759-234-20	s	IC TC7S08F
IC1109	8-759-285-08	s	IC CXD8344AQ
IC1110	8-759-009-02	s	IC MC14046BF
IC1111	8-759-242-74	s	IC TC7W04F
IC1112	8-759-242-74	s	IC TC7W04F
IC1113	8-759-078-75	s	IC UPD6453GT-610
IC1114	8-759-078-75	s	IC UPD6453GT-610
IC1200	8-759-008-88	s	IC MC14020BF
IC1201	8-759-009-82	s	IC MC14011BF-T2
IC1202	8-759-008-74	s	IC MC14001BF
IC1203	8-759-239-58	s	IC TC74HC221AF
IC2001	8-759-100-96	s	IC UPC4558G2
IC2002	8-759-300-71	s	IC MC14053BF
IC2003	8-759-300-71	s	IC MC14053BF
IC2004	8-759-100-96	s	IC UPC4558G2
IC2005	8-759-100-96	s	IC UPC4558G2
IC2006	8-759-209-57	s	IC TC4S69F
IC2061	8-759-009-51	s	IC MC14538BF
IC2062	8-759-234-13	s	IC TC4S30F
IC2063	8-759-009-82	s	IC MC14011BF-T2
IC2064	8-759-009-82	s	IC MC14011BF-T2
IC2065	8-759-009-82	s	IC MC14011BF-T2
IC2066	8-759-234-13	s	IC TC4S30F
IC2068	8-759-300-71	s	IC MC14053BF
IC2069	8-759-234-13	s	IC TC4S30F
IC2081	8-759-100-96	s	IC UPC4558G2
IC2082	8-759-100-96	s	IC UPC4558G2
IC2121	8-759-100-96	s	IC UPC4558G2
IC2122	8-759-300-71	s	IC MC14053BF
IC2141	8-759-300-71	s	IC MC14053BF
IC2142	8-759-100-96	s	IC UPC4558G2
IC2143	8-759-100-96	s	IC UPC4558G2
IC2181	8-759-100-96	s	IC UPC4558G2
IC2182	8-759-300-71	s	IC MC14053BF
IC2211	8-759-100-96	s	IC UPC4558G2
IC2212	8-759-369-73	s	IC NJM4556AM
IC2241	8-759-100-96	s	IC UPC4558G2
IC2242	8-759-369-73	s	IC NJM4556AM
IC2271	8-759-369-73	s	IC NJM4556AM
IC2301	8-759-300-71	s	IC MC14053BF
IC2302	8-759-300-71	s	IC MC14053BF
IC2303	8-759-700-09	s	IC NJM2043M-D
IC2342	8-759-300-71	s	IC MC14053BF
IC2343	8-759-100-96	s	IC UPC4558G2
IC2381	8-759-100-96	s	IC UPC4558G2
IC2382	8-759-369-73	s	IC NJM4556AM
IC2421	8-759-100-96	s	IC UPC4558G2
IC2422	8-759-300-71	s	IC MC14053BF
IC2451	8-759-100-96	s	IC UPC4558G2
IC2452	8-759-369-73	s	IC NJM4556AM
IC2491	8-759-100-96	s	IC UPC4558G2
IC2492	8-759-369-73	s	IC NJM4556AM
IC2521	8-759-369-73	s	IC NJM4556AM
IC2701	8-759-906-53	s	IC TL062CPS
IC2702	8-759-906-53	s	IC TL062CPS
IC2751	8-759-906-53	s	IC TL062CPS
IC2810	8-759-234-13	s	IC TC4S30F
IC2830	8-759-711-58	s	IC NJM78L05UA

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
IC2840	8-759-009-82	s	IC MC14011BF-T2
IS1004	1-526-660-21	s	SOCKET, IC (DP) 32P
L1	1-408-777-00	s	INDUCTOR CHIP 10uH
L21	1-408-777-00	s	INDUCTOR CHIP 10uH
L41	1-408-777-00	s	INDUCTOR CHIP 10uH
L71	1-408-777-00	s	INDUCTOR CHIP 10uH
L81	1-408-777-00	s	INDUCTOR CHIP 10uH
L101	1-408-777-00	s	INDUCTOR CHIP 10uH
L102	1-408-777-00	s	INDUCTOR CHIP 10uH
L103	1-410-145-11	s	MICRO INDUCTOR 18uH
L201	1-408-777-00	s	INDUCTOR CHIP 10uH
L202	1-408-777-00	s	INDUCTOR CHIP 10uH
L203	1-410-148-11	s	MICRO INDUCTOR 33uH
L204	1-410-144-11	s	MICRO INDUCTOR 15uH
L301	1-408-777-00	s	INDUCTOR CHIP 10uH
L302	1-408-777-00	s	INDUCTOR CHIP 10uH
L303	1-410-148-11	s	MICRO INDUCTOR 33uH
L304	1-410-143-11	s	MICRO INDUCTOR 12uH
L401	1-408-777-00	s	INDUCTOR CHIP 10uH
L402	1-408-777-00	s	INDUCTOR CHIP 10uH
L403	1-410-148-11	s	MICRO INDUCTOR 33uH
L404	1-410-142-11	s	MICRO INDUCTOR 10uH
L501	1-408-777-00	s	INDUCTOR CHIP 10uH
L502	1-408-777-00	s	INDUCTOR CHIP 10uH
L503	1-410-148-11	s	MICRO INDUCTOR 33uH
L504	1-410-142-11	s	MICRO INDUCTOR 10uH
L601	1-408-777-00	s	INDUCTOR CHIP 10uH
L602	1-408-777-00	s	INDUCTOR CHIP 10uH
L1001	1-412-032-11	s	INDUCTOR CHIP 100uH
L1002	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1003	1-408-781-00	s	INDUCTOR CHIP 22uH
L1102	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1103	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1104	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1105	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1106	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1107	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1108	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1109	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1110	1-408-781-00	s	INDUCTOR CHIP 22uH
L1111	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1112	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1113	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1114	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1115	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1116	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1117	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1118	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1119	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1120	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1121	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1122	1-408-784-11	s	INDUCTOR CHIP 39uH
L1123	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1124	1-408-784-11	s	INDUCTOR CHIP 39uH
L1125	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1126	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1127	1-410-988-11	s	INDUCTOR CHIP 0.39uH

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Ref. No. or Q'ty	Part No.	SP	Description
L1128	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1129	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1130	1-410-988-11	s	INDUCTOR CHIP 0.39uH
L1131	1-408-782-11	s	INDUCTOR CHIP 27uH
L1132	1-408-782-11	s	INDUCTOR CHIP 27uH
L2001	1-408-781-00	s	INDUCTOR CHIP 22uH
L2002	1-408-781-00	s	INDUCTOR CHIP 22uH
L2003	1-408-781-00	s	INDUCTOR CHIP 22uH
L2081	1-408-781-00	s	INDUCTOR CHIP 22uH
L2082	1-408-781-00	s	INDUCTOR CHIP 22uH
L2121	1-408-781-00	s	INDUCTOR CHIP 22uH
L2122	1-408-781-00	s	INDUCTOR CHIP 22uH
L2181	1-408-781-00	s	INDUCTOR CHIP 22uH
L2182	1-408-781-00	s	INDUCTOR CHIP 22uH
L2301	1-408-781-00	s	INDUCTOR CHIP 22uH
L2302	1-408-781-00	s	INDUCTOR CHIP 22uH
L2421	1-408-781-00	s	INDUCTOR CHIP 22uH
L2422	1-408-781-00	s	INDUCTOR CHIP 22uH
L2701	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2702	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2703	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2704	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2751	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2792	1-408-781-00	s	INDUCTOR CHIP 22uH
L2793	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2840	1-408-781-00	s	INDUCTOR CHIP 22uH
L2841	1-408-781-00	s	INDUCTOR CHIP 22uH
LV1	1-459-890-11	s	COIL, VARIABLE
LV21	1-459-890-11	s	COIL, VARIABLE
LV41	1-459-890-11	s	COIL, VARIABLE
LV61	1-459-889-11	s	COIL, VARIABLE
LV81	1-459-889-11	s	COIL, VARIABLE
LV101	1-459-890-11	s	COIL, VARIABLE
PH1049	8-749-924-62	s	PNOTO COUPLER PC410
PH1050	8-749-924-62	s	PNOTO COUPLER PC410
PH1051	8-749-924-62	s	PNOTO COUPLER PC410
PH1052	8-749-924-62	s	PNOTO COUPLER PC410
PH2791	8-749-010-24	s	PHOTO CUPPLER PS2604L
PH2821	8-749-010-24	s	PHOTO CUPPLER PS2604L
Q1	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q21	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q41	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q42	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q61	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q62	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q81	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q82	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q101	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q102	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q103	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q104	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q105	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q201	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q202	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q203	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
Q204	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q301	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q302	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q303	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q304	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q401	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q402	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q403	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q501	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q502	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q503	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1001	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1002	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1003	8-729-101-07	s	TRANSISTOR 2SB798
Q1004	8-729-920-34	s	TRANSISTOR DTC143XK
Q1010	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1012	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1103	8-729-216-22	s	TRANSISTOR 2SA1162
Q1104	8-729-216-22	s	TRANSISTOR 2SA1162
Q2211	8-729-216-22	s	TRANSISTOR 2SA1162
Q2212	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2213	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2241	8-729-216-22	s	TRANSISTOR 2SA1162
Q2242	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2243	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2271	8-729-216-22	s	TRANSISTOR 2SA1162
Q2272	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2273	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2421	8-729-216-22	s	TRANSISTOR 2SA1162
Q2422	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2423	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2424	8-729-216-22	s	TRANSISTOR 2SA1162
Q2425	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2426	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2521	8-729-216-22	s	TRANSISTOR 2SA1162
Q2522	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2523	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2701	8-729-101-07	s	TRANSISTOR 2SB798
Q2702	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q2703	8-729-101-07	s	TRANSISTOR 2SB798
Q2704	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q2751	8-729-101-07	s	TRANSISTOR 2SB798
Q2791	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2821	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2830	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q2831	8-729-141-75	s	TRANSISTOR 2SD596DV345
Q2840	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2841	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2842	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R1	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R3	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R4	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R5	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R6	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R7	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R8	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R9	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R10	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R11	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R12	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R13	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R21	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R22	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R23	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R24	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R25	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R26	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R27	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R28	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R29	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R30	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R31	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R32	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R33	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R34	1-216-656-11	s	METAL 1.6K 0.50% 1/10W
R35	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R41	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R42	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R43	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R44	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R45	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R46	1-216-662-11	s	METAL 3K 0.50% 1/10W
R47	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R48	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R49	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R50	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R51	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R52	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R53	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R54	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R55	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R61	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R62	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R63	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R64	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R65	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R66	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R67	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R68	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R69	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R70	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R71	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R72	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R73	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R74	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R75	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R81	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R82	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R83	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R84	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R85	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R86	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R87	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R88	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R89	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R90	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R91	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R92	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R93	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R94	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R95	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R101	1-216-646-11	s	METAL, CHIP 620 0.5% 1/10W
R102	1-216-646-11	s	METAL, CHIP 620 0.5% 1/10W
R103	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R104	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R105	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R106	1-216-646-11	s	METAL, CHIP 620 0.5% 1/10W
R107	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R108	1-216-646-11	s	METAL, CHIP 620 0.5% 1/10W
R109	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R111	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R112	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R113	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R114	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R115	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R116	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R117	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R118	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R119	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R120	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R121	1-218-761-11	s	METAL 240K 0.50% 1/10W
R123	1-216-688-11	s	METAL, CHIP 36K 0.50% 1/10W
R124	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R125	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R126	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R127	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R128	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R129	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R130	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R131	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R132	1-216-696-11	s	METAL 75K 0.50% 1/10W
R133	1-216-696-11	s	METAL 75K 0.50% 1/10W
R134	1-216-696-11	s	METAL 75K 0.50% 1/10W
R135	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R136	1-218-762-11	s	METAL, CHIP 270K 0.50% 1/10W
R137	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R138	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R139	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R140	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R141	1-218-768-11	s	METAL 470K 0.50% 1/10W
R201	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R202	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R203	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R204	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R205	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R206	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R207	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R208	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R209	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R210	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R211	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R212	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R213	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R214	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R215	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R216	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R217	1-218-758-11	s	METAL, CHIP 180K 0.50% 1/10W
R218	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R219	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R220	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R221	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R222	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R223	1-218-754-11	s	METAL 120K 0.50% 1/10W
R224	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R225	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R226	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R227	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R228	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R229	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R230	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R231	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R301	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R302	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R303	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R304	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R305	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R306	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R307	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R308	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R309	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R310	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R311	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R312	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R313	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R314	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R315	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R316	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R317	1-218-758-11	s	METAL, CHIP 180K 0.50% 1/10W
R318	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R319	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R320	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R321	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R322	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R323	1-218-754-11	s	METAL 120K 0.50% 1/10W
R324	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R325	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R326	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R327	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R328	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R329	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R330	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R331	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R401	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R402	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R403	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R404	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R405	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R406	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R407	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R408	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R409	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R410	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R411	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R412	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R413	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R414	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R415	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R416	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R417	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R418	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R419	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R420	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R421	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R501	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R502	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R503	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R504	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R505	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R506	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R507	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R508	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R509	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R510	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R511	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R512	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R513	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R514	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R515	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R516	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R517	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R518	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R519	1-216-695-11	s	METAL, CHIP 68K 0.50% 1/10W
R520	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R521	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R601	1-247-804-11	s	CARBON 75 5% 1/4W
R602	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R603	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R604	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R605	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R1003	1-216-017-91	s	METAL, CHIP 47 5% 1/10W
R1024	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1033	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1034	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1040	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1041	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1051	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R1052	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1056	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1057	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1058	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R1059	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1060	1-216-017-91	s	METAL, CHIP 47 5% 1/10W
R1061	1-216-017-91	s	METAL, CHIP 47 5% 1/10W
R1063	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1064	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1065	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R1066	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1117	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1119	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1120	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1121	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1122	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R1124	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1125	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R1126	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R1127	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1128	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R1200	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2002	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2005	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2006	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2008	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2010	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2011	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2031	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2032	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2034	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2037	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2038	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2040	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2041	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2042	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2061	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2062	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2063	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2065	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2071	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2072	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2073	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2075	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2076	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2077	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2078	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2079	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2083	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2084	1-216-676-11	s	METAL, CHIP 11K 0.50% 1/10W
R2085	1-216-676-11	s	METAL, CHIP 11K 0.50% 1/10W
R2086	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2087	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R2089	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R2091	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2093	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2096	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2099	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2104	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2121	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2125	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2126	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2128	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2130	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2131	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2151	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2152	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2154	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2157	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2158	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2160	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2161	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2162	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2164	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2181	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2182	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2183	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R2184	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2185	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2186	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2187	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2188	1-218-753-11	s	METAL 110K 0.50% 1/10W
R2189	1-218-753-11	s	METAL 110K 0.50% 1/10W
R2190	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2191	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2192	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2193	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2211	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2212	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2213	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R2214	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R2215	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2216	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2217	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R2218	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2219	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2220	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2221	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2222	1-216-613-11	s	METAL, CHIP 27 0.5% 1/10W
R2223	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2224	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R2225	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R2227	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2228	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2229	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2230	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2231	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2232	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2233	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2234	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2235	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2236	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2237	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2238	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2239	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2241	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2242	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2243	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R2244	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R2245	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2246	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R2247	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2248	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2249	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2250	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2251	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2252	1-216-610-11	s	METAL 20 0.50% 1/10W
R2253	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2254	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2256	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R2257	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2258	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R2265	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2266	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2267	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2268	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2269	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2270	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2271	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2272	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2273	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2274	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R2275	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R2276	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2277	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2278	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2279	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2280	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2301	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2302	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2307	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R2319	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2320	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2341	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2344	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2345	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2346	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2347	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2348	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2351	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2352	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2354	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2355	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2359	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2381	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R2382	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R2389	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2392	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2394	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2397	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2398	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2491	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2492	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2493	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2494	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2495	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2496	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2497	1-218-753-11	s	METAL 110K 0.50% 1/10W
R2498	1-218-753-11	s	METAL 110K 0.50% 1/10W
R2499	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2500	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2501	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2502	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2523	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2524	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2525	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R2526	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R2527	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2528	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2529	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R2530	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2531	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2532	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2533	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2534	1-216-613-11	s	METAL, CHIP 27 0.5% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R2535	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2536	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R2537	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R2539	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2540	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2541	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2542	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2543	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R2544	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R2546	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R2547	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2548	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R2549	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2550	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2551	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2552	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2553	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2554	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2555	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R2557	1-216-610-11	s	METAL 20 0.50% 1/10W
R2558	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2559	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2560	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2561	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2562	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2563	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2564	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2581	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2582	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2583	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2584	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R2585	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R2586	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2587	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2588	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2589	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2590	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2591	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2592	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2593	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2594	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2595	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2596	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2597	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2598	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2599	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2600	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2601	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2661	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2662	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2663	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2664	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2665	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2666	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2667	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2668	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2669	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2670	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2671	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R2672	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2706	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2707	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2711	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2712	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2713	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R2714	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R2715	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2716	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R2717	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2723	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2724	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2751	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2752	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2753	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2754	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2795	1-216-089-91	s	METAL 47K 5% 1/10W
R2798	1-216-089-91	s	METAL 47K 5% 1/10W
R2825	1-216-089-91	s	METAL 47K 5% 1/10W
R2828	1-216-089-91	s	METAL 47K 5% 1/10W
R2850	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
RB1000	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB1001	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1002	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB1003	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1004	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB1005	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB1006	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB1007	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1008	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1009	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1010	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1011	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1012	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1013	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1014	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1015	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1016	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1017	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1018	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB1019	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB1020	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1021	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB1022	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB1023	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB1024	1-239-416-11	s	RESISTOR BLOCK, CHIP 220X4
RB1025	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1026	1-239-389-11	s	RESISTOR BLOCK, CHIP 47KX4
RB1027	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1028	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1029	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB1030	1-239-309-11	s	RESISTOR BLOCK, CHIP 100KX8
RB1031	1-236-907-11	s	RESISTOR BLOCK, CHIP 100KX4
RB1032	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1033	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1034	1-239-308-11	s	RESISTOR BLOCK, CHIP 47KX8
RB1035	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4
RB1036	1-236-904-11	s	RESISTOR BLOCK, CHIP 1KX4

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(AT-88 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RV41	1-228-459-00	s	RES, ADJ, METAL 10K
RV61	1-228-459-00	s	RES, ADJ, METAL 10K
RV81	1-228-459-00	s	RES, ADJ, METAL 10K
RV101	1-228-462-00	s	RES, ADJ, METAL 100K
RV201	1-228-460-00	s	RES, ADJ, METAL 20K
RV301	1-228-460-00	s	RES, ADJ, METAL 20K
RV401	1-228-459-00	s	RES, ADJ, METAL 10K
RV501	1-228-459-00	s	RES, ADJ, METAL 10K
RV2211	1-228-476-00	s	RES, ADJ, METAL 50K
RV2212	1-228-474-00	s	RES, ADJ, METAL 10K
RV2241	1-228-474-00	s	RES, ADJ, METAL 10K
RV2301	1-228-460-00	s	RES, ADJ, METAL 20K
RV2310	1-228-463-00	s	RES, ADJ, METAL 200K
RV2341	1-228-474-00	s	RES, ADJ, METAL 10K
RV2342	1-228-474-00	s	RES, ADJ, METAL 10K
RV2451	1-228-476-00	s	RES, ADJ, METAL 50K
RV2452	1-228-474-00	s	RES, ADJ, METAL 10K
RV2491	1-228-474-00	s	RES, ADJ, METAL 10K
S201	1-570-857-11	s	SWITCH, SLIDE
S301	1-570-857-11	s	SWITCH, SLIDE
S1001	1-692-271-21	s	SWITCH, SLIDE
S1002	1-692-271-21	s	SWITCH, SLIDE
S1003	1-762-117-11	s	SWITCH, ROTARY
S1004	1-762-117-11	s	SWITCH, ROTARY
S1005	1-570-610-11	s	SWITCH, TOGGLE
S1006	1-572-972-21	s	SWITCH, CHIP
S1007	1-572-972-21	s	SWITCH, CHIP
S2061	1-570-857-11	s	SWITCH, SLIDE
S2062	1-570-611-11	s	SWITCH, TOGGLE
S2081	1-570-839-11	s	SWITCH, SLIDE
S2082	1-570-857-11	s	SWITCH, SLIDE
S2241	1-570-832-11	s	SWITCH, SLIDE
S2301	1-570-612-11	s	SWITCH, TOGGLE
S2341	1-570-857-11	s	SWITCH, SLIDE
S2491	1-570-832-11	s	SWITCH, SLIDE
S2791	1-570-839-11	s	SWITCH, SLIDE
S2792	1-570-857-11	s	SWITCH, SLIDE
S2821	1-570-839-11	s	SWITCH, SLIDE
S2822	1-570-857-11	s	SWITCH, SLIDE
T201	1-426-472-11	s	COIL, FM RECOVER
T301	1-426-473-11	s	COIL, FM RECOVER
T401	1-426-474-11	s	COIL, FM RECOVER
T501	1-426-475-11	s	COIL, FM RECOVER
T2830	1-426-994-11	s	TRANSFORMER, DC-DC CONVERTER
X1002	1-579-539-11	s	VIBRATOR, CRYSTAL

AU-209 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8272-884-A	o	MOUNTED CIRCUIT BOARD, AU-209
C501	1-126-933-11	s	ELECT 100uF 20% 16V
C503	1-135-152-21	s	TANTALUM, CHIP 1.5uF 10% 25V
C504	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C505	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C506	1-135-152-21	s	TANTALUM, CHIP 1.5uF 10% 25V
C507	1-135-152-21	s	TANTALUM, CHIP 1.5uF 10% 25V
C508	1-126-933-11	s	ELECT 100uF 20% 16V
J16	1-580-561-11	o	PIN, CONNECTOR 12P
J17	1-564-721-11	s	PIN, CONNECTOR (SMALL TYPE) 5P
Q501	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R501	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R502	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R503	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R504	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R505	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R506	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R507	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R508	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R509	1-216-607-11	s	METAL, CHIP 15 0.50% 1/10W
R510	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R511	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R512	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R513	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R514	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R515	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R516	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
RV501	1-241-874-11	s	RES, VAR, CARBON 10K
RY501	1-515-519-00	s	RELAY
S4	1-570-911-11	s	SWITCH, TOGGLE
U501	8-759-981-58	s	IC RC2043MD

CN-1013 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-589-838-11	o	MOUNTED CIRCUIT BOARD, CN-1013

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

CN-1014 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-028-A	o	MOUNTED CIRCUIT BOARD, CN-1014
4pcs	3-673-910-00	o	SCREW, CONNECTOR
CN1	1-563-891-21	s	CONNECTOR, D-SUB 25P
CN2	1-563-826-21	s	CONNECTOR, D-SUB 15P
CN3	1-506-475-11	o	PIN, CONNECTOR 10P
CN4	1-573-727-11	s	CONNECTOR, FPC 25P

CN-1015 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-026-A	o	MOUNTED CIRCUIT BOARD, CN-1015
32pcs	3-654-545-00	s	SPACER, BNC
2pcs	7-682-903-11	s	SCREW +PWH 3X6
CN1	1-561-336-00	s	CONNECTOR, COAXIAL
CN2	1-561-336-00	s	CONNECTOR, COAXIAL
CN3	1-561-336-00	s	CONNECTOR, COAXIAL
CN4	1-561-336-00	s	CONNECTOR, COAXIAL
CN5	1-561-336-00	s	CONNECTOR, COAXIAL
CN6	1-561-336-00	s	CONNECTOR, COAXIAL
CN7	1-561-336-00	s	CONNECTOR, COAXIAL
CN8	1-561-336-00	s	CONNECTOR, COAXIAL
CN9	1-561-336-00	s	CONNECTOR, COAXIAL
CN10	1-561-336-00	s	CONNECTOR, COAXIAL
CN11	1-561-336-00	s	CONNECTOR, COAXIAL
CN12	1-561-336-00	s	CONNECTOR, COAXIAL
CN13	1-561-336-00	s	CONNECTOR, COAXIAL
CN14	1-561-336-00	s	CONNECTOR, COAXIAL
CN15	1-561-336-00	s	CONNECTOR, COAXIAL
CN16	1-561-336-00	s	CONNECTOR, COAXIAL
CN17	1-506-637-11	o	CONNECTOR, PS 16P
CN18	1-506-471-11	o	PIN, CONNECTOR 6P

CN-1036 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-027-A	o	MOUNTED CIRCUIT BOARD, CN-1036
16pcs	3-654-545-00	s	SPACER, BNC
2pcs	7-682-903-11	s	SCREW +PWH 3X6
CN1	1-561-336-00	s	CONNECTOR, COAXIAL
CN2	1-561-336-00	s	CONNECTOR, COAXIAL
CN3	1-561-336-00	s	CONNECTOR, COAXIAL
CN4	1-561-336-00	s	CONNECTOR, COAXIAL
CN5	1-561-336-00	s	CONNECTOR, COAXIAL
CN6	1-561-336-00	s	CONNECTOR, COAXIAL
CN7	1-561-336-00	s	CONNECTOR, COAXIAL
CN8	1-561-336-00	s	CONNECTOR, COAXIAL
CN9	1-561-336-00	s	CONNECTOR, COAXIAL
CN10	1-561-336-00	s	CONNECTOR, COAXIAL
CN11	1-561-336-00	s	CONNECTOR, COAXIAL
CN12	1-561-336-00	s	CONNECTOR, COAXIAL
CN13	1-561-336-00	s	CONNECTOR, COAXIAL
CN14	1-561-336-00	s	CONNECTOR, COAXIAL
CN15	1-561-336-00	s	CONNECTOR, COAXIAL
CN16	1-561-336-00	s	CONNECTOR, COAXIAL
CN18	1-506-644-11	o	CONNECTOR, PS 30P
CN19	1-506-633-11	o	CONNECTOR, PS 8P

CN-1049 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-029-A	o	MOUNTED CIRCUIT BOARD, CN-1049
CN1	1-766-696-11	o	CONNECTOR, 8P
CN2	1-766-696-11	o	CONNECTOR, 8P
CN3	1-573-727-11	s	CONNECTOR, FPC 25P

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

DM-94 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-022-A	o	MOUNTED CIRCUIT BOARD, DM-94
6pcs	1-533-223-11	s	HOLDER, FUSE
4pcs	1-562-372-00	s	SOCKET, SHORT 2P
2pcs	3-681-042-01	o	LEVER, PC BOARD(1)
2pcs	3-681-045-01	o	LEVER, PC BOARD(2)
4pcs	7-626-320-11	s	PIN, SPRING 3X8
9pcs	7-682-903-11	s	SCREW +PWH 3X6
1pc	3-681-020-01	o	PC SHIELD PLATE
1pc	3-681-036-01	o	PC BOARD PANEL DM
1pc	1-239-963-23	s	FILTER, MPX
1pc	1-765-696-11	s	CABLE ASSEMBLY, COAXIAL
2pcs	7-682-903-11	s	SCREW +PWH 3X6
C2	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C3	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C7	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C12	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C17	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C22	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C37	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C40	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C41	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C42	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C45	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C46	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C47	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C49	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C50	1-128-394-11	s	ELECT 220uF 20% 10V
C52	1-128-394-11	s	ELECT 220uF 20% 10V
C56	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C58	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C63	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C65	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C70	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C73	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C77	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C80	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C87	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C89	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C123	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C127	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C128	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C129	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C130	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C133	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C135	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C136	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C137	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C138	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C140	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C142	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C144	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C145	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C146	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C147	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C149	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C150	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C152	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C153	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V

(DM-94 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C156	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C157	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C158	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C159	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C160	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C161	1-135-148-21	s	TANTAL 1.5uF 10% 16V
C162	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C163	1-135-148-21	s	TANTAL 1.5uF 10% 16V
C169	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C171	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C172	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C176	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C177	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C178	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C179	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C180	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C181	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C182	1-126-603-11	s	ELECT 4.7uF 20% 35V
C183	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C184	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C186	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C188	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C189	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C190	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C192	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C194	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C195	1-163-237-11	s	CERAMIC 27PF 5% 50V
C196	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C197	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C200	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C201	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C202	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C203	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C204	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C205	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C207	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C209	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C210	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C211	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C212	1-135-179-21	s	TANTAL 2.2uF 10% 16V
C215	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C217	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C218	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C220	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C221	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C222	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C223	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C224	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C225	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C226	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C227	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C228	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C229	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
C230	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C231	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C232	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C233	1-126-603-11	s	ELECT 4.7uF 20% 35V
C234	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C235	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(DM-94 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C236	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C237	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C238	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C241	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C243	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C244	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C246	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C247	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C249	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C250	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C251	1-135-091-00	s	TANTALUM CHIP, 1uF 20% 16V
C252	1-135-091-00	s	TANTALUM CHIP, 1uF 20% 16V
C253	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C254	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C255	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C256	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
C257	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C258	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C259	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C260	1-126-603-11	s	ELECT 4.7uF 20% 35V
C261	1-115-339-11	s	CERAMIC, CHIP 0.1uF 10% 50V
C262	1-104-910-11	s	TANTALUM, CHIP 15uF 10% 10V
C263	1-104-910-11	s	TANTALUM, CHIP 15uF 10% 10V
C264	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C265	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C266	1-163-241-11	s	CERAMIC, CHIP 39PF 5% 50V
C267	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C270	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C273	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C274	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C277	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C278	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C280	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C281	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C286	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C287	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C288	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C289	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C290	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C291	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C300	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C303	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C311	1-163-241-11	s	CERAMIC, CHIP 39PF 5% 50V
C331	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C332	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C333	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C334	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C335	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
C336	1-163-038-91	s	CERAMIC, 0.1uF 25V
C339	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C342	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C343	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C345	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C346	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C347	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C348	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C349	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C350	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C351	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V

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Ref. No. or Q'ty	Part No.	SP	Description
C352	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C353	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C354	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C355	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C356	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C357	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C358	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C360	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C361	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C362	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C363	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C364	1-135-164-21	s	TANTALUM, CHIP 22uF 20% 10V
C365	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
C367	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C368	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C369	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C370	1-135-091-00	s	TANTALUM CHIP, 1uF 20% 16V
C371	1-163-234-11	s	CERAMIC 20PF 5% 50V
C372	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C373	1-135-125-21	s	TANTAL 33uF 20% 10V
C374	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C375	1-135-125-21	s	TANTAL 33uF 20% 10V
C376	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C377	1-104-601-11	s	ELECT 10uF 20% 10V
C378	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C380	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V
C382	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C383	1-128-397-21	s	ELECT 100uF 20% 16V
C384	1-128-397-21	s	ELECT 100uF 20% 16V
C385	1-128-394-11	s	ELECT 220uF 20% 10V
C386	1-128-394-11	s	ELECT 220uF 20% 10V
C387	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C388	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C389	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C390	1-135-149-21	s	TANTALUM, CHIP 2.2uF 10% 10V
C391	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C392	1-128-394-11	s	ELECT 220uF 20% 10V
C393	1-128-394-11	s	ELECT 220uF 20% 10V
C394	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C395	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C396	1-126-395-11	s	ELECT 22uF 20% 16V
C398	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C403	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C405	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C411	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C412	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C413	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C416	1-128-397-21	s	ELECT 100uF 20% 16V
C417	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C418	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C419	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C420	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C421	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C430	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C431	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C432	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C433	1-104-601-11	s	ELECT 10uF 20% 10V
C436	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C442	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
C511	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C513	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C514	1-104-601-11	s	ELECT 10uF 20% 10V
C517	1-163-098-00	s	CERAMIC, CHIP 16PF 5% 50V
C519	1-163-224-11	s	CERAMIC, CHIP 7PF 0.25PF 50V
C520	1-135-210-11	s	TANTALUM 4.7uF 10% 10V
C521	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C522	1-135-125-21	s	TANTAL 33uF 20% 10V
C523	1-135-125-21	s	TANTAL 33uF 20% 10V
C525	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C526	1-135-148-21	s	TANTAL 1.5uF 10% 16V
C527	1-135-148-21	s	TANTAL 1.5uF 10% 16V
C540	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
CN1	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CN2	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CN3	1-766-703-11	s	CONNECTOR, COAXIAL
CN4	1-766-703-11	s	CONNECTOR, COAXIAL
CN5	1-766-703-11	s	CONNECTOR, COAXIAL
CN6	1-766-703-11	s	CONNECTOR, COAXIAL
CN7	1-766-703-11	s	CONNECTOR, COAXIAL
CN8	1-750-880-11	s	RECEPTACLE, COAXIAL CONNECTOR, BNC
CN9	1-750-880-11	s	RECEPTACLE, COAXIAL CONNECTOR, BNC
CV1	1-141-356-11	s	CAP, TRIMMER
CV2	1-141-423-61	s	CAP, TRIMMER
CV3	1-141-423-61	s	CAP, TRIMMER
D1	8-719-820-23	s	DIODE 1SS269
D2	8-719-820-23	s	DIODE 1SS269
D3	8-719-820-23	s	DIODE 1SS269
D4	8-719-820-23	s	DIODE 1SS269
D5	8-719-820-23	s	DIODE 1SS269
D6	8-719-820-23	s	DIODE 1SS269
D7	8-719-820-23	s	DIODE 1SS269
D8	8-719-820-23	s	DIODE 1SS269
D9	8-719-820-23	s	DIODE 1SS269
D10	8-719-820-23	s	DIODE 1SS269
D11	8-719-820-23	s	DIODE 1SS269
D12	8-719-820-23	s	DIODE 1SS269
D13	8-719-800-76	s	DIODE 1SS226
D14	8-719-948-47	s	DIODE HSM88AS
D15	8-719-948-47	s	DIODE HSM88AS
D16	8-719-800-76	s	DIODE 1SS226
D17	8-719-800-76	s	DIODE 1SS226
D18	8-719-820-23	s	DIODE 1SS269
D19	8-719-820-23	s	DIODE 1SS269
D20	8-719-820-23	s	DIODE 1SS269
D21	8-719-820-23	s	DIODE 1SS269
D22	8-719-820-23	s	DIODE 1SS269
D23	8-719-820-23	s	DIODE 1SS269
D24	8-719-820-23	s	DIODE 1SS269
D25	8-719-820-23	s	DIODE 1SS269
D26	8-719-820-23	s	DIODE 1SS269
D27	8-719-820-23	s	DIODE 1SS269
D28	8-719-820-23	s	DIODE 1SS269
D29	8-719-820-23	s	DIODE 1SS269
D30	8-719-820-23	s	DIODE 1SS269
D40	8-719-030-23	s	DIODE 1SV172-TE85L
D41	8-719-030-23	s	DIODE 1SV172-TE85L
D42	8-719-800-76	s	DIODE 1SS226

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Ref. No. or Q'ty	Part No.	SP	Description
D43	8-719-800-76	s	DIODE 1SS226
D44	8-719-800-76	s	DIODE 1SS226
D50	8-719-030-23	s	DIODE 1SV172-TE85L
D51	8-719-030-23	s	DIODE 1SV172-TE85L
D52	8-719-800-76	s	DIODE 1SS226
D53	8-719-800-76	s	DIODE 1SS226
D54	8-719-030-23	s	DIODE 1SV172-TE85L
D60	8-719-948-47	s	DIODE HSM88AS
D61	8-719-800-76	s	DIODE 1SS226
D64	8-719-002-81	s	DIODE 1T363
D65	8-719-002-81	s	DIODE 1T363
D66	8-719-974-41	s	DIODE HLMP-6500-010
D67	8-719-974-41	s	DIODE HLMP-6500-010
D68	8-719-974-41	s	DIODE HLMP-6500-010
D69	8-719-974-41	s	DIODE HLMP-6500-010
D70	8-719-157-23	s	DIODE RD4.7M-B
D71	8-719-157-23	s	DIODE RD4.7M-B
D72	8-759-274-67	s	IC LM4040BIM3X-5.0
D73	8-719-021-31	s	DIODE UZM5.1B
DL1	1-415-832-11	s	DELAY LINE
E1	3-673-772-01	s	TERMINAL, TP
E2	3-673-772-01	s	TERMINAL, TP
E4	3-673-772-01	s	TERMINAL, TP
E5	3-673-772-01	s	TERMINAL, TP
E6	3-673-772-01	s	TERMINAL, TP
E7	3-673-772-01	s	TERMINAL, TP
E8	3-673-772-01	s	TERMINAL, TP
E9	3-673-772-01	s	TERMINAL, TP
E10	3-673-772-01	s	TERMINAL, TP
E11	3-673-772-01	s	TERMINAL, TP
E12	3-673-772-01	s	TERMINAL, TP
E13	3-673-772-01	s	TERMINAL, TP
E14	3-673-772-01	s	TERMINAL, TP
E15	3-673-772-01	s	TERMINAL, TP
E16	3-673-772-01	s	TERMINAL, TP
F1	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F2	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F3	⚠ 1-576-225-41	s	FUSE (H.B.C.)
FB1	1-535-178-00	s	RES, FERRITE
FB2	1-535-178-00	s	RES, FERRITE
FB3	1-535-178-00	s	RES, FERRITE
FB4	1-535-178-00	s	RES, FERRITE
FL1	1-239-948-11	s	FILTER, LOW-PASS (VIDEO)
FL2	1-239-944-11	s	FILTER, LOW-PASS
FL3	1-409-821-11	s	PHASE SHIFTER 90
FL4	1-239-950-11	s	FILTER, LOW-PASS (VIDEO)
FL5	1-239-951-11	s	FILTER, LOW-PASS (VIDEO)
FL6	1-239-946-11	s	FILTER, LOW-PASS
FL7	1-239-951-11	s	FILTER, LOW-PASS (VIDEO)
FL8	1-239-948-11	s	FILTER, LOW-PASS (VIDEO)
FL9	1-236-272-11	s	FILTER, BANDPASS 70MHz
FL10	1-239-948-11	s	FILTER, LOW-PASS (VIDEO)
FL11	1-239-972-11	s	FILTER, LOW-PASS
FL12	1-239-964-11	s	FILTER (CABLE EQ)
FL13	1-239-965-11	s	FILTER (CABLE EQ)
FL14	1-239-966-11	s	FILTER (CABLE EQ)
FL15	1-239-967-11	s	FILTER (CABLE EQ)

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
IC1	8-759-906-53	s	IC TL062CPS
IC2	8-759-300-71	s	IC MC14053BF
IC3	8-759-100-93	s	IC UPC393G2
IC4	8-759-008-74	s	IC MC14001BF
IC5	8-759-009-41	s	IC MC14520BF
IC6	8-759-009-82	s	IC MC14011BF-T2
IC7	8-759-011-65	s	IC MC74HC4053F
IC8	8-759-008-74	s	IC MC14001BF
IC9	8-759-009-82	s	IC MC14011BF-T2
IC10	8-759-011-65	s	IC MC74HC4053F
IC11	8-759-011-65	s	IC MC74HC4053F
IC12	8-759-906-53	s	IC TL062CPS
IC13	8-759-176-91	s	IC M51348AFP
IC14	8-759-987-27	s	IC LM1881M
IC15	8-759-239-58	s	IC TC74HC221AF
IC16	8-759-239-58	s	IC TC74HC221AF
IC17	8-759-100-93	s	IC UPC393G2
IC18	8-759-700-95	s	IC NJM1496M
IC19	8-759-906-53	s	IC TL062CPS
IC20	8-759-141-60	s	IC UPA101G
IC21	8-759-054-61	s	IC CLC505AJE
IC22	8-759-085-67	s	IC LM339NS
IC23	8-759-105-49	s	IC UPC319G2
IC24	8-759-906-53	s	IC TL062CPS
IC25	8-759-141-60	s	IC UPA101G
IC26	8-759-054-61	s	IC CLC505AJE
IC27	8-759-382-70	s	IC TLC274CNS-E05
IC29	8-759-141-60	s	IC UPA101G
IC30	8-759-054-61	s	IC CLC505AJE
IC31	8-759-382-70	s	IC TLC274CNS-E05
IC32	8-759-100-93	s	IC UPC393G2
IC33	8-759-009-05	s	IC MC14051BF
IC34	8-759-242-64	s	IC TC4W53F
IC36	8-759-242-64	s	IC TC4W53F
IC37	8-759-242-64	s	IC TC4W53F
IC38	8-752-058-10	s	IC CXA1122AM-3
IC39	8-752-052-82	s	IC CXA1432M
IC40	8-752-052-82	s	IC CXA1432M
IC41	8-759-054-61	s	IC CLC505AJE
IC42	8-759-906-53	s	IC TL062CPS
IC43	8-759-906-53	s	IC TL062CPS
IC44	8-759-281-38	s	IC M52313SP
IC45	8-759-147-84	s	IC CXD8072Q
IC46	8-759-242-78	s	IC TC7W02F
IC47	8-759-970-59	s	IC TLC272CPS
IC48	8-759-009-05	s	IC MC14051BF
IC49	8-759-906-53	s	IC TL062CPS
IC50	8-759-242-78	s	IC TC7W02F
IC51	8-759-926-25	s	IC SN74HC165ANS
IC52	8-759-926-25	s	IC SN74HC165ANS
IC53	8-759-054-61	s	IC CLC505AJE
IC54	8-759-054-61	s	IC CLC505AJE
IC55	8-759-054-61	s	IC CLC505AJE
IC56	8-759-054-61	s	IC CLC505AJE
IC57	8-759-054-61	s	IC CLC505AJE
IC58	8-752-052-82	s	IC CXA1432M
L1	1-412-029-11	s	INDUCTOR CHIP 10uH
L2	1-412-029-11	s	INDUCTOR CHIP 10uH

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Ref. No. or Q'ty	Part No.	SP	Description
L3	1-408-777-00	s	INDUCTOR CHIP 10uH
L4	1-408-777-00	s	INDUCTOR CHIP 10uH
L5	1-408-777-00	s	INDUCTOR CHIP 10uH
L6	1-408-777-00	s	INDUCTOR CHIP 10uH
L7	1-408-777-00	s	INDUCTOR CHIP 10uH
L8	1-408-777-00	s	INDUCTOR CHIP 10uH
L9	1-408-777-00	s	INDUCTOR CHIP 10uH
L10	1-412-029-11	s	INDUCTOR CHIP 10uH
L11	1-412-029-11	s	INDUCTOR CHIP 10uH
L12	1-412-029-11	s	INDUCTOR CHIP 10uH
L13	1-412-029-11	s	INDUCTOR CHIP 10uH
L14	1-408-777-00	s	INDUCTOR CHIP 10uH
L15	1-408-777-00	s	INDUCTOR CHIP 10uH
L16	1-408-777-00	s	INDUCTOR CHIP 10uH
L17	1-408-777-00	s	INDUCTOR CHIP 10uH
L18	1-408-777-00	s	INDUCTOR CHIP 10uH
L19	1-408-777-00	s	INDUCTOR CHIP 10uH
L20	1-408-777-00	s	INDUCTOR CHIP 10uH
L30	1-412-029-11	s	INDUCTOR CHIP 10uH
L31	1-408-777-00	s	INDUCTOR CHIP 10uH
L32	1-408-777-00	s	INDUCTOR CHIP 10uH
L33	1-408-777-00	s	INDUCTOR CHIP 10uH
L34	1-412-029-11	s	INDUCTOR CHIP 10uH
L37	1-412-029-11	s	INDUCTOR CHIP 10uH
L38	1-412-029-11	s	INDUCTOR CHIP 10uH
L39	1-412-029-11	s	INDUCTOR CHIP 10uH
L40	1-412-029-11	s	INDUCTOR CHIP 10uH
L41	1-412-029-11	s	INDUCTOR CHIP 10uH
L42	1-412-029-11	s	INDUCTOR CHIP 10uH
L43	1-412-029-11	s	INDUCTOR CHIP 10uH
L44	1-412-029-11	s	INDUCTOR CHIP 10uH
L50	1-412-029-11	s	INDUCTOR CHIP 10uH
L51	1-412-029-11	s	INDUCTOR CHIP 10uH
L52	1-408-777-00	s	INDUCTOR CHIP 10UH
L53	1-408-777-00	s	INDUCTOR CHIP 10uH
L54	1-408-777-00	s	INDUCTOR CHIP 10uH
L55	1-412-029-11	s	INDUCTOR CHIP 10uH
L56	1-412-029-11	s	INDUCTOR CHIP 10uH
L57	1-412-029-11	s	INDUCTOR CHIP 10uH
L58	1-412-029-11	s	INDUCTOR CHIP 10uH
L59	1-408-777-00	s	INDUCTOR CHIP 10uH
L60	1-408-765-21	s	INDUCTOR CHIP 1uH
L61	1-408-777-00	s	INDUCTOR CHIP 10uH
L62	1-412-029-11	s	INDUCTOR CHIP 10uH
L70	1-412-029-11	s	INDUCTOR CHIP 10uH
L71	1-412-029-11	s	INDUCTOR CHIP 10uH
L74	1-412-029-11	s	INDUCTOR CHIP 10uH
L75	1-412-029-11	s	INDUCTOR CHIP 10uH
L76	1-412-029-11	s	INDUCTOR CHIP 10uH
L77	1-412-029-11	s	INDUCTOR CHIP 10uH
L78	1-408-765-21	s	INDUCTOR CHIP 1uH
L79	1-410-136-11	s	INDUCTOR 3.3uH
L80	1-422-595-12	s	COIL, AIR CORE
L81	1-422-594-11	s	COIL, AIR CORE
L82	1-412-029-11	s	INDUCTOR CHIP 10uH
L83	1-412-029-11	s	INDUCTOR CHIP 10uH
L84	1-412-026-11	s	INDUCTOR CHIP 1uH
L85	1-412-026-11	s	INDUCTOR CHIP 1uH
L88	1-412-026-11	s	INDUCTOR CHIP 1uH

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
L90	1-412-026-11	s	INDUCTOR CHIP 1uH
L91	1-412-026-11	s	INDUCTOR CHIP 1uH
L93	1-412-026-11	s	INDUCTOR CHIP 1uH
L94	1-414-529-21	s	INDUCTOR(POWER) 100uH
L95	1-414-529-21	s	INDUCTOR(POWER) 100uH
L96	1-414-529-21	s	INDUCTOR(POWER) 100uH
L98	1-412-029-11	s	INDUCTOR CHIP 10uH
L99	1-412-029-11	s	INDUCTOR CHIP 10uH
L100	1-412-029-11	s	INDUCTOR CHIP 10uH
L101	1-412-029-11	s	INDUCTOR CHIP 10uH
L102	1-409-840-11	s	COIL, BALUN
L103	1-409-840-11	s	COIL, BALUN
L104	1-412-029-11	s	INDUCTOR CHIP 10uH
L105	1-412-029-11	s	INDUCTOR CHIP 10uH
LV1	1-410-301-11	s	MICRO INDUCTOR 1uH
LV2	1-409-820-21	s	COIL, VAR
LV3	1-409-820-21	s	COIL, VAR
Q1	8-729-175-73	s	TRANSISTOR 2SC2757
Q2	8-729-216-22	s	TRANSISTOR 2SA1162
Q3	8-729-175-73	s	TRANSISTOR 2SC2757
Q4	8-729-175-73	s	TRANSISTOR 2SC2757
Q5	8-729-216-22	s	TRANSISTOR 2SA1162
Q6	8-729-175-73	s	TRANSISTOR 2SC2757
Q7	8-729-175-73	s	TRANSISTOR 2SC2757
Q8	8-729-216-22	s	TRANSISTOR 2SA1162
Q9	8-729-175-73	s	TRANSISTOR 2SC2757
Q10	8-729-175-73	s	TRANSISTOR 2SC2757
Q11	8-729-216-22	s	TRANSISTOR 2SA1162
Q12	8-729-175-73	s	TRANSISTOR 2SC2757
Q13	8-729-175-73	s	TRANSISTOR 2SC2757
Q14	8-729-216-22	s	TRANSISTOR 2SA1162
Q15	8-729-175-73	s	TRANSISTOR 2SC2757
Q16	8-729-175-73	s	TRANSISTOR 2SC2757
Q17	8-729-122-63	s	TRANSISTOR 2SA1226
Q18	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q19	8-729-175-73	s	TRANSISTOR 2SC2757
Q20	8-729-216-22	s	TRANSISTOR 2SA1162
Q21	8-729-175-73	s	TRANSISTOR 2SC2757
Q22	8-729-175-73	s	TRANSISTOR 2SC2757
Q23	8-729-175-73	s	TRANSISTOR 2SC2757
Q24	8-729-216-22	s	TRANSISTOR 2SA1162
Q25	8-729-175-73	s	TRANSISTOR 2SC2757
Q26	8-729-175-73	s	TRANSISTOR 2SC2757
Q27	8-729-175-73	s	TRANSISTOR 2SC2757
Q28	8-729-216-22	s	TRANSISTOR 2SA1162
Q29	8-729-175-73	s	TRANSISTOR 2SC2757
Q30	8-729-175-73	s	TRANSISTOR 2SC2757
Q31	8-729-175-73	s	TRANSISTOR 2SC2757
Q32	8-729-216-22	s	TRANSISTOR 2SA1162
Q33	8-729-175-73	s	TRANSISTOR 2SC2757
Q34	8-729-175-73	s	TRANSISTOR 2SC2757
Q35	8-729-175-73	s	TRANSISTOR 2SC2757
Q36	8-729-216-22	s	TRANSISTOR 2SA1162
Q37	8-729-175-73	s	TRANSISTOR 2SC2757
Q38	8-729-175-73	s	TRANSISTOR 2SC2757
Q39	8-729-175-73	s	TRANSISTOR 2SC2757
Q50	8-729-175-73	s	TRANSISTOR 2SC2757
Q51	8-729-175-73	s	TRANSISTOR 2SC2757

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Ref. No. or Q'ty	Part No.	SP	Description
Q52	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q53	8-729-122-63	s	TRANSISTOR 2SA1226
Q54	8-729-122-63	s	TRANSISTOR 2SA1226
Q55	8-729-122-63	s	TRANSISTOR 2SA1226
Q56	8-729-122-63	s	TRANSISTOR 2SA1226
Q57	8-729-122-63	s	TRANSISTOR 2SA1226
Q58	8-729-122-63	s	TRANSISTOR 2SA1226
Q60	8-729-109-44	s	TRANSISTOR 2SK94
Q61	8-729-109-44	s	TRANSISTOR 2SK94
Q62	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q63	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q64	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q65	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q66	8-729-122-63	s	TRANSISTOR 2SA1226
Q67	8-729-175-73	s	TRANSISTOR 2SC2757
Q68	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q69	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q70	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q71	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q72	8-729-216-22	s	TRANSISTOR 2SA1162
Q73	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q74	8-729-216-22	s	TRANSISTOR 2SA1162
Q80	8-729-175-73	s	TRANSISTOR 2SC2757
Q81	8-729-175-73	s	TRANSISTOR 2SC2757
Q82	8-729-175-73	s	TRANSISTOR 2SC2757
Q83	8-729-175-73	s	TRANSISTOR 2SC2757
Q84	8-729-175-73	s	TRANSISTOR 2SC2757
Q85	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q86	8-729-175-73	s	TRANSISTOR 2SC2757
Q87	8-729-122-63	s	TRANSISTOR 2SA1226
Q88	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q89	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q90	8-729-122-63	s	TRANSISTOR 2SA1226
Q91	8-729-109-44	s	TRANSISTOR 2SK94
Q92	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q93	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q94	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q95	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q96	8-729-122-63	s	TRANSISTOR 2SA1226
Q97	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q98	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q99	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q100	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q101	8-729-122-63	s	TRANSISTOR 2SA1226
Q102	8-729-109-44	s	TRANSISTOR 2SK94
Q103	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q104	8-729-116-64	s	TRANSISTOR 2SK508-K51
Q105	8-729-112-65	s	TRANSISTOR 2SA1462-Y33
Q106	8-729-175-73	s	TRANSISTOR 2SC2757
Q110	8-729-403-29	s	TRANSISTOR XN6435
Q111	8-729-403-32	s	TRANSISTOR XN6534
Q112	8-729-403-29	s	TRANSISTOR XN6435
Q113	8-729-403-29	s	TRANSISTOR XN6435
Q114	8-729-403-32	s	TRANSISTOR XN6534
Q115	8-729-403-29	s	TRANSISTOR XN6435
Q116	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q117	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q118	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q119	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
Q120	8-729-216-22	s	TRANSISTOR 2SA1162
Q121	8-729-216-22	s	TRANSISTOR 2SA1162
Q122	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q123	8-729-216-22	s	TRANSISTOR 2SA1162
Q126	8-729-175-73	s	TRANSISTOR 2SC2757
Q127	8-729-175-73	s	TRANSISTOR 2SC2757
Q128	8-729-175-73	s	TRANSISTOR 2SC2757
Q129	8-729-175-73	s	TRANSISTOR 2SC2757
Q130	8-729-175-73	s	TRANSISTOR 2SC2757
Q131	8-729-175-73	s	TRANSISTOR 2SC2757
Q132	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q133	8-729-122-63	s	TRANSISTOR 2SA1226
Q134	8-729-175-73	s	TRANSISTOR 2SC2757
Q135	8-729-200-87	s	TRANSISTOR 2SC2714Y
Q136	8-729-122-63	s	TRANSISTOR 2SA1226
Q137	8-729-216-22	s	TRANSISTOR 2SA1162
Q138	8-729-216-22	s	TRANSISTOR 2SA1162
Q139	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q140	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q141	8-729-175-73	s	TRANSISTOR 2SC2757
Q142	8-729-175-73	s	TRANSISTOR 2SC2757
Q143	8-729-175-73	s	TRANSISTOR 2SC2757
Q144	8-766-001-20	s	TRANSISTOR SGM2006M
Q145	8-729-101-07	s	TRANSISTOR 2SB798
Q146	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q147	8-729-101-07	s	TRANSISTOR 2SB798
Q148	8-729-402-19	s	TRANSISTOR XN6501
Q149	8-729-402-19	s	TRANSISTOR XN6501
Q150	8-729-402-19	s	TRANSISTOR XN6501
Q151	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q152	8-729-216-22	s	TRANSISTOR 2SA1162
Q153	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q154	8-729-216-22	s	TRANSISTOR 2SA1162
Q155	8-729-175-73	s	TRANSISTOR 2SC2757
Q156	8-729-175-73	s	TRANSISTOR 2SC2757
Q157	8-729-216-22	s	TRANSISTOR 2SA1162
Q158	8-729-905-18	s	TRANSISTOR DTC144EU
Q159	8-729-216-22	s	TRANSISTOR 2SA1162
Q160	8-729-905-18	s	TRANSISTOR DTC144EU
Q161	8-729-216-22	s	TRANSISTOR 2SA1162
Q162	8-729-905-18	s	TRANSISTOR DTC144EU
Q163	8-729-216-22	s	TRANSISTOR 2SA1162
Q164	8-729-905-18	s	TRANSISTOR DTC144EU
Q165	8-729-905-12	s	TRANSISTOR DTA144EU
Q166	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q167	8-729-905-12	s	TRANSISTOR DTA144EU
Q168	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q170	8-729-175-73	s	TRANSISTOR 2SC2757
Q171	8-729-175-73	s	TRANSISTOR 2SC2757
Q172	8-729-175-73	s	TRANSISTOR 2SC2757
Q173	8-729-175-73	s	TRANSISTOR 2SC2757
Q174	8-729-175-73	s	TRANSISTOR 2SC2757
Q175	8-729-175-73	s	TRANSISTOR 2SC2757
Q176	8-729-175-73	s	TRANSISTOR 2SC2757
Q177	8-729-175-73	s	TRANSISTOR 2SC2757
Q178	8-729-175-73	s	TRANSISTOR 2SC2757
Q179	8-729-175-73	s	TRANSISTOR 2SC2757
Q180	8-729-122-63	s	TRANSISTOR 2SA1226
Q181	8-729-122-63	s	TRANSISTOR 2SA1226

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Ref. No. or Q'ty	Part No.	SP	Description
Q182	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q183	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q184	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q185	8-729-122-63	s	TRANSISTOR 2SA1226
Q186	8-729-905-12	s	TRANSISTOR DTA144EU
Q187	8-729-905-12	s	TRANSISTOR DTA144EU
Q188	8-729-905-18	s	TRANSISTOR DTC144EU
R1	1-216-624-11	s	METAL 75 0.50% 1/10W
R8	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R9	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R10	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R13	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R14	1-216-638-11	s	METAL 300 0.50% 1/10W
R20	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R21	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R22	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R25	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R26	1-216-638-11	s	METAL 300 0.50% 1/10W
R32	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R33	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R34	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R38	1-216-638-11	s	METAL 300 0.50% 1/10W
R42	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R43	1-216-089-91	s	METAL 47K 5% 1/10W
R44	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R45	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R46	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R48	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R49	1-216-638-11	s	METAL 300 0.50% 1/10W
R57	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R58	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R59	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R62	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R63	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R73	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R74	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R75	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R77	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R78	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R79	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R80	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R81	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R85	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R86	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R88	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R89	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R90	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R94	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R96	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R103	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R104	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R105	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R106	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R107	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R108	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R109	1-216-638-11	s	METAL 300 0.50% 1/10W
R115	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R116	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R117	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R118	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R119	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R120	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R121	1-216-638-11	s	METAL 300 0.50% 1/10W
R127	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R128	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R129	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R130	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R131	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R132	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R133	1-216-638-11	s	METAL 300 0.50% 1/10W
R139	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R140	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R141	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R142	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R143	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R144	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R145	1-216-638-11	s	METAL 300 0.50% 1/10W
R153	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R154	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R155	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R156	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R157	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R158	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R160	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R180	1-208-771-11	s	METAL, CHIP 360 0.50% 1/10W
R181	1-216-650-11	s	METAL, CHIP 910 0.50% 1/10W
R182	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R183	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R184	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R185	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R186	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R187	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R188	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R189	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R191	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R192	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R196	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R201	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R203	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R204	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R207	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R208	1-218-772-11	s	METAL 680K 0.50% 1/10W
R209	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R214	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R216	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R217	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R220	1-216-662-11	s	METAL 3K 0.50% 1/10W
R224	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R229	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R231	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R234	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R235	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R236	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R237	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R238	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R239	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R240	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R248	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R249	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R250	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R251	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R252	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R253	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R254	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R260	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R261	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R262	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R263	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R265	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R267	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R268	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R269	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R270	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R272	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R273	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R274	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R275	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R276	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R277	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R278	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R286	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R287	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R288	1-216-631-11	s	METAL 150 0.50% 1/10W
R289	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R290	1-216-631-11	s	METAL 150 0.50% 1/10W
R291	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R292	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R293	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R294	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R297	1-216-645-11	s	METAL 560 0.50% 1/10W
R298	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R300	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R302	1-208-785-11	s	METAL, CHIP 1.3K 0.50% 1/10W
R306	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R307	1-218-768-11	s	METAL 470K 0.50% 1/10W
R308	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R309	1-216-089-91	s	METAL 47K 5% 1/10W
R314	1-216-690-11	s	METAL 43K 0.50% 1/10W
R315	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R316	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R318	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R319	1-208-811-11	s	METAL 16K 0.50% 1/10W
R320	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R321	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R322	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R325	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R326	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R327	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R328	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R350	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W
R351	1-216-638-11	s	METAL 300 0.50% 1/10W
R352	1-216-638-11	s	METAL 300 0.50% 1/10W
R353	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R354	1-216-638-11	s	METAL 300 0.50% 1/10W
R355	1-216-638-11	s	METAL 300 0.50% 1/10W
R356	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R358	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R359	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R360	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R361	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R362	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R364	1-216-660-11	s	METAL, CHIP 2.4K 0.50% 1/10W
R365	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R367	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R368	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R370	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R371	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R376	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R378	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R379	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R380	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R381	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R389	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R390	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R391	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R392	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R393	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R394	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R395	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R396	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R397	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R398	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R400	1-216-089-91	s	METAL 47K 5% 1/10W
R401	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R402	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R405	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R406	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R407	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R412	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R413	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R415	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R418	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R419	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R420	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R421	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R423	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R424	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R425	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R428	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R429	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R431	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R435	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R436	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R440	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R441	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R442	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R443	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R451	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R452	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R453	1-216-638-11	s	METAL 300 0.50% 1/10W
R454	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R455	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R456	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R457	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R458	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R459	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R460	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R463	1-216-089-91	s	METAL 47K 5% 1/10W
R464	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R465	1-216-662-11	s	METAL 3K 0.50% 1/10W
R468	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R469	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R470	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R471	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R477	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R480	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R481	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R482	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R484	1-218-760-11	s	METAL, CHIP 220K 0.50% 1/10W
R485	1-216-651-11	s	METAL, CHIP 1.0K 0.5% 1/10W
R486	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R487	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R491	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R492	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R493	1-216-603-11	s	METAL, CHIP 10 0.50% 1/10W
R527	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R552	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R553	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R554	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R555	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R557	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R558	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R573	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R576	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R577	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R578	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R581	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R583	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R585	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R590	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R592	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R593	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R594	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R595	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R596	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R606	1-216-621-11	s	METAL, CHIP 56 0.50% 1/10W
R607	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R608	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W
R609	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R610	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R611	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R612	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R613	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R614	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R615	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R617	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R619	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R620	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R621	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R622	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R623	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R624	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R625	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W
R630	1-216-623-11	s	METAL 68 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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Ref. No. or Q'ty	Part No.	SP	Description
R633	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R636	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R638	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R640	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R642	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R643	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R644	1-218-761-11	s	METAL 240K 0.50% 1/10W
R645	1-218-756-11	s	METAL 150K 0.50% 1/10W
R647	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R648	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R649	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R650	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R651	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R652	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R653	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R654	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R655	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R656	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R657	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R658	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R659	1-216-634-11	s	METAL, CHIP 200 0.50% 1/10W
R662	1-216-624-11	s	METAL 75 0.50% 1/10W
R663	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R664	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R665	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R666	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R668	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R669	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R671	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R673	1-216-619-11	s	METAL, CHIP 47 0.50% 1/10W
R674	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R677	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R679	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R681	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R683	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R684	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R685	1-216-624-11	s	METAL 75 0.50% 1/10W
R687	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R692	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R693	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R696	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R697	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R698	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R699	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R700	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R701	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R702	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R703	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R704	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R709	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R710	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R715	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R716	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R717	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R718	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R721	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R722	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R723	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R724	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R727	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R728	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R729	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R731	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R732	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R733	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R734	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R749	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R753	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R755	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R756	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R757	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R758	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R759	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R760	1-216-611-11	s	METAL, CHIP 22 0.50% 1/10W
R761	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R762	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R763	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R764	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R767	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R769	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R770	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R772	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R778	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R791	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R792	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R793	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R794	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R795	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R797	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R798	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R799	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R800	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R801	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R803	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R804	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R805	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R806	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R807	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R809	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R810	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R811	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R812	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R813	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R816	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R817	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R818	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R819	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R820	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R822	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R823	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R824	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R825	1-218-756-11	s	METAL 150K 0.50% 1/10W
R827	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R828	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R829	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R830	1-218-756-11	s	METAL 150K 0.50% 1/10W
R832	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R833	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(DM-94 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R834	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R835	1-218-756-11	s	METAL 150K 0.50% 1/10W
R837	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R838	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R839	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R840	1-218-756-11	s	METAL 150K 0.50% 1/10W
R843	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R844	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R845	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R846	1-218-756-11	s	METAL 150K 0.50% 1/10W
R860	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R862	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R863	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R864	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R865	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R866	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R867	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R868	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R869	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R870	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R871	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R872	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R874	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R875	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R876	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R877	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R878	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R879	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R880	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R881	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R882	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R884	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R885	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R886	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R887	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R889	1-208-785-11	s	METAL, CHIP 1.3K 0.50% 1/10W
R890	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R891	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R892	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R894	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R898	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R903	1-216-650-11	s	METAL, CHIP 910 0.50% 1/10W
R908	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R909	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R910	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R911	1-216-647-11	s	METAL, CHIP 680 0.5% 1/10W
R913	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R914	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R915	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R917	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R918	1-208-823-11	s	METAL, CHIP 51K 0.50% 1/10W
R919	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R920	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
RV1	1-228-455-00	s	RES, ADJ, METAL 500
RV2	1-228-457-00	s	RES, ADJ, METAL 2K
RV3	1-228-461-00	s	RES, ADJ, METAL 50K
RV4	1-228-457-00	s	RES, ADJ, METAL 2K
RV5	1-228-457-00	s	RES, ADJ, METAL 2K

(DM-94 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RV6	1-228-460-00	s	RES, ADJ, METAL 20K
RV7	1-228-459-00	s	RES, ADJ, METAL 10K
RV8	1-228-457-00	s	RES, ADJ, METAL 2K
RV9	1-228-472-00	s	RES, ADJ, METAL 2K
RV10	1-228-457-00	s	RES, ADJ, METAL 2K
RV11	1-228-457-00	s	RES, ADJ, METAL 2K
RV12	1-228-471-00	s	RES, ADJ, METAL 1K
RV13	1-228-458-00	s	RES, ADJ, METAL 5K
RV14	1-228-460-00	s	RES, ADJ, METAL 20K
RV15	1-228-459-00	s	RES, ADJ, METAL 10K
RV16	1-228-457-00	s	RES, ADJ, METAL 2K
RV17	1-228-471-00	s	RES, ADJ, METAL 1K
RV18	1-228-458-00	s	RES, ADJ, METAL 5K
RV19	1-228-458-00	s	RES, ADJ, METAL 5K
RV20	1-228-455-00	s	RES, ADJ, METAL 500
RV21	1-228-466-00	s	RES, ADJ, METAL 2M
RV22	1-228-460-00	s	RES, ADJ, METAL 20K
RV23	1-228-456-00	s	RES, ADJ, METAL 1K
RV24	1-228-460-00	s	RES, ADJ, METAL 20K
S1	1-570-857-11	s	SWITCH, SLIDE
S2	1-692-066-11	s	SWITCH, ROTARY
S3	1-564-948-21	o	PIN, CONNECTOR 3P
S4	1-564-948-21	o	PIN, CONNECTOR 3P
S5	1-564-948-21	o	PIN, CONNECTOR 3P
S6	1-564-948-21	o	PIN, CONNECTOR 3P
SWF1	1-404-706-11	s	RESONATOR, SAW
T1	1-428-841-11	s	COIL, AIR CORE
X1	1-760-439-11	s	OSCILLATOR, CRYSTAL 22.5MHz
X2	1-760-438-11	s	CRYSTAL 45.00MHz
R363	1-216-059-00	s	METAL, CHIP 2.7K 50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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FL-246 BOARD
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Ref. No.
or Q'ty  Part No.    SP Description

1pc      A-8320-133-A o MOUNTED CIRCUIT BOARD, FL-246


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IO-103 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      A-8314-030-A o MOUNTED CIRCUIT BOARD, IO-103
1pc      1-562-210-11 o CONTACT, FEMALE AWG18-22
1pc      1-562-286-11 o HOUSING, 5P

C1       1-161-744-51 s CERAMIC 0.01uF 400V
C2       1-161-744-51 s CERAMIC 0.01uF 400V
C3       1-136-206-11 s FILM 0.033uF 5% 630
C4       1-136-202-11 s FILM 0.33uF 5% 400V

CN1      1-564-104-00 o PIN, CONNECTOR (B3P-VH) 3P
CN2      1-750-880-11 s RECEPTACLE, COAXIAL CONNECTOR, BNC

L1       1-410-151-11 s INDUCTOR 56uH
L2       1-408-142-21 s INDUCTOR MICRO 22.5mH
L3       1-410-253-11 s COIL, CHOKE (TROIDAL) 80uH
L4       1-403-607-12 s COIL, CHOKE 91uH


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LE-133 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-660-104-11 o PRINTED CIRCUIT BOARD, LE-133

CR401    1-809-488-11 s DIODE LD-101MG
CR402    1-809-488-11 s DIODE LD-101MG
CR403    8-719-940-87 s LED LD-101VR, RED
CR404    8-719-940-87 s LED LD-101VR, RED
CR405    8-719-045-44 s DIODE GL3EG44

CR406    8-719-045-44 s DIODE GL3EG44
CR407    8-719-045-44 s DIODE GL3EG44
CR408    8-719-045-44 s DIODE GL3EG44
CR409    8-719-045-44 s DIODE GL3EG44
CR410    8-719-045-44 s DIODE GL3EG44

CR411    8-719-032-78 s DIODE GL3UR8
CR412    8-719-032-78 s DIODE GL3UR8
CR413    8-719-032-78 s DIODE GL3UR8
CR414    8-719-032-78 s DIODE GL3UR8
CR415    8-719-032-78 s DIODE GL3UR8

CR416    8-719-032-78 s DIODE GL3UR8

J15      1-564-717-11 o PIN, CONNECTOR (SMALL TYPE)15P
J20      1-564-705-11 o CONNECTOR, 3P, MALE


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MB-563 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      A-8314-024-A o MOUNTED CIRCUIT BOARD, MB-563
4pcs     3-531-576-11 s RIVET
2pcs     3-693-964-01 o SHEET,INSULATING
2pcs     3-693-964-01 o SHEET,INSULATING

CN1      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN2      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN3      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN4      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN5      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P

CN6      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN7      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN8      1-764-692-11 o CONNECTOR, BOARD TO BOARD 96P
CN9      1-566-444-11 o CONNECTOR, D-SUB 50P
CN10     1-564-687-11 o PIN, CONNECTOR 3P

CN11     1-506-636-11 o CONNECTOR, PS 14P
CN12     1-750-880-11 s RECEPTACLE, COAXIAL CONNECTOR, BNC
CN13     1-573-727-11 s CONNECTOR, FPC 25P
CN15     1-750-880-11 s RECEPTACLE, COAXIAL CONNECTOR, BNC
CN16     1-506-639-11 o CONNECTOR, PS 20P

CN17     1-506-471-11 o PIN, CONNECTOR 6P
CN18     1-506-634-11 o CONNECTOR, PS 10P
CN19     1-573-727-11 s CONNECTOR, FPC 25P
CN20     1-506-469-11 s CONNECTOR, 4P, MALE
CN21     1-506-632-11 o CONNECTOR, PS 6P

CN22     1-506-471-11 o PIN, CONNECTOR 6P
CN23     1-506-644-11 o CONNECTOR, PS 30P
CN24     1-506-470-11 s PIN, CONNECTOR 5P
CN25     1-506-633-11 o CONNECTOR, PS 8P
CN26     1-506-472-11 s CONNECTOR, 7P, MALE

CN27     1-506-468-11 o CONNECTOR, 3P, MALE
CN28     1-506-477-11 o CONNECTOR, 12P, MALE


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PS-356 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-589-836-11 o MOUNTED CIRCUIT BOARD, PS-356


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PS-357 BOARD
------------
or Q'ty  Part No.    SP Description

1pc      1-589-837-11 o MOUNTED CIRCUIT BOARD, PS-357


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PS-480 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-475-446-11 o MOUNTED CIRCUIT BOARD, PS-480
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NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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PS-481 BOARD
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Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-475-447-11 o MOUNTED CIRCUIT BOARD, PS-481


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SW-958 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-669-659-11 o MOUNTED CIRCUIT BOARD, SW-958

CN1      1-691-960-11 s PIN, CONNECTOR 3P
CN2      1-779-671-11 o PIN, CONNECTOR 5P
CN3      1-779-656-11 o PIN, CONNECTOR 7P

S1       1-570-173-11 s SWITCH VOLTAGE CHANGE


------------
SW-959 BOARD
------------
Ref. No.
or Q'ty  Part No.    SP Description

1pc      1-669-660-11 o MOUNTED CIRCUIT BOARD, SW-959

CN1      1-779-671-11 o PIN, CONNECTOR 5P

S1       1-570-173-11 s SWITCH VOLTAGE CHANGE
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NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

VA-156A/156B/156P BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8314-039-A	o	MOUNTED CIRCUIT BOARD, VA-156B [for CCU-700A(J)]
1pc	A-8314-031-A	o	MOUNTED CIRCUIT BOARD, VA-156A [for CCU-700A(UC)]
1pc	A-8265-852-A	o	MOUNTED CIRCUIT BOARD, VA-156P [for CCU-700AP(CE)]
1pc	1-562-372-00	s	SOCKET, SHORT 2P
4pcs	1-533-223-11	s	HOLDER, FUSE
2pcs	3-681-042-01	o	LEVER, PC BOARD(1)
2pcs	3-681-045-01	o	LEVER, PC BOARD(2)
1pc	3-683-019-01	o	PC BOARD PANEL VA/P [for CCU-700AP(CE)]
9pcs	7-682-903-11	s	SCREW +PWH 3X6
4pcs	7-626-320-11	s	PIN, SPRING 3X8
1pc	3-681-038-01	o	PC BOARD PANEL VA [for CCU-700A(J), CCU-700A(UC)]
1pc	3-681-020-01	o	PC SHIELD PLATE
4pcs	1-562-372-00	s	SOCKET, SHORT 2P
C1	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2	1-126-391-11	s	ELECT 47uF 20% 6.3V
C5	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C11	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C14	1-126-391-11	s	ELECT 47uF 20% 6.3V
C16	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C17	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C21	1-163-229-11	s	CERAMIC 12PF 5% 50V
C22	1-126-391-11	s	ELECT 47uF 20% 6.3V
C24	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C26	1-126-391-11	s	ELECT 47uF 20% 6.3V
C27	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C29	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C32	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C43	1-126-391-11	s	ELECT 47uF 20% 6.3V
C44	1-126-391-11	s	ELECT 47uF 20% 6.3V
C47	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C125	1-126-391-11	s	ELECT 47uF 20% 6.3V
C126	1-126-391-11	s	ELECT 47uF 20% 6.3V
C135	1-126-391-11	s	ELECT 47uF 20% 6.3V
C136	1-163-224-11	s	CERAMIC, CHIP 7PF 0.25PF 50V
C137	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V
C138	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C139	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C146	1-126-391-11	s	ELECT 47uF 20% 6.3V
C148	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C150	1-126-391-11	s	ELECT 47uF 20% 6.3V
C151	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C153	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C154	1-163-224-11	s	CERAMIC, CHIP 7PF 0.25PF 50V
C163	1-126-391-11	s	ELECT 47uF 20% 6.3V
C164	1-126-391-11	s	ELECT 47uF 20% 6.3V
C221	1-126-391-11	s	ELECT 47uF 20% 6.3V
C222	1-126-391-11	s	ELECT 47uF 20% 6.3V
C227	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C231	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C232	1-126-391-11	s	ELECT 47uF 20% 6.3V
C233	1-163-224-11	s	CERAMIC, CHIP 7PF 0.25PF 50V
C234	1-135-177-21	s	TANTALUM, CHIP 1uF 10% 25V

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C235	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C236	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C238	1-163-099-00	s	CERAMIC, CHIP 18PF 5% 50V
C246	1-126-391-11	s	ELECT 47uF 20% 6.3V
C248	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C250	1-126-391-11	s	ELECT 47uF 20% 6.3V
C251	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C253	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C254	1-163-263-11	s	CERAMIC, CHIP 330PF 5% 50V
C256	1-163-249-11	s	CERAMIC, CHIP 82PF 5% 50V
C257	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
C268	1-126-391-11	s	ELECT 47uF 20% 6.3V
C269	1-126-391-11	s	ELECT 47uF 20% 6.3V
C342	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C344	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C345	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C346	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C347	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C349	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C351	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C352	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C359	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C360	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C362	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C363	1-163-099-00	s	CERAMIC, CHIP 18PF 5% 50V
C369	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C391	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
C393	1-126-391-11	s	ELECT 47uF 20% 6.3V
C395	1-126-391-11	s	ELECT 47uF 20% 6.3V
C398	1-135-166-21	s	TANTALUM, CHIP 47uF 10% 10V
C523	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C524	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C525	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C526	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C527	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C563	1-126-391-11	s	ELECT 47uF 20% 6.3V
C565	1-126-391-11	s	ELECT 47uF 20% 6.3V
C653	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C654	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C655	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C656	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C657	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C693	1-126-391-11	s	ELECT 47uF 20% 6.3V
C694	1-126-391-11	s	ELECT 47uF 20% 6.3V
C761	1-126-391-11	s	ELECT 47uF 20% 6.3V
C764	1-126-391-11	s	ELECT 47uF 20% 6.3V
C782	1-126-391-11	s	ELECT 47uF 20% 6.3V
C784	1-126-391-11	s	ELECT 47uF 20% 6.3V
C841	1-126-391-11	s	ELECT 47uF 20% 6.3V
C842	1-126-391-11	s	ELECT 47uF 20% 6.3V
C898	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V
C899	1-126-391-11	s	ELECT 47uF 20% 6.3V
C901	1-126-391-11	s	ELECT 47uF 20% 6.3V
C931	1-126-391-11	s	ELECT 47uF 20% 6.3V
C933	1-126-391-11	s	ELECT 47uF 20% 6.3V
C950	1-163-092-00	s	CERAMIC, CHIP 9PF 50V
C952	1-126-391-11	s	ELECT 47uF 20% 6.3V
C954	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1011	1-126-391-11	s	ELECT 47uF 20% 6.3V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1012	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1030	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1031	1-163-257-11	s	CERAMIC 180PF 5% 50V [for CCU-700AP(CE)]
C1032	1-163-092-00	s	CERAMIC, CHIP 9PF 50V
C1034	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1036	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1101	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1103	1-163-263-11	s	CERAMIC, CHIP 330PF 5% 50V
C1105	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1106	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1111	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1112	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1258	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1301	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C1303	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1304	1-163-253-11	s	CERAMIC 120PF 5% 50V
C1307	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C1310	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1312	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C1313	1-163-253-11	s	CERAMIC 120PF 5% 50V
C1314	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1361	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1363	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1364	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C1366	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C1368	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1369	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C1370	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C1371	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C1372	1-135-259-11	s	TANTALUM, CHIP 10uF 20% 6.3V
C1373	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1375	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1377	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C1378	1-135-155-21	s	TANTALUM, CHIP 4.7uF 10% 16V
C1379	1-135-202-21	s	TANTALUM, CHIP 22uF 20% 4V
C1380	1-135-202-21	s	TANTALUM, CHIP 22uF 20% 4V
C1381	1-135-202-21	s	TANTALUM, CHIP 22uF 20% 4V
C1382	1-135-202-21	s	TANTALUM, CHIP 22uF 20% 4V
C1383	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1385	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V [for CCU-700AP(CE)]
C1388	1-163-253-11	s	CERAMIC 120PF 5% 50V
C1389	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1390	1-135-159-21	s	TANTALUM, CHIP 10uF 10% 20V
C1393	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1397	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V [for CCU-700A(J), CCU-700A(UC)]
C1397	1-163-249-11	s	CERAMIC, CHIP 82PF 5% 50V [for CCU-700AP(CE)]
C1500	1-163-224-11	s	CERAMIC, CHIP 7PF 0.25PF 50V
C1501	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1502	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1505	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1516	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1519	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1522	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1523	1-126-391-11	s	ELECT 47uF 20% 6.3V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1524	1-163-231-11	s	CERAMIC, CHIP 15PF 5% 50V [for CCU-700A(J), CCU-700A(UC)]
C1524	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V [for CCU-700AP(CE)]
C1598	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1599	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1600	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1602	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1603	1-163-257-11	s	CERAMIC 180PF 5% 50V [for CCU-700AP(CE)]
C1606	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C1608	1-163-217-11	s	CERAMIC 1PF 0.25PF 50V
C1610	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C1612	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1614	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1616	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C1622	1-163-222-11	s	CERAMIC 5PF 0.25PF 50V
C1702	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1703	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1704	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1706	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1707	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C1708	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1709	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C1710	1-163-227-11	s	CERAMIC, CHIP 10PF 5% 50V
C1713	1-163-249-11	s	CERAMIC, CHIP 82PF 5% 50V
C1714	1-135-070-00	s	TANTALUM, CHIP 0.1uF 10% 35V
C1715	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1716	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1717	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1720	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V [for CCU-700AP(CE)]
C1783	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1784	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1785	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1788	1-163-253-11	s	CERAMIC 120PF 5% 50V
C1789	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1790	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C1792	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V
C1793	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1795	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1797	1-163-257-11	s	CERAMIC 180PF 5% 50V
C1798	1-163-127-00	s	CERAMIC, CHIP 270PF 5% 50V
C1801	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1802	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1803	1-163-135-00	s	CERAMIC, CHIP 560PF 5% 50V
C1804	1-163-275-11	s	CERAMIC 0.001uF 5% 50V [for CCU-700AP(CE)]
C1805	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1806	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1808	1-164-161-11	s	CERAMIC, CHIP 0.0022uF 10% 100V
C1809	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1811	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1813	1-163-099-00	s	CERAMIC, CHIP 18PF 5% 50V [for CCU-700A(J), CCU-700A(UC)]
C1813	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V [for CCU-700AP(CE)]

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C1814	1-163-253-11	s	CERAMIC 120PF 5% 50V [for CCU-700A(J), CCU-700A(UC)]
C1814	1-163-127-00	s	CERAMIC, CHIP 270PF 5% 50V [for CCU-700AP(CE)]
C1815	1-163-241-11	s	CERAMIC, CHIP 39PF 5% 50V
C1820	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1821	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C1822	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1890	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1892	1-135-125-21	s	TANTAL 33uF 20% 10V
C1893	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1894	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C1895	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1896	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1897	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1898	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1899	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1900	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1901	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1902	1-163-275-11	s	CERAMIC 0.001uF 5% 50V
C1903	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1904	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1905	1-135-145-11	s	TANTALUM, CHIP 0.47uF 10% 35V
C1906	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1908	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1909	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1910	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1913	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1916	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C1917	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C1961	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1964	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1966	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C1967	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1968	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
C1971	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1972	1-163-235-11	s	CERAMIC, CHIP 22PF 5% 50V
C1973	1-126-391-11	s	ELECT 47uF 20% 6.3V
C1975	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C1976	1-163-243-11	s	CERAMIC, CHIP 47PF 5% 50V
C1977	1-164-232-11	s	CERAMIC, CHIP 0.01uF 10% 50V
C2032	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2034	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2039	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2040	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2046	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2048	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2049	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2050	1-135-161-21	s	TANTALUM, CHIP 22uF 10% 10V
C2051	1-163-220-11	s	CERAMIC 3PF 0.25PF 50V [for CCU-700AP(CE)]
C2052	1-163-245-11	s	CERAMIC, CHIP 56PF 5% 50V
C2053	1-135-076-21	s	TANTALUM, CHIP 1uF 10% 35V
C2201	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2202	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2205	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V
C2206	1-135-216-11	s	TANTALUM, CHIP 10uF 20% 10V

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C2212	1-163-239-11	s	CERAMIC, CHIP 33PF 5% 50V [for CCU-700A(J), CCU-700A(UC)]
C2331	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2332	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2333	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2334	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2337	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2338	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2340	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C2342	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2344	1-126-391-11	s	ELECT 47uF 20% 6.3V
C2345	1-163-251-11	s	CERAMIC, CHIP 100PF 5% 50V
CN1	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CN2	1-774-668-11	o	CONNECTOR, BOARD TO BOARD 96P
CN3	1-562-783-11	o	CONNECTOR 18P
CP1891	1-567-084-00	s	OSCILLATOR, CRYSTAL 14.31818MHz [for CCU-700A(J), CCU-700A(UC)]
CP1891	1-567-654-11	s	OSCILLATOR, CRYSTAL 17.734475MHz [for CCU-700AP(CE)]
CP1892	1-760-267-11	s	VCO, CRYSTAL 14.3818MHz [for CCU-700A(J), CCU-700A(UC)]
CP1892	1-760-266-11	s	VCO, CRYSTAL 14.18750MHz [for CCU-700AP(CE)]
CV1501	1-141-311-11	s	CAP, VAR, TRIMMER [for CCU-700A(J), CCU-700A(UC)]
CV1501	1-141-373-11	s	CAP, CHIP TRIMMER [for CCU-700AP(CE)]
CV1602	1-141-311-11	s	CAP, VAR, TRIMMER
CV1603	1-141-311-11	s	CAP, VAR, TRIMMER
D1	8-719-801-78	s	DIODE 1SS184
D2	8-719-104-34	s	DIODE 1S2836
D3	8-719-104-34	s	DIODE 1S2836
D126	8-719-104-34	s	DIODE 1S2836
D127	8-719-104-34	s	DIODE 1S2836
D221	8-719-104-34	s	DIODE 1S2836
D341	8-719-801-78	s	DIODE 1SS184
D342	8-719-801-78	s	DIODE 1SS184
D343	8-719-801-78	s	DIODE 1SS184
D344	8-719-801-78	s	DIODE 1SS184
D521	8-719-801-78	s	DIODE 1SS184
D522	8-719-801-78	s	DIODE 1SS184
D651	8-719-104-34	s	DIODE 1S2836
D931	8-719-105-32	s	DIODE RD2.7M-B2
D932	8-719-105-32	s	DIODE RD2.7M-B2
D933	8-719-105-32	s	DIODE RD2.7M-B2
D935	8-719-105-32	s	DIODE RD2.7M-B2
D1011	8-719-105-32	s	DIODE RD2.7M-B2
D1012	8-719-105-32	s	DIODE RD2.7M-B2
D1013	8-719-105-32	s	DIODE RD2.7M-B2
D1015	8-719-105-32	s	DIODE RD2.7M-B2
D1101	8-719-104-34	s	DIODE 1S2836
D1102	8-719-104-34	s	DIODE 1S2836
D1103	8-719-801-78	s	DIODE 1SS184
D1104	8-719-800-76	s	DIODE 1SS226

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
D1301	8-719-801-78	s	DIODE 1SS184
D1302	8-719-801-78	s	DIODE 1SS184
D1304	8-719-104-34	s	DIODE 1S2836 [for CCU-700A(UC)]
D1361	8-719-002-81	s	DIODE 1T363
D1362	8-719-002-81	s	DIODE 1T363
D1501	8-713-100-38	s	DIODE 1T363A-04-T8A [for CCU-700AP(CE)]
D1502	8-719-801-78	s	DIODE 1SS184 [for CCU-700AP(CE)]
D1503	8-713-100-38	s	DIODE 1T363A-04-T8A [for CCU-700AP(CE)]
D1701	8-719-105-51	s	DIODE RD3.6M-B1
D1702	8-719-104-34	s	DIODE 1S2836
D1703	8-719-104-34	s	DIODE 1S2836
D1781	8-719-800-76	s	DIODE 1SS226
D1782	8-719-801-78	s	DIODE 1SS184
D1783	8-719-801-78	s	DIODE 1SS184
D1784	8-719-104-34	s	DIODE 1S2836
D1785	8-719-801-78	s	DIODE 1SS184
D1790	8-719-104-34	s	DIODE 1S2836
D1891	8-719-974-41	s	DIODE HLMP-6500-010
D2027	8-719-800-76	s	DIODE 1SS226
D2028	8-719-104-34	s	DIODE 1S2836
D2030	8-719-801-78	s	DIODE 1SS184
D2031	8-719-801-78	s	DIODE 1SS184
D2032	8-719-104-34	s	DIODE 1S2836
D2033	8-719-104-34	s	DIODE 1S2836
D2202	8-719-801-78	s	DIODE 1SS184
D2203	8-719-800-76	s	DIODE 1SS226
D2204	8-719-801-78	s	DIODE 1SS184
D2331	8-719-974-41	s	DIODE HLMP-6500-010
D2332	8-719-974-41	s	DIODE HLMP-6500-010
D2333	8-719-974-41	s	DIODE HLMP-6500-010
D2334	8-719-974-41	s	DIODE HLMP-6500-010
D2335	8-719-157-23	s	DIODE RD4.7M-B
D2336	8-719-157-23	s	DIODE RD4.7M-B
D2337	8-759-274-67	s	IC LM4040BIM3X-5.0
DL1501	1-415-710-11	s	DELAY LINE, Y (NTSC) [for CCU-700A(J), CCU-700A(UC)]
DL1501	1-415-711-11	s	DELAY LINE, Y (PAL) [for CCU-700AP(CE)]
E1	3-673-772-01	s	TERMINAL, TP
E2	3-673-772-01	s	TERMINAL, TP
E3	3-673-772-01	s	TERMINAL, TP
E4	3-673-772-01	s	TERMINAL, TP
E5	3-673-772-01	s	TERMINAL, TP
E6	3-673-772-01	s	TERMINAL, TP
E7	3-673-772-01	s	TERMINAL, TP
E8	3-673-772-01	s	TERMINAL, TP
E9	3-673-772-01	s	TERMINAL, TP
E10	3-673-772-01	s	TERMINAL, TP
F2331	⚠ 1-576-225-41	s	FUSE (H.B.C.)
F2332	⚠ 1-576-225-41	s	FUSE (H.B.C.)
FL1361	1-415-811-11	s	DELAY LINE (VISUAL SIGNAL) [for CCU-700A(J), CCU-700A(UC)]

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
FL1362	1-236-624-11	s	FILTER, LOW PASS (U/V) [for CCU-700AP(CE)]
FL1363	1-236-622-12	s	FILTER, LOW PASS (Q) [for CCU-700A(J), CCU-700A(UC)]
FL1363	1-236-624-11	s	FILTER, LOW PASS (U/V) [for CCU-700AP(CE)]
FL1364	1-235-161-00	s	FILTER, BAND PASS [for CCU-700A(J), CCU-700A(UC)]
FL1364	1-235-181-00	s	FILTER, BAND PASS [for CCU-700AP(CE)]
FL1961	1-235-572-11	s	FILTER, LOW PASS
IC1	8-759-011-65	s	IC MC74HC4053F
IC2	8-759-030-55	s	IC MC1496M
IC3	8-759-011-65	s	IC MC74HC4053F
IC4	8-759-906-53	s	IC TL062CPS
IC5	8-759-031-84	s	IC SC7S04F
IC6	8-759-635-27	s	IC M62352GP
IC7	8-759-238-51	s	IC TC74HC4051AF(EL)
IC8	8-759-035-93	s	IC TC7S32F
IC9	8-759-035-93	s	IC TC7S32F
IC10	8-759-906-53	s	IC TL062CPS
IC20	8-759-054-61	s	IC CLC505AJE
IC125	8-759-011-65	s	IC MC74HC4053F
IC126	8-759-011-65	s	IC MC74HC4053F
IC127	8-759-906-54	s	IC TL064CNS
IC128	8-759-030-55	s	IC MC1496M
IC135	8-759-906-53	s	IC TL062CPS
IC145	8-759-054-61	s	IC CLC505AJE
IC221	8-759-011-65	s	IC MC74HC4053F
IC222	8-759-011-65	s	IC MC74HC4053F
IC223	8-759-906-54	s	IC TL064CNS
IC224	8-759-030-55	s	IC MC1496M
IC230	8-759-906-53	s	IC TL062CPS
IC240	8-759-054-61	s	IC CLC505AJE
IC341	8-759-011-65	s	IC MC74HC4053F
IC342	8-759-030-49	s	IC MC1495M
IC343	8-759-906-53	s	IC TL062CPS
IC344	8-759-054-61	s	IC CLC505AJE
IC345	8-759-242-64	s	IC TC4W53F
IC346	8-759-030-49	s	IC MC1495M
IC347	8-759-242-64	s	IC TC4W53F
IC365	8-759-054-61	s	IC CLC505AJE
IC521	8-759-011-65	s	IC MC74HC4053F
IC522	8-759-030-49	s	IC MC1495M
IC523	8-759-242-64	s	IC TC4W53F
IC540	8-759-054-61	s	IC CLC505AJE
IC651	8-759-011-65	s	IC MC74HC4053F
IC652	8-759-030-49	s	IC MC1495M
IC653	8-759-242-64	s	IC TC4W53F
IC670	8-759-054-61	s	IC CLC505AJE
IC761	8-759-054-61	s	IC CLC505AJE
IC762	8-759-238-51	s	IC TC74HC4051AF(EL)
IC860	8-759-054-61	s	IC CLC505AJE
IC950	8-759-054-61	s	IC CLC505AJE
IC951	8-759-242-64	s	IC TC4W53F
IC952	8-759-242-64	s	IC TC4W53F

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC1030	8-759-011-65	s	IC MC74HC4053F
IC1031	8-759-054-61	s	IC CLC505AJE
IC1101	8-759-009-82	s	IC MC14011BF-T2
IC1102	8-759-160-19	s	IC CXD8826Q
IC1103	8-759-009-82	s	IC MC14011BF-T2
IC1104	8-759-160-19	s	IC CXD8826Q
IC1105	8-759-745-64	s	IC NJM4560M
IC1301	8-759-239-58	s	IC TC74HC221AF
IC1302	8-759-927-46	s	IC SN74HC00ANS
IC1303	8-759-234-20	s	IC TC7S08F
IC1361	8-759-030-55	s	IC MC1496M
IC1362	8-759-168-19	s	IC TA78L09F-T1
IC1363	8-759-906-59	s	IC CX22017
IC1501	8-759-030-55	s	IC MC1496M
IC1502	8-759-242-64	s	IC TC4W53F [for CCU-700AP(CE)]
IC1503	8-759-054-61	s	IC CLC505AJE
IC1504	8-759-242-64	s	IC TC4W53F [for CCU-700AP(CE)]
IC1601	8-759-054-61	s	IC CLC505AJE
IC1602	8-759-054-61	s	IC CLC505AJE
IC1603	8-759-054-61	s	IC CLC505AJE
IC1604	8-759-054-61	s	IC CLC505AJE
IC1605	8-759-054-61	s	IC CLC505AJE
IC1606	8-759-238-51	s	IC TC74HC4051AF(EL)
IC1607	8-759-635-27	s	IC M62352GP
IC1701	8-759-101-12	s	IC UPC311G2
IC1781	8-759-907-81	s	IC SN74LS221NS
IC1782	8-759-906-53	s	IC TL062CPS
IC1783	8-759-925-74	s	IC SN74HC04ANS-E20
IC1784	8-759-239-58	s	IC TC74HC221AF
IC1785	8-759-927-46	s	IC SN74HC00ANS
IC1786	8-759-927-46	s	IC SN74HC00ANS
IC1787	8-759-927-46	s	IC SN74HC00ANS
IC1788	8-759-239-58	s	IC TC74HC221AF
IC1789	8-759-239-58	s	IC TC74HC221AF
IC1790	8-759-009-46	s	IC MC14528BF
IC1791	8-759-925-74	s	IC SN74HC04ANS-E20
IC1792	8-759-082-57	s	IC TC7W04FU
IC1795	8-759-925-74	s	IC SN74HC04ANS-E20
IC1796	8-759-927-46	s	IC SN74HC00ANS
IC1891	8-752-335-47	s	IC CXD1216M
IC1892	8-759-300-71	s	IC MC14053BF
IC1893	8-759-970-59	s	IC TLC272CPS
IC1894	8-752-335-47	s	IC CXD1216M
IC1895	8-759-926-19	s	IC SN74HC158ANS
IC1896	8-759-239-58	s	IC TC74HC221AF
IC1897	8-752-332-67	s	IC CXD1217M
IC1898	8-759-907-21	s	IC CX7969
IC1900	8-759-062-66	s	IC TC7S66F
IC1960	8-759-635-27	s	IC M62352GP
IC1961	8-759-300-71	s	IC MC14053BF
IC1962	8-759-300-71	s	IC MC14053BF
IC1963	8-759-007-80	s	IC MC74HC175F
IC1964	8-759-926-17	s	IC SN74HC153ANS
IC1965	8-759-902-88	s	IC SN74LS123NS
IC1966	8-759-906-54	s	IC TL064CNS
IC2031	8-759-009-82	s	IC MC14011BF-T2
IC2032	8-759-008-98	s	IC MC14040BF
IC2033	8-759-911-77	s	IC CX7968A
IC2034	8-759-908-92	s	IC TL084CNS

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Ref. No. or Q'ty	Part No.	SP	Description
IC2035	8-759-925-76	s	IC SN74HC08ANS
IC2036	8-759-925-76	s	IC SN74HC08ANS
IC2037	8-759-908-92	s	IC TL084CNS
IC2038	8-759-054-61	s	IC CLC505AJE
IC2201	8-759-054-61	s	IC CLC505AJE
IC2202	8-759-054-61	s	IC CLC505AJE
IC2204	8-759-981-48	s	IC TL082M
IC2205	8-759-062-66	s	IC TC7S66F
IC2206	8-759-236-51	s	IC TC74HC165AF(EL)
IC2207	8-759-009-04	s	IC MC14050BF
IC2208	8-759-147-84	s	IC CXD8072Q
IC2209	8-759-054-61	s	IC CLC505AJE
IC2210	8-759-242-64	s	IC TC4W53F
IC2211	8-759-925-76	s	IC SN74HC08ANS
IC2331	8-759-906-53	s	IC TL062CPS
L1	1-412-030-11	s	INDUCTOR CHIP 22uH
L2	1-412-030-11	s	INDUCTOR CHIP 22uH
L10	1-412-030-11	s	INDUCTOR CHIP 22uH
L11	1-412-030-11	s	INDUCTOR CHIP 22uH
L20	1-412-030-11	s	INDUCTOR CHIP 22uH
L21	1-412-030-11	s	INDUCTOR CHIP 22uH
L125	1-412-030-11	s	INDUCTOR CHIP 22uH
L126	1-412-030-11	s	INDUCTOR CHIP 22uH
L127	1-408-781-00	s	INDUCTOR CHIP 22uH
L135	1-412-030-11	s	INDUCTOR CHIP 22uH
L136	1-412-030-11	s	INDUCTOR CHIP 22uH
L221	1-412-030-11	s	INDUCTOR CHIP 22uH
L222	1-412-030-11	s	INDUCTOR CHIP 22uH
L223	1-408-781-00	s	INDUCTOR CHIP 22uH
L224	1-408-794-00	s	INDUCTOR CHIP 270uH
L230	1-412-030-11	s	INDUCTOR CHIP 22uH
L231	1-412-030-11	s	INDUCTOR CHIP 22uH
L341	1-412-030-11	s	INDUCTOR CHIP 22uH
L342	1-412-030-11	s	INDUCTOR CHIP 22uH
L350	1-412-030-11	s	INDUCTOR CHIP 22uH
L351	1-412-030-11	s	INDUCTOR CHIP 22uH
L521	1-412-030-11	s	INDUCTOR CHIP 22uH
L522	1-412-030-11	s	INDUCTOR CHIP 22uH
L530	1-412-030-11	s	INDUCTOR CHIP 22uH
L531	1-412-030-11	s	INDUCTOR CHIP 22uH
L651	1-412-030-11	s	INDUCTOR CHIP 22uH
L652	1-412-030-11	s	INDUCTOR CHIP 22uH
L660	1-412-030-11	s	INDUCTOR CHIP 22uH
L661	1-412-030-11	s	INDUCTOR CHIP 22uH
L761	1-412-030-11	s	INDUCTOR CHIP 22uH
L762	1-412-030-11	s	INDUCTOR CHIP 22uH
L770	1-412-030-11	s	INDUCTOR CHIP 22uH
L771	1-412-030-11	s	INDUCTOR CHIP 22uH
L841	1-412-030-11	s	INDUCTOR CHIP 22uH
L842	1-412-030-11	s	INDUCTOR CHIP 22uH
L850	1-412-030-11	s	INDUCTOR CHIP 22uH
L851	1-412-030-11	s	INDUCTOR CHIP 22uH
L931	1-412-030-11	s	INDUCTOR CHIP 22uH
L932	1-412-030-11	s	INDUCTOR CHIP 22uH
L940	1-412-030-11	s	INDUCTOR CHIP 22uH
L941	1-412-030-11	s	INDUCTOR CHIP 22uH
L1011	1-412-030-11	s	INDUCTOR CHIP 22uH
L1012	1-412-030-11	s	INDUCTOR CHIP 22uH
L1020	1-412-030-11	s	INDUCTOR CHIP 22uH

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
L1021	1-412-030-11	s	INDUCTOR CHIP 22uH
L1101	1-412-030-11	s	INDUCTOR CHIP 22uH
L1102	1-412-030-11	s	INDUCTOR CHIP 22uH
L1301	1-412-030-11	s	INDUCTOR CHIP 22uH
L1302	1-412-030-11	s	INDUCTOR CHIP 22uH
L1303	1-408-794-00	s	INDUCTOR CHIP 270uH
L1361	1-412-030-11	s	INDUCTOR CHIP 22uH
L1362	1-412-030-11	s	INDUCTOR CHIP 22uH
L1363	1-412-030-11	s	INDUCTOR CHIP 22uH
L1364	1-412-030-11	s	INDUCTOR CHIP 22uH
L1365	1-408-794-00	s	INDUCTOR CHIP 270uH
L1501	1-412-030-11	s	INDUCTOR CHIP 22uH
L1502	1-412-030-11	s	INDUCTOR CHIP 22uH
L1503	1-408-779-31	s	INDUCTOR CHIP 15uH [for CCU-700AP(CE)]
L1504	1-412-030-11	s	INDUCTOR CHIP 22uH
L1505	1-412-030-11	s	INDUCTOR CHIP 22uH
L1506	1-412-030-11	s	INDUCTOR CHIP 22uH
L1507	1-412-030-11	s	INDUCTOR CHIP 22uH
L1601	1-412-030-11	s	INDUCTOR CHIP 22uH
L1602	1-412-030-11	s	INDUCTOR CHIP 22uH
L1603	1-412-030-11	s	INDUCTOR CHIP 22uH
L1604	1-412-030-11	s	INDUCTOR CHIP 22uH
L1701	1-412-030-11	s	INDUCTOR CHIP 22uH
L1702	1-412-030-11	s	INDUCTOR CHIP 22uH
L1703	1-408-791-00	s	INDUCTOR CHIP 150uH
L1704	1-408-781-00	s	INDUCTOR CHIP 22uH
L1781	1-412-030-11	s	INDUCTOR CHIP 22uH
L1782	1-412-030-11	s	INDUCTOR CHIP 22uH
L1783	1-412-030-11	s	INDUCTOR CHIP 22uH
L1784	1-408-791-00	s	INDUCTOR CHIP 150uH
L1785	1-408-794-00	s	INDUCTOR CHIP 270uH [for CCU-700A(J), CCU-700A(UC)]
L1785	1-408-797-11	s	INDUCTOR CHIP 470uH [for CCU-700AP(CE)]
L1891	1-412-030-11	s	INDUCTOR CHIP 22uH
L1892	1-412-030-11	s	INDUCTOR CHIP 22uH
L1893	1-412-030-11	s	INDUCTOR CHIP 22uH
L1894	1-412-030-11	s	INDUCTOR CHIP 22uH
L1895	1-412-030-11	s	INDUCTOR CHIP 22uH
L1961	1-412-030-11	s	INDUCTOR CHIP 22uH
L1962	1-412-030-11	s	INDUCTOR CHIP 22uH
L1963	1-412-030-11	s	INDUCTOR CHIP 22uH
L1964	1-412-030-11	s	INDUCTOR CHIP 22uH
L2031	1-412-030-11	s	INDUCTOR CHIP 22uH
L2032	1-412-030-11	s	INDUCTOR CHIP 22uH
L2033	1-412-030-11	s	INDUCTOR CHIP 22uH
L2034	1-408-781-00	s	INDUCTOR CHIP 22uH
L2201	1-412-030-11	s	INDUCTOR CHIP 22uH
L2202	1-412-030-11	s	INDUCTOR CHIP 22uH
L2203	1-408-797-11	s	INDUCTOR CHIP 470uH [for CCU-700A(J), CCU-700A(UC)]
L2331	1-414-529-21	s	INDUCTOR(POWER) 100uH
L2332	1-414-529-21	s	INDUCTOR(POWER) 100uH
LV1011	1-408-844-00	s	INDUCTOR, VAR, 22uH [for CCU-700A(J), CCU-700A(UC)]

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
LV1011	1-408-845-00	s	VARIABLE INDUCTOR 100uH [for CCU-700AP(CE)]
LV1361	1-408-844-00	s	INDUCTOR, VAR, 22uH
LV1601	1-408-844-00	s	INDUCTOR, VAR, 22uH [for CCU-700A(J), CCU-700A(UC)]
LV1601	1-408-845-00	s	VARIABLE INDUCTOR 100uH [for CCU-700AP(CE)]
Q1	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q3	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q4	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q6	8-729-122-63	s	TRANSISTOR 2SA1226
Q7	8-729-122-63	s	TRANSISTOR 2SA1226
Q8	8-729-216-22	s	TRANSISTOR 2SA1162
Q9	8-729-216-22	s	TRANSISTOR 2SA1162
Q10	8-729-175-73	s	TRANSISTOR 2SC2757
Q11	8-729-216-22	s	TRANSISTOR 2SA1162
Q12	8-729-216-22	s	TRANSISTOR 2SA1162
Q13	8-729-175-73	s	TRANSISTOR 2SC2757
Q14	8-729-216-22	s	TRANSISTOR 2SA1162
Q16	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q20	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q21	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q22	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q23	8-729-216-22	s	TRANSISTOR 2SA1162
Q24	8-729-216-22	s	TRANSISTOR 2SA1162
Q25	8-729-421-71	s	TRANSISTOR 2SK620
Q30	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q125	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q126	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q128	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q129	8-729-216-22	s	TRANSISTOR 2SA1162
Q130	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q131	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q132	8-729-122-63	s	TRANSISTOR 2SA1226
Q135	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q136	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q137	8-729-216-22	s	TRANSISTOR 2SA1162
Q138	8-729-216-22	s	TRANSISTOR 2SA1162
Q139	8-729-421-71	s	TRANSISTOR 2SK620
Q145	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q222	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q225	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q226	8-729-216-22	s	TRANSISTOR 2SA1162
Q227	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q228	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q229	8-729-122-63	s	TRANSISTOR 2SA1226
Q230	8-729-216-22	s	TRANSISTOR 2SA1162
Q231	8-729-403-29	s	TRANSISTOR XN6435
Q232	8-729-403-32	s	TRANSISTOR XN6534
Q240	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q241	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q242	8-729-216-22	s	TRANSISTOR 2SA1162
Q243	8-729-216-22	s	TRANSISTOR 2SA1162
Q244	8-729-421-71	s	TRANSISTOR 2SK620
Q245	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q246	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q250	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q341	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q342	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q343	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q344	8-729-216-22	s	TRANSISTOR 2SA1162
Q345	8-729-216-22	s	TRANSISTOR 2SA1162
Q346	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q347	8-729-216-22	s	TRANSISTOR 2SA1162
Q348	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q350	8-729-216-22	s	TRANSISTOR 2SA1162
Q351	8-729-216-22	s	TRANSISTOR 2SA1162
Q352	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q353	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q354	8-729-109-44	s	TRANSISTOR 2SK94
Q355	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q356	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q357	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q358	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q359	8-729-122-63	s	TRANSISTOR 2SA1226
Q360	8-729-122-63	s	TRANSISTOR 2SA1226
Q361	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q362	8-729-122-63	s	TRANSISTOR 2SA1226
Q363	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q364	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q365	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q366	8-729-122-63	s	TRANSISTOR 2SA1226
Q367	8-729-216-22	s	TRANSISTOR 2SA1162
Q368	8-729-122-63	s	TRANSISTOR 2SA1226
Q385	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q386	8-729-216-22	s	TRANSISTOR 2SA1162
Q387	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q521	8-729-122-63	s	TRANSISTOR 2SA1226
Q522	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q523	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q524	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q525	8-729-216-22	s	TRANSISTOR 2SA1162
Q526	8-729-122-63	s	TRANSISTOR 2SA1226
Q527	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q528	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q529	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q530	8-729-122-63	s	TRANSISTOR 2SA1226
Q532	8-729-216-22	s	TRANSISTOR 2SA1162
Q550	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q551	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q552	8-729-216-22	s	TRANSISTOR 2SA1162
Q651	8-729-122-63	s	TRANSISTOR 2SA1226
Q652	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q653	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q654	8-729-216-22	s	TRANSISTOR 2SA1162
Q655	8-729-122-63	s	TRANSISTOR 2SA1226
Q656	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q657	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q658	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q659	8-729-122-63	s	TRANSISTOR 2SA1226
Q661	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q662	8-729-216-22	s	TRANSISTOR 2SA1162
Q680	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q681	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q682	8-729-216-22	s	TRANSISTOR 2SA1162
Q763	8-729-216-22	s	TRANSISTOR 2SA1162

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Ref. No. or Q'ty	Part No.	SP	Description
Q764	8-729-216-22	s	TRANSISTOR 2SA1162
Q765	8-729-216-22	s	TRANSISTOR 2SA1162
Q766	8-729-216-22	s	TRANSISTOR 2SA1162
Q767	8-729-216-22	s	TRANSISTOR 2SA1162
Q768	8-729-216-22	s	TRANSISTOR 2SA1162
Q769	8-729-216-22	s	TRANSISTOR 2SA1162
Q770	8-729-216-22	s	TRANSISTOR 2SA1162
Q772	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q773	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q774	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q775	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q780	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q781	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q841	8-729-216-22	s	TRANSISTOR 2SA1162
Q843	8-729-216-22	s	TRANSISTOR 2SA1162
Q845	8-729-216-22	s	TRANSISTOR 2SA1162
Q849	8-729-216-22	s	TRANSISTOR 2SA1162
Q853	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q855	8-729-216-22	s	TRANSISTOR 2SA1162
Q856	8-729-216-22	s	TRANSISTOR 2SA1162
Q857	8-729-216-22	s	TRANSISTOR 2SA1162
Q859	8-729-216-22	s	TRANSISTOR 2SA1162
Q862	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q863	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q864	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q868	8-729-216-22	s	TRANSISTOR 2SA1162
Q869	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q870	8-729-216-22	s	TRANSISTOR 2SA1162
Q871	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q872	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q873	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q931	8-729-216-22	s	TRANSISTOR 2SA1162
Q932	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q933	8-729-216-22	s	TRANSISTOR 2SA1162
Q934	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q935	8-729-216-22	s	TRANSISTOR 2SA1162
Q936	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q939	8-729-216-22	s	TRANSISTOR 2SA1162
Q940	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q941	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q942	8-729-216-22	s	TRANSISTOR 2SA1162
Q943	8-729-216-22	s	TRANSISTOR 2SA1162
Q944	8-729-216-22	s	TRANSISTOR 2SA1162
Q945	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q946	8-729-216-22	s	TRANSISTOR 2SA1162
Q947	8-729-216-22	s	TRANSISTOR 2SA1162
Q948	8-729-216-22	s	TRANSISTOR 2SA1162
Q949	8-729-216-22	s	TRANSISTOR 2SA1162
Q951	8-729-216-22	s	TRANSISTOR 2SA1162
Q1011	8-729-216-22	s	TRANSISTOR 2SA1162
Q1012	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q1013	8-729-216-22	s	TRANSISTOR 2SA1162
Q1014	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q1015	8-729-216-22	s	TRANSISTOR 2SA1162
Q1016	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q1019	8-729-216-22	s	TRANSISTOR 2SA1162
Q1020	8-729-821-88	s	TRANSISTOR 2SK1332-3
Q1021	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q1022	8-729-216-22	s	TRANSISTOR 2SA1162

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
Q1023	8-729-216-22	s	TRANSISTOR 2SA1162
Q1024	8-729-216-22	s	TRANSISTOR 2SA1162
Q1026	8-729-216-22	s	TRANSISTOR 2SA1162
Q1030	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1031	8-729-216-22	s	TRANSISTOR 2SA1162
Q1032	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1101	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1102	8-729-216-22	s	TRANSISTOR 2SA1162
Q1103	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1104	8-729-216-22	s	TRANSISTOR 2SA1162
Q1105	8-729-216-22	s	TRANSISTOR 2SA1162
Q1301	8-729-216-22	s	TRANSISTOR 2SA1162
Q1302	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1303	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1304	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1305	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1306	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1307	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1308	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1361	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q1362	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1363	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q1364	8-729-122-63	s	TRANSISTOR 2SA1226
Q1365	8-729-122-63	s	TRANSISTOR 2SA1226
Q1366	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1367	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1368	8-729-122-63	s	TRANSISTOR 2SA1226
Q1369	8-729-122-63	s	TRANSISTOR 2SA1226
Q1370	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1371	8-729-122-63	s	TRANSISTOR 2SA1226
Q1372	8-729-122-63	s	TRANSISTOR 2SA1226
Q1373	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q1374	8-729-101-25	s	TRANSISTOR 2SC1009A-FA4
Q1375	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1376	8-729-122-63	s	TRANSISTOR 2SA1226
Q1377	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1378	8-729-216-22	s	TRANSISTOR 2SA1162
Q1501	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1502	8-729-122-63	s	TRANSISTOR 2SA1226
Q1503	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6 [for CCU-700AP(CE)]
Q1504	8-729-122-63	s	TRANSISTOR 2SA1226
Q1505	8-729-116-64	s	TRANSISTOR 2SK508-K51 [for CCU-700AP(CE)]
Q1514	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6 [for CCU-700A(UC)]
Q1515	8-729-216-22	s	TRANSISTOR 2SA1162
Q1516	8-729-216-22	s	TRANSISTOR 2SA1162
Q1517	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1518	8-729-216-22	s	TRANSISTOR 2SA1162 [for CCU-700AP(CE)]
Q1603	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1604	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1605	8-729-216-22	s	TRANSISTOR 2SA1162
Q1606	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1607	8-729-216-22	s	TRANSISTOR 2SA1162
Q1608	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1609	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q1610	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1611	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1701	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1702	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1703	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1704	8-729-122-63	s	TRANSISTOR 2SA1226
Q1705	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1706	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1707	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1708	8-729-122-63	s	TRANSISTOR 2SA1226
Q1709	8-729-122-63	s	TRANSISTOR 2SA1226
Q1710	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1711	8-729-122-63	s	TRANSISTOR 2SA1226
Q1712	8-729-175-73	s	TRANSISTOR 2SC2757
Q1713	8-729-175-73	s	TRANSISTOR 2SC2757
Q1714	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1781	8-729-216-22	s	TRANSISTOR 2SA1162
Q1782	8-729-216-22	s	TRANSISTOR 2SA1162
Q1783	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1784	8-729-216-22	s	TRANSISTOR 2SA1162
Q1785	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1891	8-729-109-44	s	TRANSISTOR 2SK94
Q1892	8-729-109-44	s	TRANSISTOR 2SK94
Q1893	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1894	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1961	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q1962	8-729-216-22	s	TRANSISTOR 2SA1162
Q2031	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2032	8-729-216-22	s	TRANSISTOR 2SA1162
Q2033	8-729-122-63	s	TRANSISTOR 2SA1226
Q2034	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2035	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2036	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2037	8-729-216-22	s	TRANSISTOR 2SA1162
Q2038	8-729-216-22	s	TRANSISTOR 2SA1162
Q2039	8-729-122-63	s	TRANSISTOR 2SA1226
Q2040	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2041	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2042	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2043	8-729-216-22	s	TRANSISTOR 2SA1162
Q2044	8-729-216-22	s	TRANSISTOR 2SA1162
Q2045	8-729-122-63	s	TRANSISTOR 2SA1226
Q2046	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2201	8-729-216-22	s	TRANSISTOR 2SA1162
Q2202	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2203	8-729-216-22	s	TRANSISTOR 2SA1162
Q2204	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2205	8-729-216-22	s	TRANSISTOR 2SA1162
Q2206	8-729-216-22	s	TRANSISTOR 2SA1162
Q2207	8-729-216-22	s	TRANSISTOR 2SA1162
Q2208	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2331	8-729-101-07	s	TRANSISTOR 2SB798
Q2332	8-729-807-51	s	TRANSISTOR 2SD1623-S
Q2333	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q2334	8-729-216-22	s	TRANSISTOR 2SA1162
Q2335	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R5	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R17	1-216-690-11	s	METAL 43K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R19	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R20	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R21	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R22	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R24	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R25	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R28	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R30	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R31	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R32	1-218-762-11	s	METAL, CHIP 270K 0.50% 1/10W
R38	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R41	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R44	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R46	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R47	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R47	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700AP(CE)]
R56	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R57	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R66	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R74	1-216-634-11	s	METAL, CHIP 200 0.50% 1/10W
R75	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R79	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R81	1-216-047-91	s	METAL, CHIP 820 5% 1/10W
R82	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R84	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R85	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R86	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R88	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R90	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R91	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R93	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R94	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R104	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R113	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R113	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W [for CCU-700AP(CE)]
R119	1-216-624-11	s	METAL 75 0.50% 1/10W
R123	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R137	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R138	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R141	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R143	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R144	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R146	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R149	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R151	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R152	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R155	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R156	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R157	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R158	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R159	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R163	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R167	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R170	1-216-638-11	s	METAL 300 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R174	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R177	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R178	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R179	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R181	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R182	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R183	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R192	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R193	1-218-761-11	s	METAL 240K 0.50% 1/10W
R198	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R198	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W [for CCU-700AP(CE)]
R204	1-216-624-11	s	METAL 75 0.50% 1/10W
R220	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R222	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R230	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R232	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R235	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R236	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R239	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R241	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R242	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R243	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R244	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R247	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R249	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R250	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R253	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R254	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R255	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R256	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R257	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R261	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R269	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R271	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R274	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R278	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R281	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R283	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R284	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W
R286	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R287	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R288	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R291	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R295	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R301	1-218-761-11	s	METAL 240K 0.50% 1/10W
R308	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R308	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W [for CCU-700AP(CE)]
R310	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R314	1-216-624-11	s	METAL 75 0.50% 1/10W
R342	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R343	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R346	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R350	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R358	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R360	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R361	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R363	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R365	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R368	1-216-662-11	s	METAL 3K 0.50% 1/10W
R369	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R370	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R371	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R372	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R378	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R380	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R388	1-216-648-11	s	METAL, CHIP 750 0.50% 1/10W
R390	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R394	1-216-646-11	s	METAL, CHIP 620 0.5% 1/10W
R395	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R397	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R398	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R399	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R400	1-216-632-11	s	METAL, CHIP 160 0.5% 1/10W
R401	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R402	1-216-641-11	s	METAL, CHIP 390 0.5% 1/10W
R403	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W
R404	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R405	1-218-764-11	s	METAL, CHIP 330K 0.50% 1/10W
R407	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R410	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R411	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R418	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R419	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R421	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R422	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R423	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R424	1-208-767-11	s	METAL, CHIP 240 0.50% 1/10W
R425	1-208-785-11	s	METAL, CHIP 1.3K 0.50% 1/10W
R426	1-216-638-11	s	METAL 300 0.50% 1/10W
R427	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R429	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R435	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R438	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R486	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W [for CCU-700A(UC)]
R487	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R489	1-216-660-11	s	METAL 2.4K 0.50% 1/10W [for CCU-700A(J)]
R489	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W [for CCU-700A(UC)]
R489	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W [for CCU-700AP(CE)]
R492	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R496	1-216-624-11	s	METAL 75 0.50% 1/10W
R502	1-218-765-11	s	METAL, CHIP 360K 0.50% 1/10W
R505	1-216-047-91	s	METAL, CHIP 820 5% 1/10W
R507	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W [for CCU-700A(J), CCU-700AP(CE)]
R507	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W [for CCU-700A(UC)]
R508	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R532	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R533	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R538	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R541	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R542	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R543	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R544	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R546	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R547	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R548	1-216-641-11	s	METAL, CHIP 390 0.5% 1/10W
R549	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R550	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R551	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R553	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R555	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R556	1-216-690-11	s	METAL 43K 0.50% 1/10W
R570	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R571	1-218-773-11	s	CHIP, METAL 750K 0.50% 1/10W
R572	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R624	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W [for CCU-700A(J)]
R624	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W [for CCU-700A(UC)]
R624	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700AP(CE)]
R626	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R630	1-216-624-11	s	METAL 75 0.50% 1/10W
R662	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R665	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R666	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R667	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R668	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R670	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R671	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R672	1-216-641-11	s	METAL, CHIP 390 0.5% 1/10W
R673	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R674	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R675	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R677	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R678	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R679	1-216-690-11	s	METAL 43K 0.50% 1/10W
R697	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R698	1-218-773-11	s	CHIP, METAL 750K 0.50% 1/10W
R699	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R734	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W [for CCU-700A(J)]
R734	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W [for CCU-700A(UC)]
R734	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700AP(CE)]
R736	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R740	1-216-624-11	s	METAL 75 0.50% 1/10W
R766	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R767	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R770	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R771	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R774	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R775	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R778	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R802	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R802	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W [for CCU-700AP(CE)]
R804	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R808	1-216-624-11	s	METAL 75 0.50% 1/10W
R810	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R812	1-216-696-11	s	METAL 75K 0.50% 1/10W
R842	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R846	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R850	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R858	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R873	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R875	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R877	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R881	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R898	1-216-656-11	s	METAL 1.6K 0.50% 1/10W
R900	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R904	1-216-624-11	s	METAL 75 0.50% 1/10W
R910	1-216-697-91	s	METAL, CHIP 82K 0.50% 1/10W
R932	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R936	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R940	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R941	1-216-645-11	s	METAL 560 0.50% 1/10W
R949	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R952	1-216-645-11	s	METAL 560 0.50% 1/10W
R953	1-216-645-11	s	METAL 560 0.50% 1/10W
R955	1-216-645-11	s	METAL 560 0.50% 1/10W
R957	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R959	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R961	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R965	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R972	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R973	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R974	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W
R976	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R980	1-216-624-11	s	METAL 75 0.50% 1/10W
R983	1-216-089-91	s	METAL 47K 5% 1/10W
R987	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R988	1-216-089-91	s	METAL 47K 5% 1/10W
R990	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1012	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R1016	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1020	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R1021	1-216-645-11	s	METAL 560 0.50% 1/10W
R1029	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1032	1-216-645-11	s	METAL 560 0.50% 1/10W
R1033	1-216-645-11	s	METAL 560 0.50% 1/10W
R1035	1-216-645-11	s	METAL 560 0.50% 1/10W
R1037	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1039	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1041	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1045	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1052	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1052	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W [for CCU-700AP(CE)]

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1053	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W [for CCU-700AP(CE)]
R1054	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1054	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W [for CCU-700AP(CE)]
R1060	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R1061	1-216-656-11	s	METAL 1.6K 0.50% 1/10W
R1063	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1067	1-216-624-11	s	METAL 75 0.50% 1/10W
R1105	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1106	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1107	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1109	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1110	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1111	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1112	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1118	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1119	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1120	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1121	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1122	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1123	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1124	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1125	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R1128	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R1129	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R1130	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W
R1131	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R1138	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R1140	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R1301	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1302	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R1310	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1313	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W [for CCU-700A(J)]
R1313	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700A(UC)]
R1313	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W [for CCU-700AP(CE)]
R1315	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R1317	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R1318	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R1319	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1320	1-208-811-11	s	METAL 16K 0.50% 1/10W
R1321	1-216-688-11	s	METAL, CHIP 36K 0.50% 1/10W
R1324	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W [for CCU-700A(J), CCU-700AP(CE)]
R1324	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W [for CCU-700A(UC)]
R1325	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W [for CCU-700A(UC)]
R1360	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R1362	1-216-687-11	s	METAL, CHIP 33K 0.5% 1/10W
R1363	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1364	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R1365	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R1370	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1371	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R1372	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1372	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1373	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1373	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W [for CCU-700AP(CE)]
R1374	1-218-769-11	s	METAL 510K 0.50% 1/10W
R1380	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1380	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W [for CCU-700AP(CE)]
R1381	1-216-676-11	s	METAL, CHIP 11K 0.50% 1/10W
R1382	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W
R1383	1-208-774-11	s	METAL, CHIP 470 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1383	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W [for CCU-700AP(CE)]
R1384	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1385	1-208-771-11	s	METAL, CHIP 360 0.50% 1/10W
R1388	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R1389	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1389	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W [for CCU-700AP(CE)]
R1390	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1390	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1392	1-216-089-91	s	METAL 47K 5% 1/10W
R1394	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1395	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1406	1-216-645-11	s	METAL 560 0.50% 1/10W
R1407	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R1410	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R1412	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1415	1-208-824-11	s	METAL, CHIP 56K 0.50% 1/10W
R1416	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1420	1-216-017-91	s	METAL, CHIP 47 5% 1/10W
R1421	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1422	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1424	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R1425	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R1426	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R1428	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R1430	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1431	1-216-649-11	s	METAL, CHIP 820 0.50% 1/10W
R1436	1-208-811-11	s	METAL 16K 0.50% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1438	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1438	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W [for CCU-700AP(CE)]
R1443	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1443	1-216-642-11	s	METAL, CHIP 430 0.5% 1/10W [for CCU-700AP(CE)]
R1501	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1505	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W
R1513	1-216-645-11	s	METAL 560 0.50% 1/10W
R1517	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1517	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W [for CCU-700AP(CE)]
R1519	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1520	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1521	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1523	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1524	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W [for CCU-700AP(CE)]
R1539	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W [for CCU-700AP(CE)]
R1541	1-216-656-11	s	METAL 1.6K 0.50% 1/10W
R1542	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1544	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W [for CCU-700A(UC)]
R1547	1-216-656-11	s	METAL 1.6K 0.50% 1/10W [for CCU-700A(J)]
R1547	1-208-789-11	s	METAL, CHIP 2K 0.50% 1/10W [for CCU-700A(UC)]
R1547	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700AP(CE)]
R1550	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R1553	1-216-638-11	s	METAL 300 0.50% 1/10W
R1554	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R1556	1-216-638-11	s	METAL 300 0.50% 1/10W
R1559	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R1598	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R1607	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1607	1-216-652-11	s	METAL, CHIP 1.1K 0.5% 1/10W [for CCU-700AP(CE)]
R1609	1-208-822-11	s	METAL, CHIP 47K 0.50% 1/10W
R1610	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W [for CCU-700AP(CE)]

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Ref. No. or Q'ty	Part No.	SP	Description
R1611	1-208-775-11	s	METAL, CHIP 510 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1611	1-216-650-11	s	METAL, CHIP 910 0.50% 1/10W [for CCU-700AP(CE)]
R1613	1-208-817-11	s	METAL, CHIP 30K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1613	1-216-685-11	s	METAL, CHIP 27K 0.5% 1/10W [for CCU-700AP(CE)]
R1616	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R1617	1-216-656-11	s	METAL 1.6K 0.50% 1/10W [for CCU-700A(J), CCU-700AP(CE)]
R1617	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W [for CCU-700A(UC)]
R1619	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R1620	1-218-754-11	s	METAL 120K 0.50% 1/10W
R1622	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R1623	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1623	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W [for CCU-700AP(CE)]
R1624	1-216-676-11	s	METAL, CHIP 11K 0.50% 1/10W
R1625	1-216-628-11	s	METAL 110 0.50% 1/10W
R1626	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R1627	1-216-635-11	s	METAL, CHIP 220 0.5% 1/10W
R1628	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1629	1-218-767-11	s	METAL, CHIP 430K 0.50% 1/10W
R1630	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R1631	1-218-754-11	s	METAL 120K 0.50% 1/10W
R1633	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1635	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1636	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R1637	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R1643	1-216-624-11	s	METAL 75 0.50% 1/10W
R1646	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1647	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R1648	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1654	1-216-624-11	s	METAL 75 0.50% 1/10W
R1656	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1657	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R1658	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1664	1-216-624-11	s	METAL 75 0.50% 1/10W
R1666	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1716	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R1725	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R1730	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1734	1-216-304-11	s	METAL 3.3 5% 1/10W
R1781	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R1783	1-208-785-11	s	METAL, CHIP 1.3K 0.50% 1/10W
R1786	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R1787	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1787	1-208-803-11	s	METAL, CHIP 7.5K 0.50% 1/10W [for CCU-700AP(CE)]
R1790	1-216-063-91	s	METAL, CHIP 3.9K 5% 1/10W
R1791	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R1792	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R1799	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R1800	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R1801	1-216-089-91	s	METAL 47K 5% 1/10W
R1803	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R1804	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R1806	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1809	1-216-676-11	s	METAL, CHIP 11K 0.50% 1/10W
R1811	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1812	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1813	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R1817	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W
R1820	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1821	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1827	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R1831	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W
R1836	1-216-049-91	s	METAL, CHIP 1K 5% 1/10W
R1851	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1855	1-216-664-11	s	METAL 3.6K 0.50% 1/10W
R1895	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R1896	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R1897	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R1906	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R1909	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R1914	1-216-121-91	s	METAL, CHIP 1M 5% 1/10W
R1916	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1929	1-216-089-91	s	METAL 47K 5% 1/10W
R1961	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1962	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1967	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R1968	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R1969	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1972	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R1973	1-216-660-11	s	METAL 2.4K 0.50% 1/10W
R1974	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W
R1976	1-216-657-11	s	METAL, CHIP 1.8K 0.5% 1/10W
R1982	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R1984	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R1985	1-216-682-11	s	METAL, CHIP 20K 0.5% 1/10W
R1988	1-208-811-11	s	METAL 16K 0.50% 1/10W
R1996	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R1998	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2001	1-216-671-11	s	METAL, CHIP 6.8K 0.50% 1/10W
R2036	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2039	1-216-674-11	s	METAL, CHIP 9.1K 0.5% 1/10W
R2040	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2041	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2042	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R2043	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2044	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2045	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R2046	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2047	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2048	1-216-665-11	s	METAL, CHIP 3.9K 0.5% 1/10W
R2049	1-216-699-11	s	METAL, CHIP 100K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]

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Ref. No. or Q'ty	Part No.	SP	Description
R2049	1-216-698-11	s	METAL 91K 0.50% 1/10W [for CCU-700AP(CE)]
R2050	1-216-673-11	s	METAL, CHIP 8.2K 0.5% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R2050	1-208-810-11	s	METAL, CHIP 15K 0.50% 1/10W [for CCU-700AP(CE)]
R2051	1-218-759-11	s	METAL, CHIP 200K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R2052	1-218-759-11	s	METAL, CHIP 200K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R2054	1-216-627-11	s	METAL, CHIP 100 0.50% 1/10W
R2056	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W [for CCU-700AP(CE)]
R2057	1-216-678-11	s	METAL, CHIP 13K 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R2057	1-208-800-11	s	METAL, CHIP 5.6K 0.50% 1/10W [for CCU-700AP(CE)]
R2058	1-216-089-91	s	METAL 47K 5% 1/10W
R2061	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2064	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2065	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2067	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2068	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2069	1-216-663-11	s	METAL, CHIP 3.3K 0.5% 1/10W
R2070	1-208-812-11	s	METAL, CHIP 18K 0.50% 1/10W
R2071	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2073	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2074	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2075	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2076	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2077	1-216-089-91	s	METAL 47K 5% 1/10W
R2078	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R2080	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R2081	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2082	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R2083	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R2084	1-216-631-11	s	METAL 150 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]
R2084	1-216-615-11	s	METAL 33 0.50% 1/10W [for CCU-700AP(CE)]
R2086	1-216-089-91	s	METAL 47K 5% 1/10W
R2089	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2090	1-208-784-11	s	METAL, CHIP 1.2K 0.50% 1/10W
R2091	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2092	1-216-089-91	s	METAL 47K 5% 1/10W
R2093	1-216-655-11	s	METAL, CHIP 1.5K 0.50% 1/10W
R2094	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2095	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2097	1-216-694-11	s	METAL, CHIP 62K 0.50% 1/10W
R2098	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2099	1-208-799-11	s	METAL, CHIP 5.1K 0.50% 1/10W
R2100	1-216-661-11	s	METAL, CHIP 2.7K 0.5% 1/10W
R2101	1-216-629-11	s	METAL, CHIP 120 0.50% 1/10W [for CCU-700A(J), CCU-700A(UC)]

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Ref. No. or Q'ty	Part No.	SP	Description
R2101	1-216-615-11	s	METAL 33 0.50% 1/10W [for CCU-700AP(CE)]
R2103	1-216-089-91	s	METAL 47K 5% 1/10W
R2106	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2107	1-216-662-11	s	METAL 3K 0.50% 1/10W
R2108	1-216-662-11	s	METAL 3K 0.50% 1/10W
R2116	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2117	1-216-634-11	s	METAL, CHIP 200 0.50% 1/10W
R2118	1-216-634-11	s	METAL, CHIP 200 0.50% 1/10W
R2127	1-216-105-91	s	METAL, CHIP 220K 5% 1/10W
R2128	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2129	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2130	1-216-684-11	s	METAL, CHIP 24K 0.50% 1/10W
R2201	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2202	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2203	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2205	1-216-624-11	s	METAL 75 0.50% 1/10W
R2208	1-216-666-11	s	METAL, CHIP 4.3K 0.5% 1/10W
R2210	1-216-624-11	s	METAL 75 0.50% 1/10W
R2216	1-216-089-91	s	METAL 47K 5% 1/10W
R2217	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2223	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2224	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2225	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2262	1-208-811-11	s	METAL 16K 0.50% 1/10W
R2263	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2264	1-216-677-11	s	METAL, CHIP 12K 0.5% 1/10W
R2266	1-216-624-11	s	METAL 75 0.50% 1/10W
R2267	1-208-806-11	s	METAL, CHIP 10K 0.50% 1/10W
R2268	1-208-801-11	s	METAL, CHIP 6.2K 0.50% 1/10W
R2273	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R2275	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2276	1-216-659-11	s	METAL, CHIP 2.2K 0.5% 1/10W
R2289	1-218-753-11	s	METAL 110K 0.50% 1/10W
R2290	1-216-698-11	s	METAL 91K 0.50% 1/10W
R2291	1-216-689-11	s	METAL, CHIP 39K 0.5% 1/10W
R2296	1-216-667-11	s	METAL, CHIP 4.7K 0.5% 1/10W
R2341	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2342	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2345	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2346	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2347	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2348	1-208-814-11	s	METAL, CHIP 22K 0.50% 1/10W
R2349	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2352	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
R2355	1-216-097-91	s	METAL, CHIP 100K 5% 1/10W
RB1	1-239-960-11	s	MATRIX RESISTOR
RB125	1-239-958-11	s	MATRIX RESISTOR
RB221	1-239-959-11	s	MATRIX RESISTOR
RB1361	1-239-961-11	s	MATRIX RESISTOR [for CCU-700A(J), CCU-700A(UC)]
RB1362	1-239-962-11	s	MATRIX RESISTOR [for CCU-700A(J), CCU-700A(UC)]
RB2031	1-239-024-11	s	MATRIX RESISTOR
RB2032	1-239-025-11	s	MATRIX RESISTOR
RB2033	1-239-026-11	s	MATRIX RESISTOR
RV1	1-228-461-00	s	RES, ADJ, METAL 50K

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RV10	1-228-456-00	s	RES, ADJ, METAL 1K
RV11	1-228-457-00	s	RES, ADJ, METAL 2K
RV12	1-228-454-00	s	RES, ADJ, METAL 200
RV20	1-228-455-00	s	RES, ADJ, METAL 500
RV125	1-228-461-00	s	RES, ADJ, METAL 50K
RV135	1-228-456-00	s	RES, ADJ, METAL 1K
RV136	1-228-454-00	s	RES, ADJ, METAL 200
RV137	1-228-462-00	s	RES, ADJ, METAL 100K
RV145	1-228-455-00	s	RES, ADJ, METAL 500
RV221	1-228-461-00	s	RES, ADJ, METAL 50K
RV270	1-228-456-00	s	RES, ADJ, METAL 1K
RV271	1-228-454-00	s	RES, ADJ, METAL 200
RV272	1-228-462-00	s	RES, ADJ, METAL 100K
RV280	1-228-455-00	s	RES, ADJ, METAL 500
RV341	1-228-453-00	s	RES, ADJ, METAL 100
RV342	1-228-458-00	s	RES, ADJ, METAL 5K
RV360	1-228-457-00	s	RES, ADJ, METAL 2K
RV361	1-228-455-00	s	RES, ADJ, METAL 500
RV521	1-228-460-00	s	RES, ADJ, METAL 20K
RV533	1-228-454-00	s	RES, ADJ, METAL 200 [for CCU-700A(J), CCU-700A(UC)]
RV533	1-228-455-00	s	RES, ADJ, METAL 500 [for CCU-700AP(CE)]
RV651	1-228-460-00	s	RES, ADJ, METAL 20K
RV670	1-228-454-00	s	RES, ADJ, METAL 200 [for CCU-700A(J), CCU-700A(UC)]
RV670	1-228-455-00	s	RES, ADJ, METAL 500 [for CCU-700AP(CE)]
RV761	1-228-470-00	s	RES, ADJ, METAL 500
RV841	1-228-455-00	s	RES, ADJ, METAL 500
RV931	1-228-455-00	s	RES, ADJ, METAL 500
RV1011	1-228-455-00	s	RES, ADJ, METAL 500
RV1101	1-228-475-00	s	RES, ADJ, METAL 20K
RV1102	1-228-474-00	s	RES, ADJ, METAL 10K
RV1301	1-228-459-00	s	RES, ADJ, METAL 10K
RV1302	1-228-458-00	s	RES, ADJ, METAL 5K
RV1303	1-228-470-00	s	RES, ADJ, METAL 500
RV1304	1-228-474-00	s	RES, ADJ, METAL 10K [for CCU-700A(J), CCU-700A(UC)]
RV1304	1-228-473-00	s	RES, ADJ, METAL 5K [for CCU-700AP(CE)]
RV1361	1-228-457-00	s	RES, ADJ, METAL 2K [for CCU-700A(J), CCU-700A(UC)]
RV1361	1-228-459-00	s	RES, ADJ, METAL 10K [for CCU-700AP(CE)]
RV1362	1-230-752-21	s	RES, ADJ, METAL 50K
RV1363	1-230-752-21	s	RES, ADJ, METAL 50K
RV1364	1-228-469-00	s	RES, ADJ, METAL 200
RV1501	1-228-460-00	s	RES, ADJ, METAL 20K [for CCU-700AP(CE)]
RV1502	1-228-455-00	s	RES, ADJ, METAL 500 [for CCU-700AP(CE)]
RV1503	1-228-460-00	s	RES, ADJ, METAL 20K [for CCU-700AP(CE)]
RV1505	1-228-460-00	s	RES, ADJ, METAL 20K [for CCU-700A(UC)]

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

(VA-156A/156B/156P BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RV1602	1-228-471-00	s	RES, ADJ, METAL 1K
RV1603	1-228-456-00	s	RES, ADJ, METAL 1K
RV1604	1-228-456-00	s	RES, ADJ, METAL 1K
RV1781	1-228-459-00	s	RES, ADJ, METAL 10K
RV1782	1-228-459-00	s	RES, ADJ, METAL 10K
RV1783	1-228-459-00	s	RES, ADJ, METAL 10K
RV1891	1-228-456-00	s	RES, ADJ, METAL 1K
RV1892	1-228-460-00	s	RES, ADJ, METAL 20K
RV1961	1-228-474-00	s	RES, ADJ, METAL 10K
RV1962	1-228-473-00	s	RES, ADJ, METAL 5K
RV1963	1-228-474-00	s	RES, ADJ, METAL 10K
RV1965	1-228-459-00	s	RES, ADJ, METAL 10K
RV2031	1-228-456-00	s	RES, ADJ, METAL 1K
RV2032	1-228-454-00	s	RES, ADJ, METAL 200 [for CCU-700A(J), CCU-700A(UC)]
RV2033	1-228-454-00	s	RES, ADJ, METAL 200
RV2034	1-228-454-00	s	RES, ADJ, METAL 200
S1	1-564-948-21	o	PIN, CONNECTOR 3P
S125	1-564-948-21	o	PIN, CONNECTOR 3P
S126	1-570-857-11	s	SWITCH, SLIDE
S221	1-564-948-21	o	PIN, CONNECTOR 3P
S1101	1-564-948-21	o	PIN, CONNECTOR 3P
S1102	1-564-948-21	o	PIN, CONNECTOR 3P
S1361	1-570-857-11	s	SWITCH, SLIDE
S1362	1-570-857-11	s	SWITCH, SLIDE
S1501	1-570-610-11	s	SWITCH, TOGGLE [for CCU-700AP(CE)]
S1891	1-572-658-21	s	SWITCH, ROTARY
S1892	1-570-611-11	s	SWITCH, TOGGLE [for CCU-700A(J), CCU-700A(UC)]
S1961	1-762-117-11	s	SWITCH, ROTARY
S1962	1-570-610-11	s	SWITCH, TOGGLE
S2031	1-570-857-11	s	SWITCH, SLIDE
S2032	1-570-850-11	s	SWITCH, SLIDE
THP1	1-806-166-00	s	THERMISTOR (POSITIVE)

FRAME

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	1-590-489-11	s	CABLE, FLEXIBLE FLAT (25 CORE)
2pcs	1-750-881-11	s	CONVERTER, COAXIAL CONNECTOR, BNC "SERIAL INPUT RET1/RET2" "SERIAL OUTPUT 2/3"
1pc	1-774-157-11	s	CONVERTER, COAXIAL CONNECTOR "SERIAL OUTPUT 1"
2pcs	1-765-696-11	s	CABLE ASSEMBLY, COAXIAL "RET1-4, REFERANCE, PROMPTER" "R, G, B, DIAG, Y, R-Y, B-Y, SYNC, CHARACTER, WF1,2, PIX1,2, VBS1-3"
1pc	1-953-610-11	o	HARNESS (SK-19)
CN1F(to IO-103 board)			
	1-562-211-11	o	HOUSING, 3P
	1-562-210-11	o	CONTACT, FEMALE AWG18-22
CN3F(to MB-563 board)			
	1-569-203-11	o	HOUSING, 10P
	1-569-192-11	o	CONTACT, FEMALE AWG22-26
CN11F(to MB-563 board)			
	1-563-121-11	o	CONNECTOR, PS 14P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN16F(to MB-563 board)			
	1-563-124-11	o	CONNECTOR, PS 20P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN17F(to CN-1015 board)			
	1-563-122-11	o	CONNECTOR, PS 16P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN17F(to MB-563 board)			
	1-569-199-11	o	HOUSING, 6P
	1-569-194-11	o	CONTACT, FEMALE AWG24-30
	1-569-192-11	o	CONTACT, FEMALE AWG22-26
CN18F(to CN-1015 board)			
	1-569-199-11	o	HOUSING, 6P
	1-569-194-11	o	CONTACT, FEMALE AWG24-30
CN18F(to CN-1036 board)			
	1-563-129-11	o	CONNECTOR, PS 30P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN18F(to MB-563 board)			
	1-563-119-11	o	CONNECTOR, PS 10P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN19F(to CN-1036 board)			
	1-563-118-11	o	CONNECTOR, PS 8P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN20F(to MB-563 board)			
	1-569-197-11	o	HOUSING, 4P
	1-569-192-11	o	CONTACT, FEMALE AWG22-26
CN21F(to MB-563 board)			
	1-563-117-11	o	CONNECTOR, PS 6P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN22F(to MB-563 board)			
	1-569-199-11	o	HOUSING, 6P
	1-569-194-11	o	CONTACT, FEMALE AWG24-30
CN23F(to MB-563 board)			
	1-563-129-11	o	CONNECTOR, PS 30P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN24F(to MB-563 board)			
	1-569-198-11	o	HOUSING, 5P
	1-569-192-11	o	CONTACT, FEMALE AWG22-26

(FRAME)

Ref. No. or Q'ty	Part No.	SP	Description
CN25F(to MB-563 board)			
	1-563-118-11	o	CONNECTOR, PS 8P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
CN101	1-565-796-11	s	CONNECTOR, DOUBLE COAXIAL "CAMERA" (FOR CCU-700A:UC)
CN101	1-565-798-12	s	CONNECTOR, DOUBLE COAXIAL "CAMERA" (FOR CCU-700A:J)
CN101	1-560-744-11	s	CONNECTOR, COAXIAL (MALE) "CAMERA" (FOR CCU-700AP)
CN103	1-563-029-21	s	CONNECTOR (RECEPTACLE) 3P FEMALE "RTS IN"
CN102	1-564-971-11	o	CONNECTOR, MULTI 19P MALE "INTERCOM/TALLY/PGM"
CN104	1-563-030-21	s	CONNECTOR (RECEPTACLE) 3P MALE "RTS OUT"
CN105	1-563-030-21	s	CONNECTOR (RECEPTACLE) 3P MALE "MIC OUT"(FOR CCU-700A:UC/CCU-700AP
CN105	1-563-029-21	s	CONNECTOR (RECEPTACLE) 3P FEMALE "MIC OUT 1" (FOR CCU-700A:J)
CN106	1-563-030-21	s	CONNECTOR (RECEPTACLE) 3P MALE "MIC OUT"(FOR CCU-700A:UC/CCU-700AP
CN106	1-563-029-21	s	CONNECTOR (RECEPTACLE) 3P FEMALE "MIC OUT 1" (FOR CCU-700A:J)
CN107	1-561-376-00	s	CONNECTOR (S) 4P FEMALE "WF MODE"
CN115	1-774-157-11	s	CONVERTER, COAXIAL CONNECTOR "COAX"

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

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POWER BLOCK FRAME FOR A-8273-371-B
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Ref. No.
or Q'ty  Part No.    SP Description

1pc    ⚠ A-8273-371-B s POWER UNIT(RP)
2pcs     1-533-191-11 s HOLDER, FUSE
1pc      1-698-804-11 s MOTOR, DC

F1     ⚠ 1-532-745-11 s FUSE, GLASS TUBE 3.15A 125V
                                        (FOR CCU-700A)
F1     ⚠ 1-576-230-11 s FUSE (H.B.C.) T3.15AH 250V
                                       (FOR CCU-700AP)
F2     ⚠ 1-532-748-11 s FUSE, GLASS TUBE 6.3A 125V
                                        (FOR CCU-700A)
F2     ⚠ 1-576-231-41 s FUSE (H.B.C.) T4.0AH 250V
                                       (FOR CCU-700AP)

1pc      1-959-139-11 o HARNESS (D-50)
1pc      1-959-141-11 o HARNESS (AC)
1pc      1-959-142-11 o HARNESS (FUSE)

HARNESS (INCOM)
J17(to AU-207 board)
         1-562-647-11 o CONNECTOR, 5P
         1-562-643-11 o CONTACT, FEMALE AWG24-30
J21      1-563-159-11 s CONNECTOR, 5P, FEMALE   "INCOM/PGM"

HARNESS (LE)
J23(to PS-481 board)
         1-562-657-11 o CONNECTOR, 15P
         1-652-643-11 o CONTACT, FEMALE AWG24-30
J15(to LE-133 board)
         1-562-659-11 o CONNECTOR, 15P
         1-652-643-11 o CONTACT, FEMALE AWG24-30

HARNESS (CAM POWER SW)
J20(to LE-133 board)
         1-562-645-11 o CONNECTOR, 3P
         1-562-643-11 o CONTACT, FEMALE AWG24-30
S2     ⚠ 1-570-117-41 s SWITCH, SEESAW (AC POWER)

HARNESS (IF1)
J9(to PS-480 board)
         1-562-286-11 o CONNECTOR, 5P
         1-562-210-11 o CONTACT, FEMALE AWG18-22
J12(to PS-481 board)
         1-562-833-11 o CONNECTOR, 7P
         1-562-210-11 o CONTACT, FEMALE AWG18-22

HARNESS (IF2)
J10(to PS-480 board)
         1-561-209-00 o CONNECTOR, 5P
         1-535-245-11 o CONTACT, FEMALE AWG22-28
J13(to PS-481 board)
         1-561-209-00 o CONNECTOR, 5P
         1-535-245-11 o CONTACT, FEMALE AWG22-28

HARNESS (FL)
J14(to PS-481 board)
         1-561-212-11 o CONNECTOR, 10P
         1-535-245-11 o CONTACT, FEMALE AWG22-28
CN4(to FL-246 board)
         1-562-652-11 o CONNECTOR, 10P
         1-562-643-11 o CONTACT, FEMALE AWG24-30
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NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

POWER BLOCK FRAME FOR A-8273-371-A

Ref. No. or Q'ty	Part No.	SP	Description
1pc	⚠ A-8273-371-A	s	POWER UNIT(RP)
2pcs	1-533-191-11	s	HOLDER, FUSE
1pc	1-955-706-11	o	HARNESS (D-SUB)
B1	1-698-106-11	s	MOTOR, DC BLUSHLESS FAN "DC FAN"
F1	⚠ 1-532-745-11	s	FUSE, GLASS TUBE 3.15A 125V (FOR CCU-700A)
F1	⚠ 1-576-230-11	s	FUSE (H.B.C.) T3.15AH 250V (FOR CCU-700AP)
F2	⚠ 1-532-748-11	s	FUSE, GLASS TUBE 6.3A 125V (FOR CCU-700A)
F2	⚠ 1-576-231-41	s	FUSE (H.B.C.) T4.0AH 250V (FOR CCU-700AP)
CN1F(to AU-209 board)			
	1-580-582-11	o	CONNECTOR, 12P
	1-580-599-11	o	CONTACT, FEMALE AWG26-30
CN2F(to AU-209 board)			
	1-562-647-11	o	CONNECTOR, 5P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J3F(to CN-1013 board)			
	1-563-888-11	o	CONNECTOR, 10P
	1-562-210-11	o	CONTACT, FEMALE AWG18-22
J8F(to CN-1013 board)			
	1-562-833-11	o	CONNECTOR, 7P
	1-562-210-11	o	CONTACT, FEMALE AWG18-22
J9F(to PS-356 board)			
	1-562-211-11	o	CONNECTOR, 3P
	1-562-210-11	o	CONTACT, FEMALE AWG18-22
J10F(to CN-1013 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J11F(to PS-357 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J12F(to PS-357 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J13F(to PS-356 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J14F(to PS-357 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J15F(to LE-133 board)			
	1-562-657-11	o	CONNECTOR, 15P
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J18F(to PS-357 board)			
	1-563-124-11	o	CONNECTOR, PS 20P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
J19F(to PS-357 board)			
	1-563-129-11	o	CONNECTOR, PS 30P
	1-563-115-11	o	CONTACT, FEMALE AWG25-26
J20F(to LE-133 board)			
	1-562-645-11	o	CONNECTOR, 3P

(POWER BLOCK FRAME)

Ref. No. or Q'ty	Part No.	SP	Description
	1-562-643-11	o	CONTACT, FEMALE AWG24-30
J27F(to CN-1013 board)			
	1-562-211-11	o	CONNECTOR, 3P
	1-562-210-11	o	CONTACT, FEMALE AWG18-22
J1	⚠ 1-251-148-21	s	INLET, AC (3P) "AC IN"
J21	1-563-159-11	s	CONNECTOR, 5P, FEMALE "INCOM/PGM"
S1	⚠ 1-570-117-41	s	SWITCH, SEESAW (AC POWER)
S2	⚠ 1-570-117-41	s	SWITCH, SEESAW (AC POWER)
S3	⚠ 1-570-173-11	s	SELECTOR, POWER VOLTAGE
CN20	1-562-945-11	o	CONNECTOR, MULTI 50P FEMALE
	1-562-580-21	o	CONTACT, FEMALE AWG24-28

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

1-4. Supplied Accessories

[CCU-700A/CCU-700AP]

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8278-054-A	o	REMOTE INDICATOR ASSY
1pc	1-506-767-11	s	CONNECTOR, ROUND 19P, FEMALE
1pc	⚠ 1-532-745-11	s	FUSE, GLASS TUBE 3.15A 125V (FOR CCU-700A)
1pc	⚠ 1-532-748-11	s	FUSE, GLASS TUBE 6.3A 125V (FOR CCU-700A)
1pc	⚠ 1-576-230-11	s	FUSE (H.B.C.) T3.15AH 250V (FOR CCU-700AP)
1pc	⚠ 1-576-231-41	s	FUSE (H.B.C.) T4.0AH 250V (FOR CCU-700AP)
1pc	⚠ 1-576-225-41	s	FUSE (H.B.C.)
1pc	⚠ 1-575-181-11	s	CORD, POWER (FOR CCU-700A:J)
1pc	⚠ 1-551-812-11	s	CORD, POWER (FOR CCU-700A:UC)
1pc	⚠ 1-590-910-11	s	CORD SET, POWER (FOR CCU-700AP)
1pc	1-560-155-00	s	CONNECTOR, 4P MALE
1pc	1-750-686-11	s	CONNECTOR, CONVERSION (3P-2P) (FOR CCU-700A:J)
1pc	2-990-242-01	s	HOLDER (B), PLUG (FOR CCU-700A)
1pc	3-170-078-01	s	HOLDER (B), PLUG (FOR CCU-700AP)

[BKP-7312]

Ref. No. or Q'ty	Part No.	SP	Description
1pc	X-3678-532-1	o	ASSY, CASE(A) SHIELD
1pc	X-3678-533-1	o	ASSY, CASE(B) SHIELD
1pc	1-500-082-11	s	CLAMP, SLEEVE FERRITE
2pcs	1-765-696-11	s	CALBE ASSEMBLY, COAXIAL
1pc	1-955-432-11	o	HARNESS, SUB (DA1)
1pc	1-955-433-11	o	HARNESS, SUB (DA2)
4pcs	3-675-725-01	o	SPACER, PC BOARD
1pc	3-694-267-02	o	LABEL, RET
4pcs	7-682-902-01	s	SCREW +PWH 2.6X4

1-5. Optional Fixtures

Part No.	SP	Description
A-8314-124-A	o	EXTENSION BOARD, EX-439
J-6390-880-A	o	CCU-370 CHECKER

NOTE : Please see page 1-11 for the parts that are not listed in the parts list.

Section 2
Semiconductor Pin Assignments

ここに記載されている半導体は，それぞれの機能を等価的に表したものです。　なお，互換性のない型名を併記していることがありますので，部品を交換するときは，Spare Partsの章を参照してください。
等価回路はＩＣメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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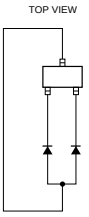
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SN74HC00ANS ... 2-17
SN74HC04ANS ... 2-17
SN74HC08ANS ... 2-17
SN74HC132ANS ... 2-18
SN74HC153ANS ... 2-18
SN74HC158ANS ... 2-18
SN74HC165ANS ... 2-18
SN74HC175ANS ... 2-18
SN74HC27AN ... 2-19
SN74HC32ANS ... 2-19
SN74HC4040ANS ... 2-19
SN74LS123NS ... 2-19
SN74LS221NS ... 2-19
SN75158PS ... 2-19

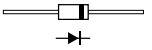
TA8129Z ... 2-20
TC4S30F ... 2-20
TC4S69F ... 2-17
TC4W53F ... 2-20
TC74HC165AF ... 2-18
TC74HC221AF ... 2-20
TC74HC4051AF ... 2-20
TC7S08F ... 2-20
TC7S66F ... 2-20
TC7W02F ... 2-21
TC7W04F ... 2-21
TC7W04FU ... 2-21
TC7W08F ... 2-21
TL062CPS ... 2-21
TL064CNS ... 2-21
TL082M ... 2-21
TL084CNS ... 2-21
TLC272CPS ... 2-21
TLC274CNS ... 2-21
TMP82C265BF-2 ... 2-22
TMS27C010A-10JL ... 2-23

UPA101G ... 2-23
UPC311G2 ... 2-23
UPC319G2 ... 2-23
UPC393G2 ... 2-23
UPC4558G2 ... 2-16
UPD6453GT-610 ... 2-24
UPD71051GB-103B4 ... 2-25

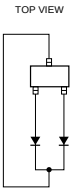
DIODE



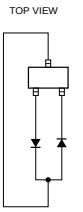
1S2836
1SS269



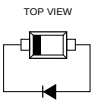
1SS119



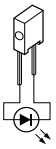
1SS184



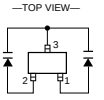
1SS226
1SV172
HSM88AS



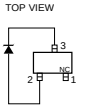
1T363
1T363A



HLMP-6500;GREEN



KV1470

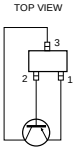


RD ? ?M-B
RD ? ?MB
RD ? ?M-B ?
UZM5.1B

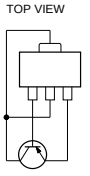


LM4040BIM3(NS)

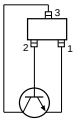
TRANSISTOR



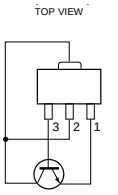
2SA1162G
2SA1226
2SA1462



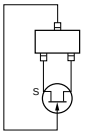
2SB798



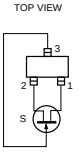
2SC1009A
2SC1623
2SC2714Y
2SC2757
2SD596



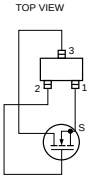
2SD1623



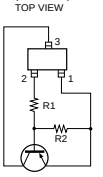
2SK1332



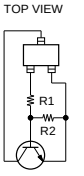
2SK508
2SK94-X4



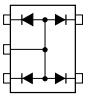
2SK620



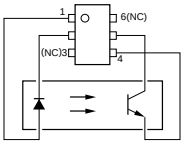
DTA144EU
(R1=47K,
R2=47K)



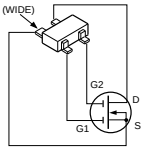
DTC143XK
(R1=4.7K, R2=10K)
DTC144EU
(R1=47K, R2=47K)



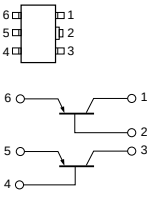
FMP1



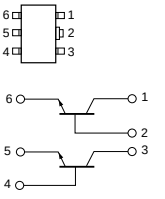
PS2604



SGM2006M



XN6435

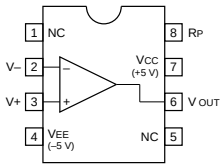


XN6501
XN6534

IC

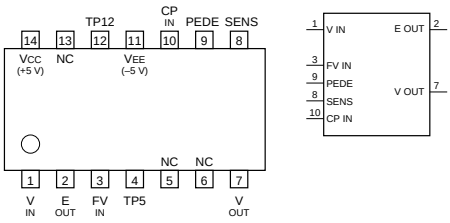
CLC505AJE(COMLINEAR)FLAT PACKAGE

OPERATIONAL AMPLIFIER
— TOP VIEW —



CXA1432M(SONY)FLAT PACKAGE

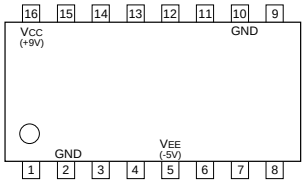
VIDEO SIGNAL CLAMPER
— TOP VIEW —

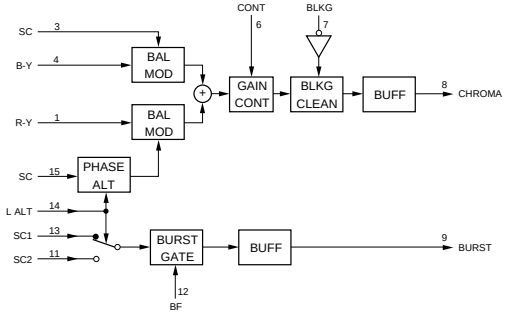


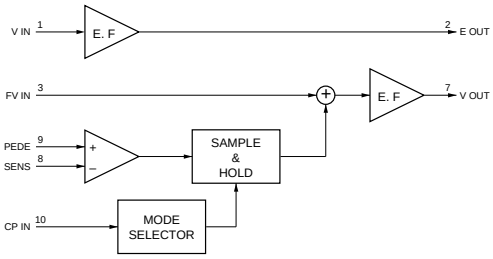
CP IN	; CLAMP PULSE INPUT
E OUT	; BUFFER AMP OUTPUT
FV IN	; FLOATING VIDEO SIGNAL INPUT
PEDE	; CLAMP LEVEL DC INPUT
SENS	; CLAMP POINT SIGNAL INPUT
TP5, TP12	; FOR TEST
V IN	; VIDEO SIGNAL INPUT
V OUT	; VIDEO SIGNAL OUTPUT

CX22017(SONY)

VIDEO SIGNAL PROCESSOR
-TOP VIEW-

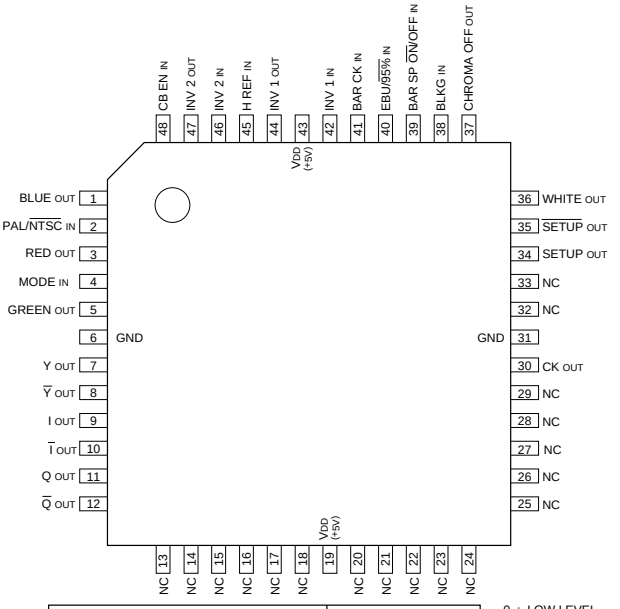


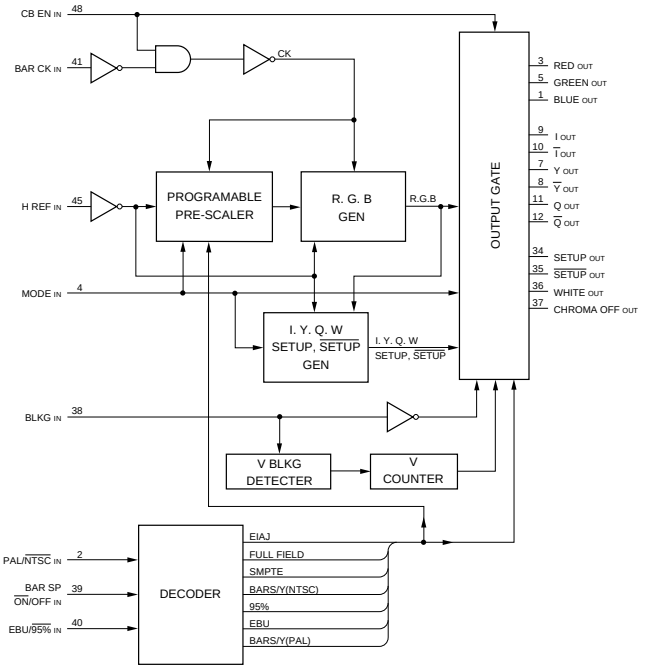




CX7968A(SONY)

C-MOS COLOR BAR GENERATOR
-TOP VIEW-





INPUT				FUNCTION
PAL/NTSC	MODE	EBU/95%	BAR SP	
0	0	0	0	EIAJ COLOR BAR
0	0	0	1	FULL FIELD COLOR BAR
0	0	1	0	INHIBIT
0	0	1	1	INHIBIT
0	1	0	0	EIAJ COLOR BAR
0	1	0	1	FULL FIELD COLOR BAR
0	1	1	0	SMPTE COLOR BAR
0	1	1	1	COLOR BAR + Y BAR
1	0	0	0	95% COLOR BAR
1	0	0	1	INHIBIT
1	0	1	0	EBU COLOR BAR
1	0	1	1	INHIBIT
1	1	0	0	95% COLOR BAR
1	1	0	1	COLOR BAR + Y BAR
1	1	1	0	EBU COLOR BAR
1	1	1	1	INHIBIT

0 ; LOW LEVEL
1 ; HIGH LEVEL

O COLOR BAR PATTERN

EIAJ COLOR BAR (NTSC)

GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE
– I	WHITE		+ Q	BLACK		

COLOR BAR + Y BAR (PAL) or (NTSC)

WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK
WHITE	GRAY	GRAY	GRAY	GRAY	GRAY	GRAY	BLACK

FULL FIELD COLOR BAR (NTSC)

GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE

95% COLOR BAR (PAL)

WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK

SMPTE COLOR BAR (NTSC)

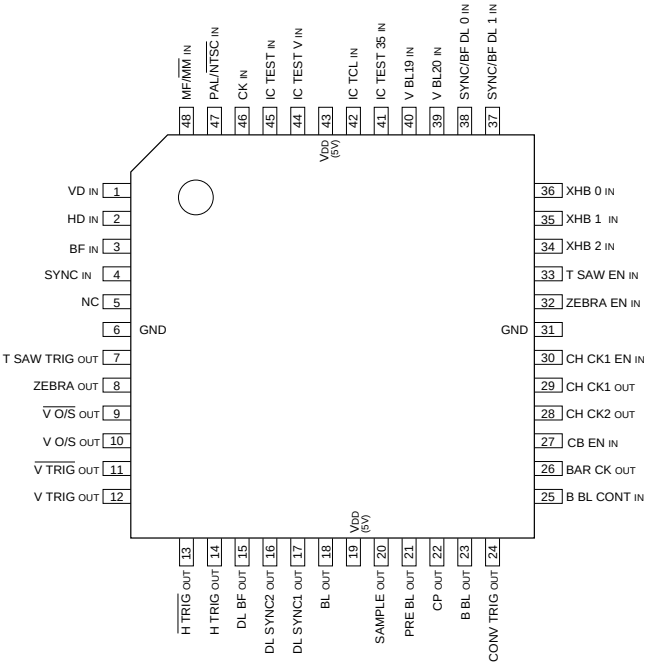
GRAY	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE
BLUE	BLACK	MAGENTA	BLACK	CYAN	BLACK	GRAY
– I	WHITE		+ Q	BLACK	- 4 BLACK / + 4 BLACK	BLACK

EBU COLOR BAR (PAL)

WHITE	YELLOW	CYAN	GREEN	MAGENTA	RED	BLUE	BLACK

CX7969(SONY)

C-MOS PULSE GENERATOR
-TOP VIEW-



1. SYSTEM DESIGNATION

INPUT PAL/$\overline{\text{NTSC}}$ IN	SYSTEM
1	PAL, SECAM
0	NTSC, PALM

2. TYPE OF TUBE

INPUT MF/$\overline{\text{MM}}$ IN	FUNCTION
1	MAG-STA TUBE
0	MAG-MAG TUBE

3. V BLKG WIDTH (NTSC ONLY)

INPUT V BL 19	INPUT V BL 20	V BLKG WIDTH
1	X	19H
0	1	20H
0	0	21H

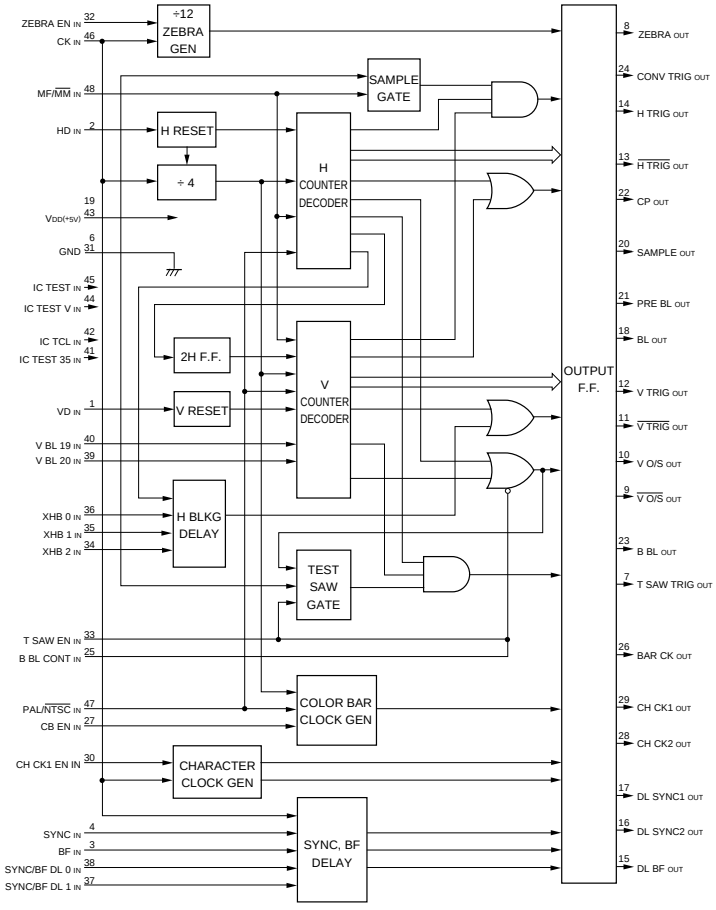
4. H BLKG WIDTH

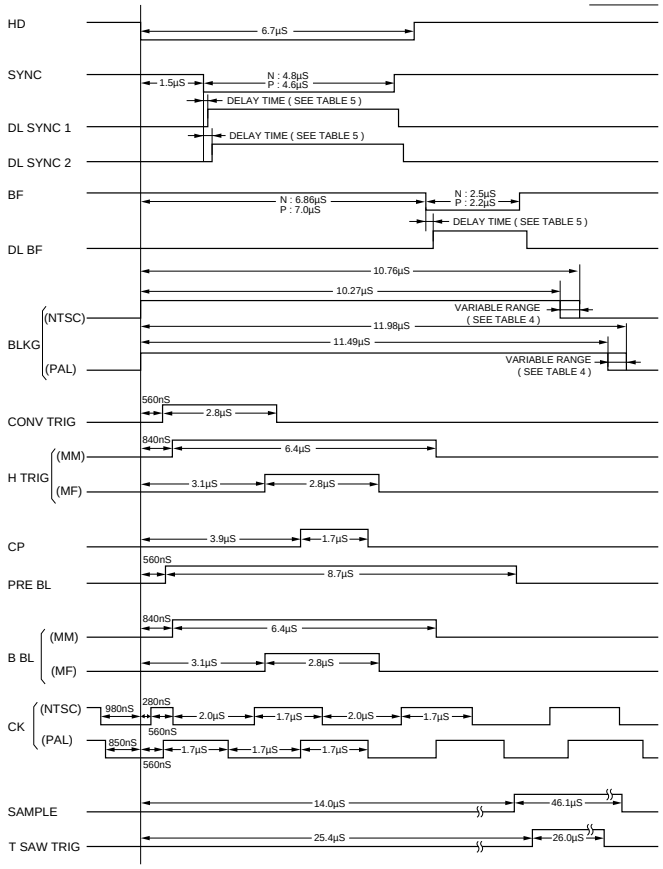
INPUT XHB2	INPUT XHB1	INPUT XHB0	BLKG WIDTH (µS) NTSC	BLKG WIDTH (µS) PAL
1	1	1	10.27	11.49
1	1	0	10.34	11.56
1	0	1	10.41	11.63
1	0	0	10.48	11.70
0	1	1	10.55	11.77
0	1	0	10.62	11.84
0	0	1	10.69	11.91
0	0	0	10.76	11.98

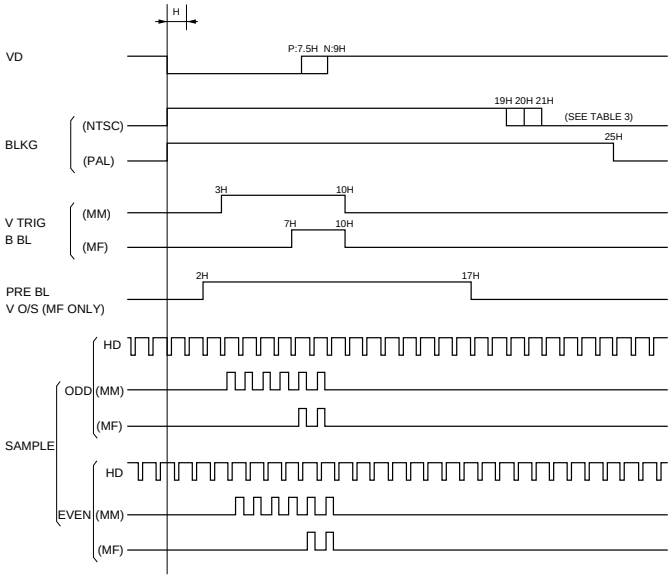
5. DELAY TIME

INPUT SYNC/BF DL1	INPUT SYNC/BF DL2	DELAY TIME (nS) DL SYNC 1	DL SYNC 2	DL BF
1	1	140	210	140
1	0	210	280	210
0	1	630	700	630
0	0	700	770	700

1 ; HIGH LEVEL
0 ; LOW LEVEL
X ; DON'T CARE



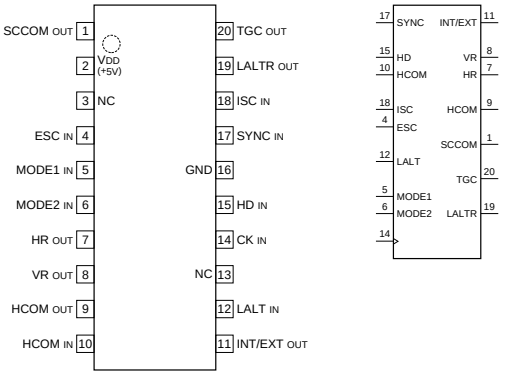




CXD1216M(SONY)FLAT PACKAGE

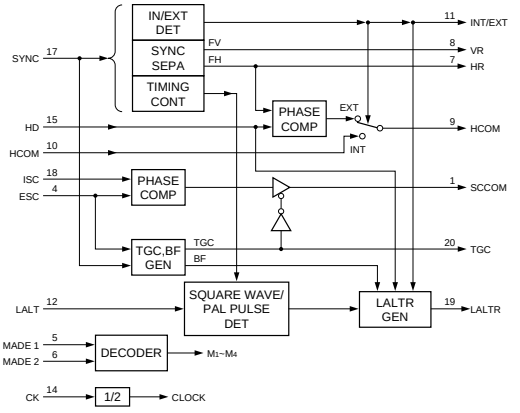
C-MOS GENLOCK DRIVER

-TOP VIEW-



INPUT		MODE	SYSTEM
MODE1	MODE2		
0	0	M1	PAL-VBS
1	0	M2	PALM-VBS
0	1	M3	PAL,SECAM-VS/SC/LALT
1	1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

0 ; LOW LEVEL
1 ; HIGH LEVEL



INPUT

CK	;	4fsc CLOCK INPUT
ESC	;	SC/COLOR BURST
HCOM	;	PHASE COMPARATE FROM CXD1217
HD	;	H DRIVE FROM CXD1217
ISC	;	SUBCARRIER FROM CXD1217
LALT	;	LALT FROM REFERENCE SIGNAL GENERATOR
MODE1,2	;	SYSTEM SELECT
SYNC	;	SYNC FROM REFERENCE SIGNAL GENERATOR

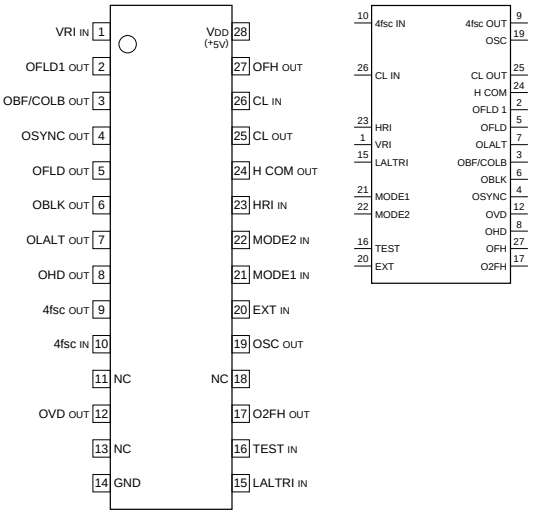
OUTPUT

HCOM	;	PHASE COMPARATOR HR WITH HD
HR	;	fH OF SYNC SEPARATE
INT/EXT	;	INTERNAL/EXTERNAL SPECIFIED
LALTR	;	LINE CHANGE RESET
SCCOM	;	PHASE COMPARATOR ESC WITH ISC
TGC	;	TRISTATE CONTROL
VR	;	fV OF SYNC SEPARATE

CXD1217M(SONY) FLAT PAKAGE

C-MOS SYNC GENERATOR

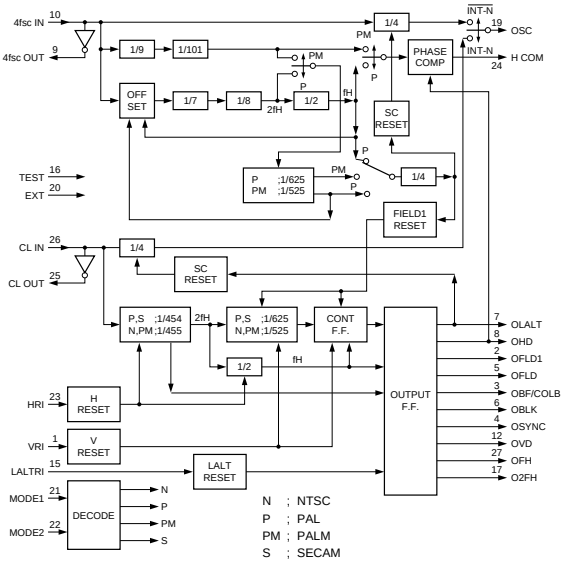
-TOP VIEW-



SYSTEM	4fsc	CLOCK
NTSC	910fH	910fH
PAL	1135fH+2fV	908fH
PALM	909fH	910fH
SECAM	—	908fH

INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0 ; LOW LEVEL
1 ; HIGH LEVEL



N ; NTSC
P ; PAL
PM ; PALM
S ; SECAM

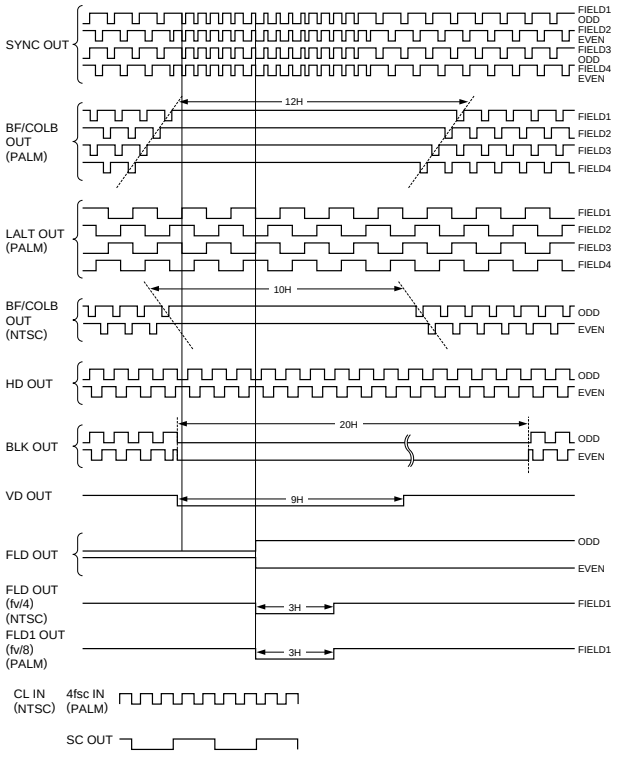
INPUT

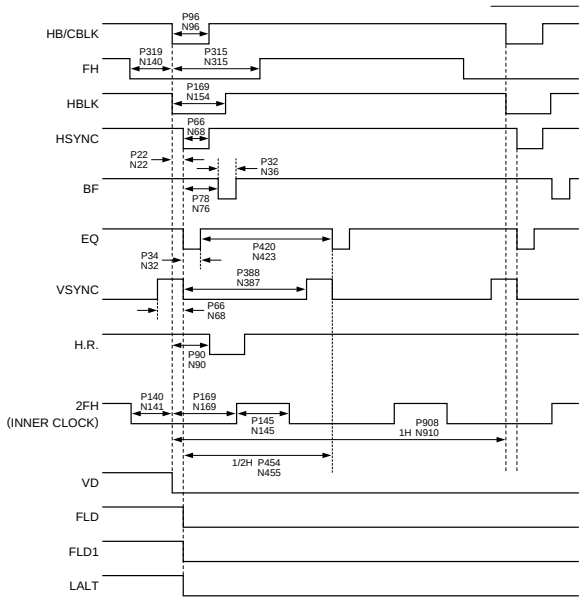
4fSC IN	;	4fSC INPUT
CL IN	;	CLOCK INPUT
EXT	;	SYNC MODE SELECT (L ; INTERNAL/H ; EXTERNAL)
HRI	;	H RESET
LALTRI	;	LINE CHANGE RESET
MODE 1,2	;	SYSTEM SELECT
VRI	;	V RESET

OUTPUT

4fSC OUT	;	4fSC OUTPUT
CL OUT	;	CLOCK OUTPUT
H COM	;	PHASE COMPARATOR
O2fH	;	2fH OUTPUT
OBF/COLB	;	BURST FLAG/COLOR BLANKING
OBLK	;	COMPOSITE BLANKING
OFH	;	H FREQUENCE
OFLD	;	EVEN,ODD
OFLD1	;	FIELD1
OHD	;	H DRIVE
OLALT	;	LINE CHANGE
OSC	;	SUB CARRIER
OSYNC	;	COMPOSITE SYNC
OVD	;	V DRIVE

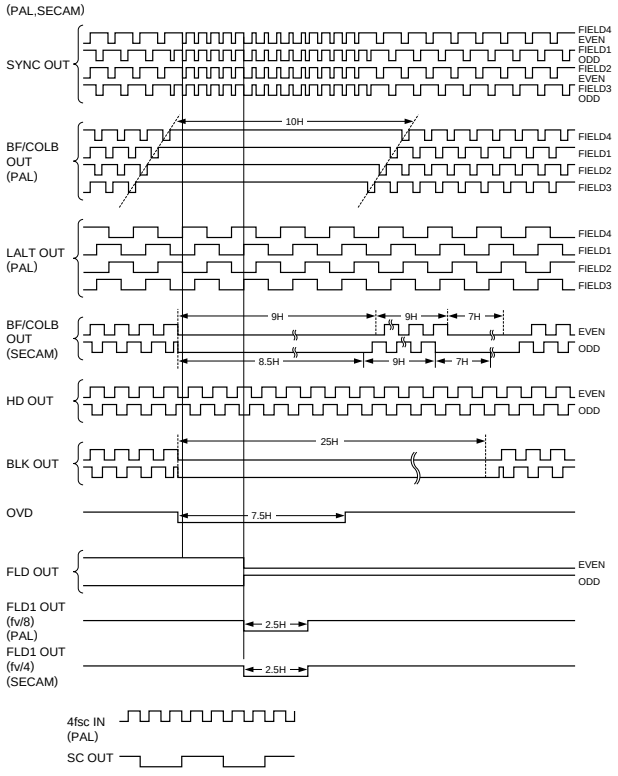
(NTSC,PALM)





P : PAL,SECAM
N : NTSC,PALM

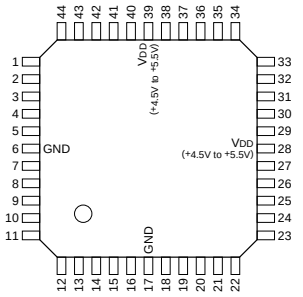
(PAL,SECAM)



CXD8072Q(SONY)FLAT PACKAGE

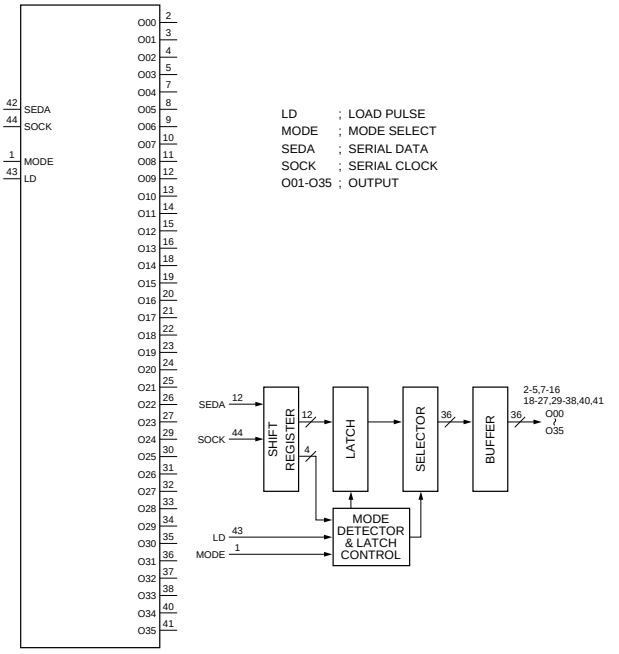
C-MOS SERIAL TO PARALLEL CONVERTER

-TOP VIEW-



(V_{DD} = +4.5V to +5.5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I	MODE	12	O	O09	23	O	O19	34	O	O29
2	O	O00	13	O	O10	24	O	O20	35	O	O30
3	O	O01	14	O	O11	25	O	O21	36	O	O31
4	O	O02	15	O	O12	26	O	O22	37	O	O32
5	O	O03	16	O	O13	27	O	O23	38	O	O33
6	–	GND	17	–	GND	28	–	V_{DD}	39	–	V_{DD}
7	O	O04	18	O	O14	29	O	O24	40	O	O34
8	O	O05	19	O	O15	30	O	O25	41	O	O35
9	O	O06	20	O	O16	31	O	O26	42	I	SEDA
10	O	O07	21	O	O17	32	O	O27	43	I	LD
11	O	O08	22	O	O18	33	O	O28	44	I	SOCK

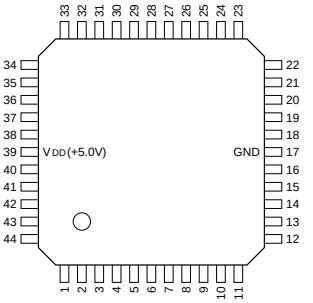


LD ; LOAD PULSE
MODE ; MODE SELECT
SEDA ; SERIAL DATA
SOCK ; SERIAL CLOCK
O01-O35 ; OUTPUT

CXD8344AQ(SONY)

C-MOS PULSE GENERATOR

- TOP VIEW -



(V_{DD} =+5.0V)

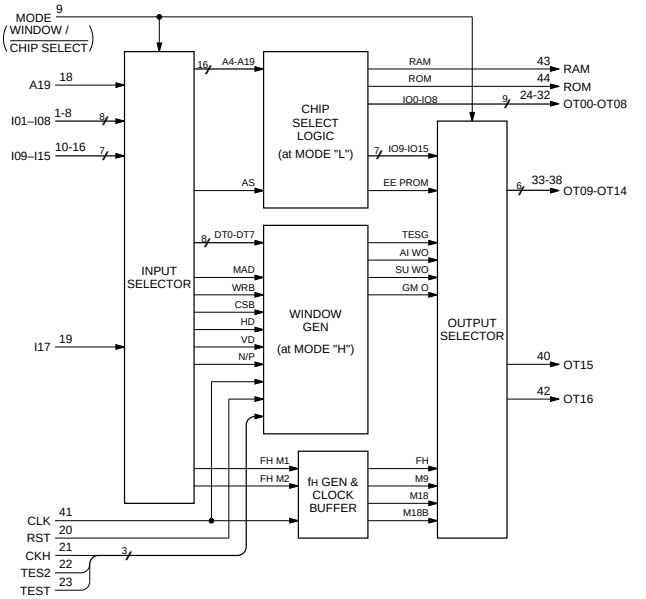
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	I01	12	I	I11	23	I	TEST	34	O	OT10
2	I	I02	13	I	I12	24	O	OT00	35	O	OT11
3	I	I03	14	I	I13	25	O	OT01	36	O	OT12
4	I	I04	15	I	I14	26	O	OT02	37	O	OT13
5	I	I05	16	I	I15	27	O	OT03	38	O	OT14
6	I	I06	17	–	GND	28	O	OT04	39	–	V_{DD}
7	I	I07	18	I	A19	29	O	OT05	40	O	OT15
8	I	I08	19	I	I17	30	O	OT06	41	I	CLK
9	I	MODE	20	I	RST	31	O	OT07	42	O	OT16
10	I	I09	21	I	CKH	32	O	OT08	43	O	RAM
11	I	I10	22	I	TES2	33	O	OT09	44	O	ROM

INPUT

A19 ; ADDRESS INPUT
CKH ; FOR TEST
CLK ; CLOCK
I01–I17 ; INPUT
MODE ; MODE SELECT (H:WINDOW GEN / L:CHIP SELECT LOGIC)
RST ; RESET
TES2 ; FOR TEST
TEST ; FOR TEST

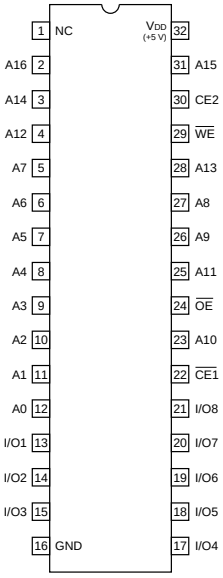
OUTPUT

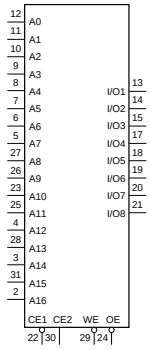
OT00-OT16 ; OUTPUT
RAM ; RAM OUT
ROM ; ROM OUT



CXK581000ATM-10LL(SONY)FLAT PACKAGE

C-MOS 1M (131,072×8)-BIT STATIC RAM
- TOP VIEW -

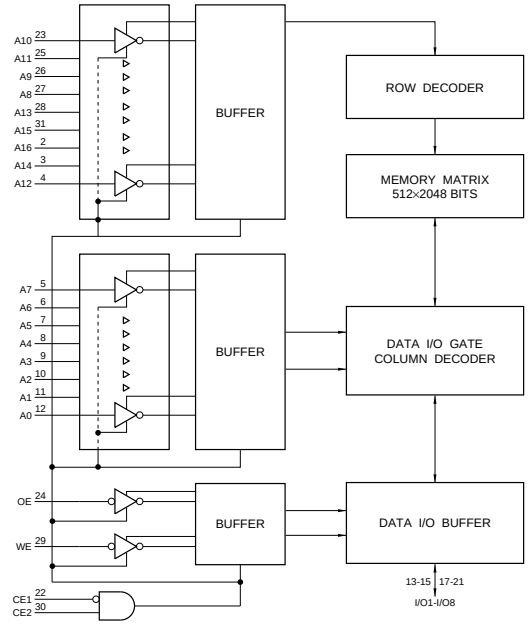




A0 - A16 ; ADDRESS INPUT
I/O1 - I/O8 ; DATA OUTPUTS
$\overline{CE1}$, CE2 ; CHIP ENABLE INPUTS
$\overline{WE}$; WRITE ENABLE INPUT
$\overline{OE}$; OUTPUT ENABLE INPUT

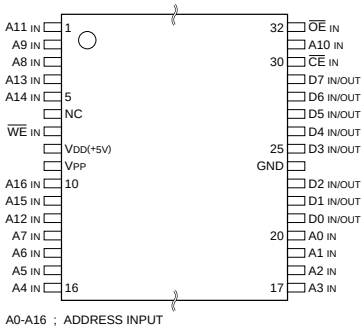
CE1	CE2	OE	WE	MODE	I/O TERMINAL
1	X	X	X	NOT SELECT	HI-Z
X	0	X	X	NOT SELECT	HI-Z
0	1	1	1	OUTPUT DISABLE	HI-Z
0	1	0	1	READ	DATA OUTPUT
0	1	X	0	WRITE	DATA INPUT

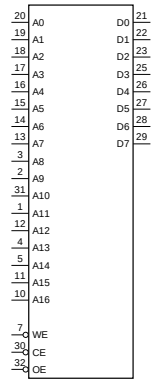
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



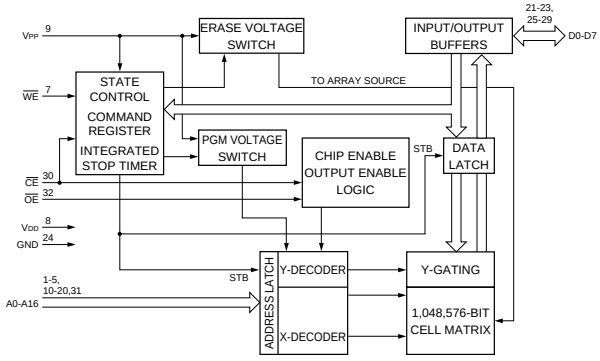
E28F010-120(INTEL)FLAT PACKAGE

1M-BIT FLASH ROM
-TOP VIEW-



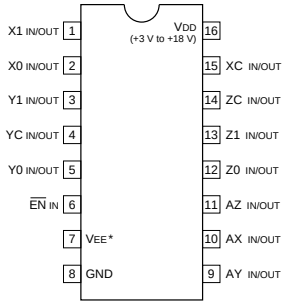


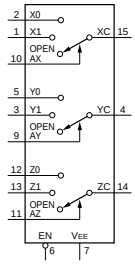
A0-A16 ; ADDRESS INPUT
CE ; CHIP ENABLE INPUT
D0-D7 ; DATA INPUT/OUTPUT
OE ; OUTPUT ENABLE INPUT
WE ; WRITE ENABLE INPUT



HD14053BFP(HITACHI)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS
— TOP VIEW —





VEE*; VDD – VEE + 3 V + 18 V

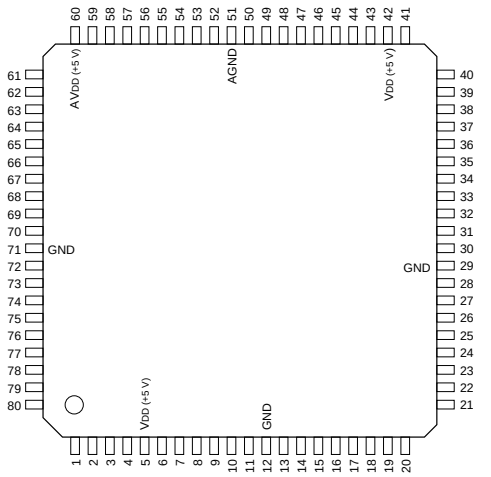
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

CONT. INPUTS		ON
EN	A (X, Y, Z)	CHANNEL
0	0	0
0	1	1
1	X	OPEN

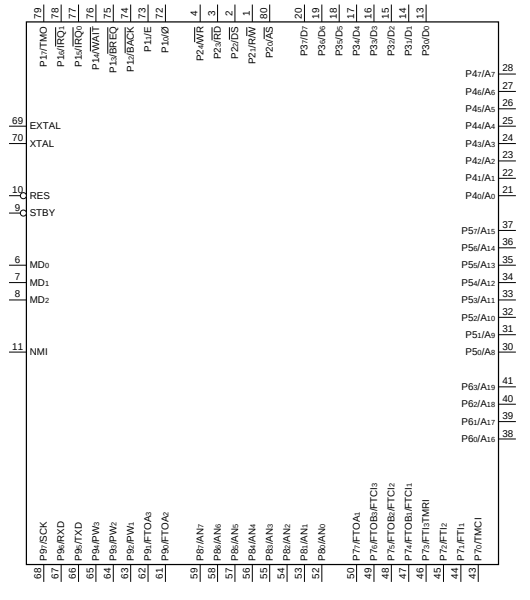
HD6475328F10(HITACHI)

C-MOS 16-BIT MICROPROCESSOR

— TOP VIEW —



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	P21/R/$\overline{W}$	28	I/O	P47/A7	55	I/O	P83/AN3
2	I/O	P22/$\overline{DS}$	29	—	GND	56	I/O	P84/AN4
3	I/O	P23/$\overline{RD}$	30	I/O	P50/A8	57	I/O	P85/AN5
4	I/O	P24/$\overline{WR}$	31	I/O	P51/A9	58	I/O	P86/AN6
5	—	VDD	32	I/O	P52/A10	59	I/O	P87/AN7
6	I	MD0	33	I/O	P53/A11	60	—	AVDD
7	I	MD1	34	I/O	P54/A12	61	I/O	P90/FTOA2
8	I	MD2	35	I/O	P55/A13	62	I/O	P91/FTOA3
9	I	$\overline{STBY}$	36	I/O	P56/A14	63	I/O	P92/PW1
10	I	$\overline{RES}$	37	I/O	P57/A15	64	I/O	P93/PW2
11	I	NMI	38	I/O	P60/A16	65	I/O	P94/PW3
12	—	GND	39	I/O	P61/A17	66	I/O	P95/TXD
13	I/O	P30/D0	40	I/O	P62/A18	67	I/O	P96/RXD
14	I/O	P31/D1	41	I/O	P63/A19	68	I/O	P97/SCK
15	I/O	P32/D2	42	—	VDD	69	I	EXTAL
16	I/O	P33/D3	43	I/O	P70/TMCI	70	I	XTAL
17	I/O	P34/D4	44	I/O	P71/FTI1	71	—	VSS
18	I/O	P35/D5	45	I/O	P72/FTI2	72	I/O	P10/ø
19	I/O	P36/D6	46	I/O	P73/FTI3/TMRI	73	I/O	P11/E
20	I/O	P37/D7	47	I/O	P74/FTOB1/FTCI1	74	I/O	P12/$\overline{BACK}$
21	I/O	P40/A0	48	I/O	P75/FTOB2/FTCI2	75	I/O	P12/$\overline{BREQ}$
22	I/O	P41/A1	49	I/O	P76/FTOB3/FTCI3	76	I/O	P12/WAIT
23	I/O	P42/A2	50	O	P77/FTOA1	77	I/O	P12/$\overline{IRQ0}$
24	I/O	P43/A3	51	—	AGND	78	I/O	P12/$\overline{IRQ1}$
25	I/O	P44/A4	52	I/O	P80/AN0	79	I/O	P12/TMO
26	I/O	P45/A5	53	I/O	P81/AN1	80	I/O	P12/$\overline{AS}$
27	I/O	P46/A6	54	I/O	P82/AN2			



INPUT

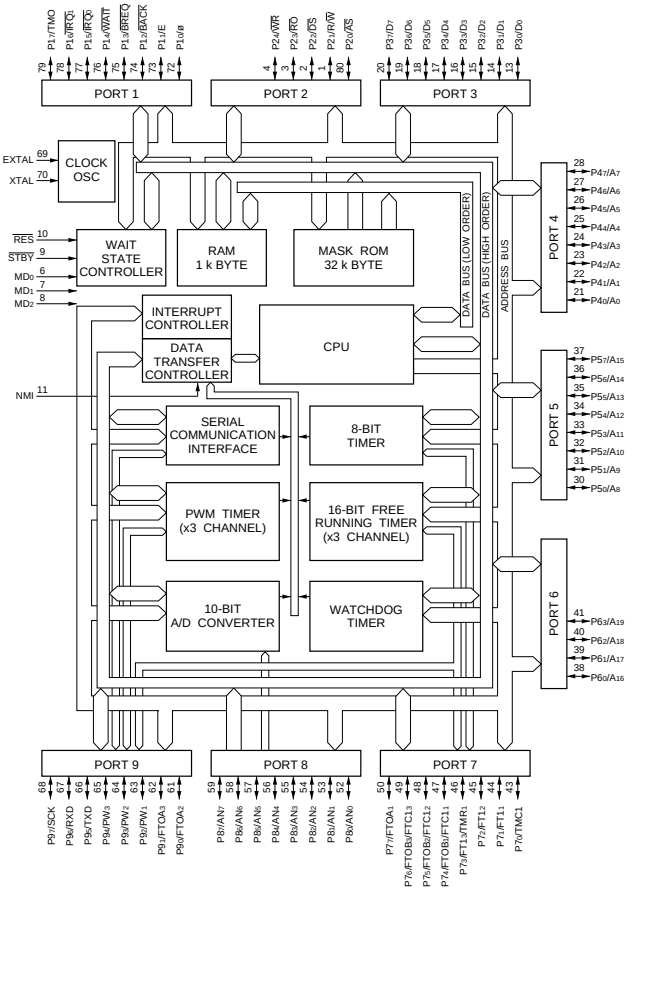
AN0-AN7	; ANALOG INPUT
BREQ	; BUS REQUEST
EXTAL	; CONNECTED TO CRYSTAL OSCILLATOR.
ETCI1-FTCI3	; FRT COUNTER CLOCK INPUT (CHANNEL 1 TO 3)
FTI1-FTI3	; FRT INPUT CAPTURE INPUT (CHANNEL 1 TO 3)
IRQ0, 1	; INTERRUPTION REQUEST 0 AND 1
MD0-MD2	; MODE SETTING
NMI	; NON MASKABLE INTERRUPTION
P80-P87	; PORT 8
RES	; RESET
RXD	; RECEIVE DATA
STBY	; STANDBY
TMCI	; 8-BIT TIMER CLOCK INPUT
TMRI	; 8-BIT TIMER COUNTER RESET INPUT
WAIT	; WAIT
XTAL	; CONNECTED TO CRYSTAL OSCILLATOR.

OUTPUT

A0-A19	; ADDRESS BUS
AS	; ADDRESS STROBE
BACK	; BUS REQUEST ACKNOWLEDGE
DS	; DATA STROBE
E	; ENABLE CLOCK
FTOA1-FTOA3	; FRT OUTPUT COMPARE A OUTPUT (CHANNEL 1 TO 3)
FTOB1-FTOB3	; FRT OUTPUT COMPARE B OUTPUT (CHANNEL 1 TO 3)
PW1-PW3	; PWM TIMER OUTPUT (CHANNEL 1 TO 3)
R/W	; READ/WRITE
RD	; READ
TMO	; 8-BIT TIMER OUTPUT
TXD	; SEND DATA
WR	; WRITE
ø	; SYSTEM CLOCK

INPUT/OUTPUT

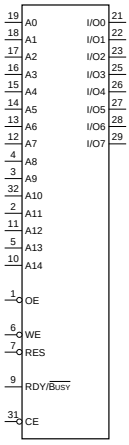
D0-D7	; DATA BUS
P10-P17	; PORT 1
P20-P24	; PORT 2
P30-P37	; PORT 3
P40-P47	; PORT 4
P50-P57	; PORT 5
P60-P63	; PORT 6
P70-P77	; PORT 7
P90-P97	; PORT 9
SCK	; SERIAL CLOCK INPUT/OUTPUT



HN58C257T(HITACHI)FLAT PACKAGE

32K(32768×8)-BIT EEPROM
-TOP VIEW-

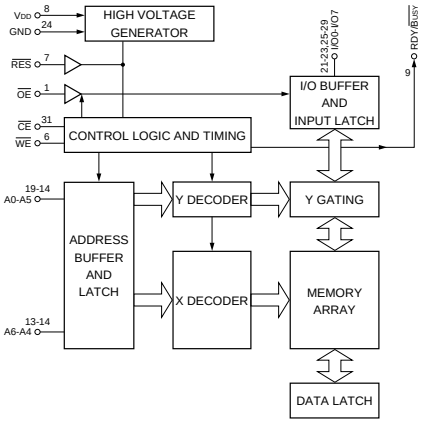




A0-A14 ; ADDRESS INPUT
I/O0-I/O7 ; DATA INPUT/OUTPUT
$\overline{CE}$; CHIP ENABLE INPUT
$\overline{OE}$; OUTPUT ENABLE INPUT
RDY/$\overline{BUSY}$; REDY/BUSY INPUT
$\overline{RES}$; RESET INPUT
$\overline{WE}$; WRITE ENABLE INPUT

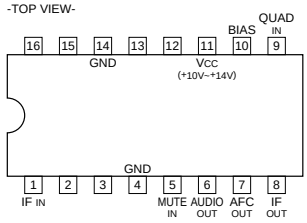
PIN / MODE	$\overline{CE}$	$\overline{OE}$	$\overline{WE}$	RDY/$\overline{BUSY}$	$\overline{RES}$	I/O
READ	0	0	1	HIGH Z	1	DOUT
STANDBY	1	X	X	HIGH Z	X	HIGH Z
WRITE	0	1	0	HIGH Z→VOL	1	DIN
DESELECT	0	1	1	HIGH Z	1	HIGH Z
WRITE INHIBIT	X	X	1	HIGH Z	X	–
WRITE INHIBIT	X	0	X	HIGH Z	X	–
$\overline{DATA}$ POLLING	0	0	1	VOL	1	DATA OUT
PROGRAM RESET	X	X	X	HIGH Z	0	HIGH Z

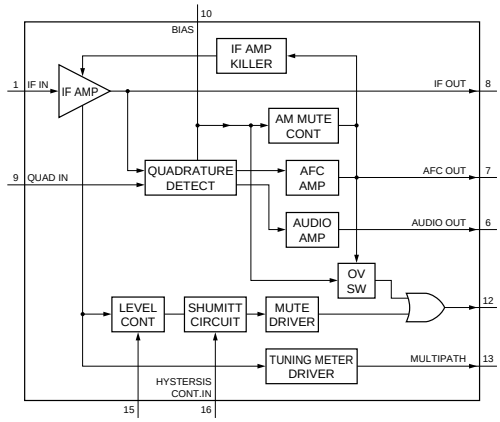
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



LA1235(SANYO)

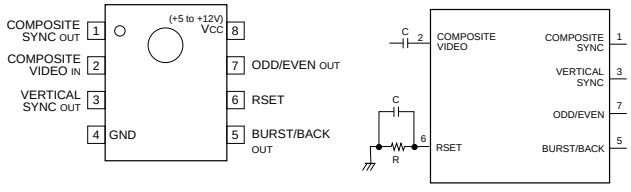
FM IF DEMODULATOR
-TOP VIEW-

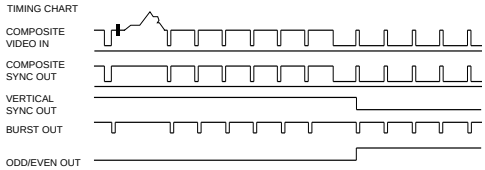




LM1881M(NS)FLAT PACKAGE

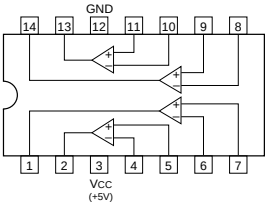
VIDEO SYNC SEPARATOR
—TOP VIEW—





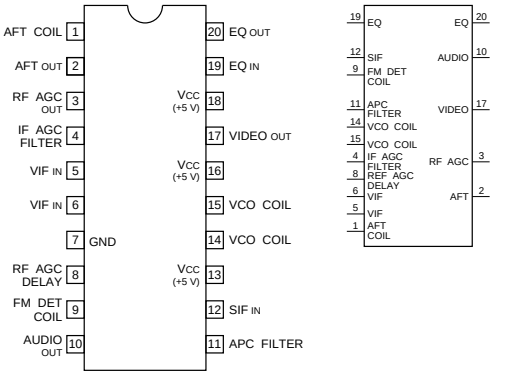
LM339NS(TI)FLAT PACKAGE

QUAD COMPARATORS
—TOP VIEW—



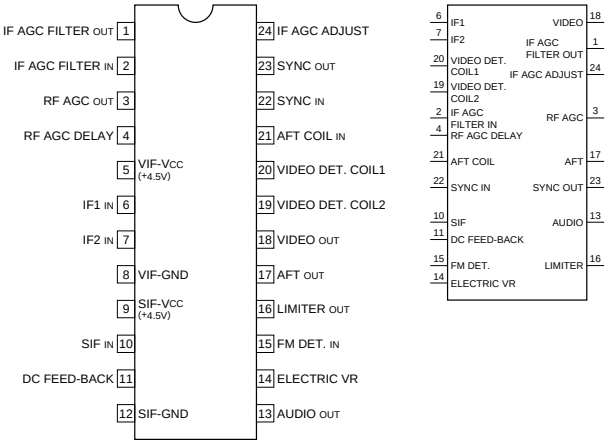
M52313SP(MITSUBISHI)

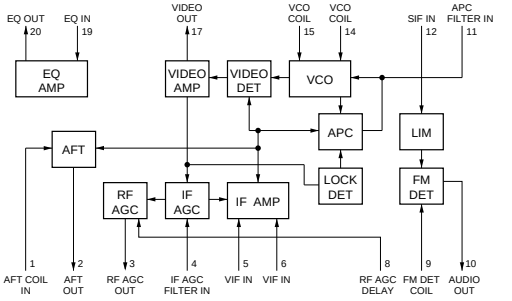
PLL VIF/SIF
— TOP VIEW —

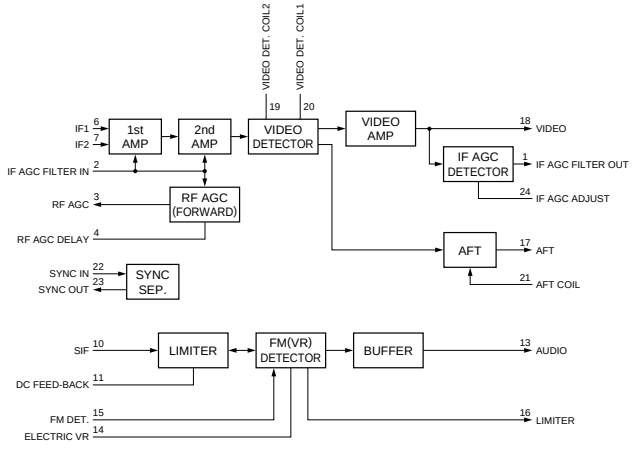


M51348AFP(MITSUBISHI)FLAT PACKAGE

POCKET TV IF SYSTEM
-TOP VIEW-

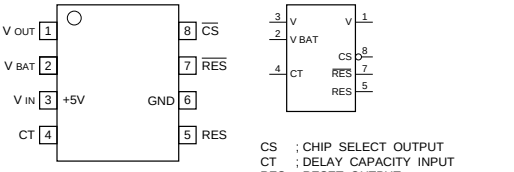




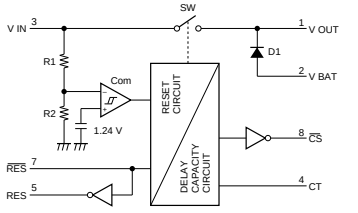


M62021FP(MITSUBISHI)FLAT PACKAGE

SELECTION SW BUILT-IN SYSTEM RESET
— TOP VIEW —

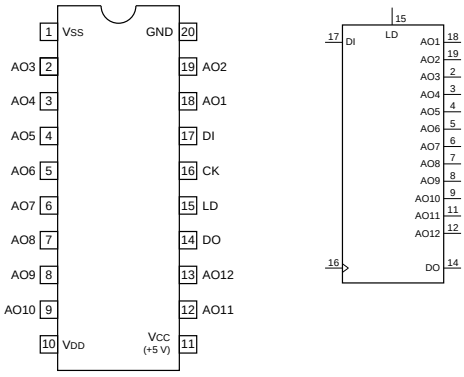


CS ; CHIP SELECT OUTPUT
CT ; DELAY CAPACITY INPUT
RES ; RESET OUTPUT
VBAT ; VIDEO SIGNAL BACKUP INPUT
VIN ; VIDEO SIGNAL INPUT
VOUT ; VIDEO SIGNAL OUTPUT



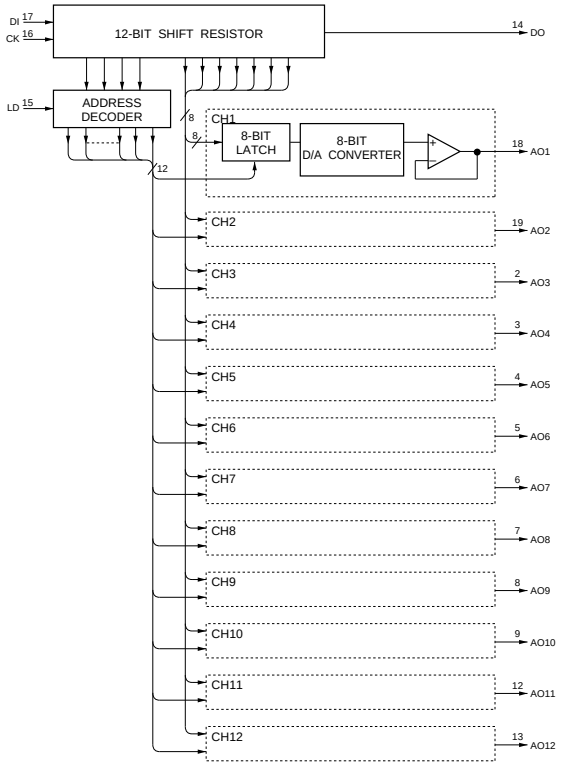
M62352GP(MITSUBISHI)FLAT PACKAGE

C-MOS 8-BITx12 CHANNEL D/A CONVERTER
(WITH BUFFER OPERATIONAL AMPLIFIER)
— TOP VIEW —



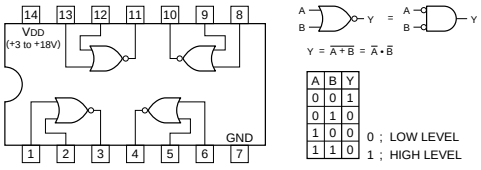
AO1-AO12	; 8-BIT D/A OUTPUTS
CK	; CLOCK INPUT
DI	; SERIAL DATA INPUT
DO	; DATA OUTPUT

NOTE:
3.5 V < VDD < VCC
–3.5 V < VSS < VCC



MC14001BF(MOTOROLA)FLAT PACKAGE

C-MOS 2-INPUT NOR GATE
-TOP VIEW-

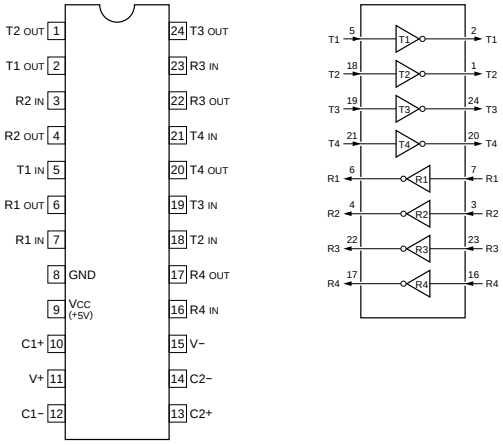


A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

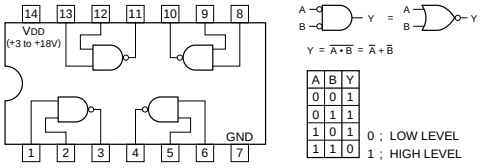
MAX238CWG(MAXIM)FLAT PACKAGE

+5V POWER RS-232 DRIVERS/RECEIVERS
-TOP VIEW-



MC14011BF(MOTOROLA)FLAT PACKAGE

C-MOS 2-INPUT NAND GATE
-TOP VIEW-

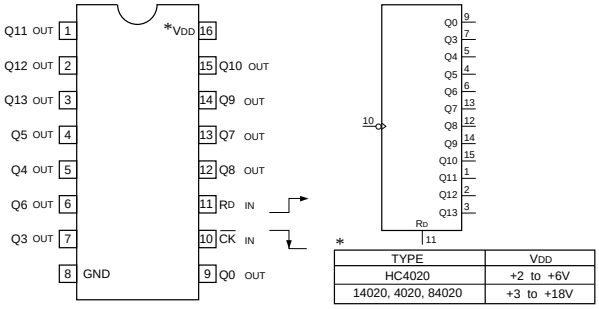


A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

MC14020BF(MOTOROLA)FLAT PACKAGE

C-MOS 14-STAG RIPPLE-CARRY BINARY COUNTER/DRIVER
—TOP VIEW—



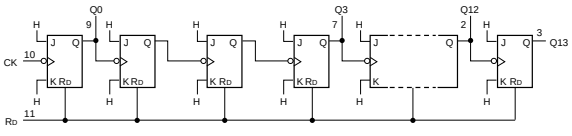
TYPE	VDD
HC4020	+2 to +6V
14020, 4020, 84000	+3 to +18V

COUNT		BINARY OUTPUTS											
		Q13	Q12	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q0
0	0000	0	0	0	0	0	0	0	0	0	0	0	0
1	0001	0	0	0	0	0	0	0	0	0	0	0	1
2	0002	0	0	0	0	0	0	0	0	0	0	0	0
3	0003	0	0	0	0	0	0	0	0	0	0	0	1
4	0004	0	0	0	0	0	0	0	0	0	0	0	0
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
16380	4FFC	1	1	1	1	1	1	1	1	1	1	1	0
16381	4FFD	1	1	1	1	1	1	1	1	1	1	1	1
16382	4FFE	1	1	1	1	1	1	1	1	1	1	1	0
16383	4FFF	1	1	1	1	1	1	1	1	1	1	1	1

IN HEXADECIMAL
IN DECIMAL

0 ; LOW LEVEL
1 ; HIGH LEVEL

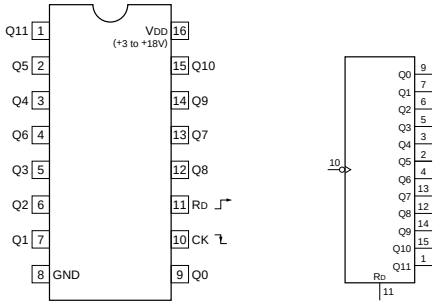
RD	Q13-Q0
1	ALL LOW
0	COUNT

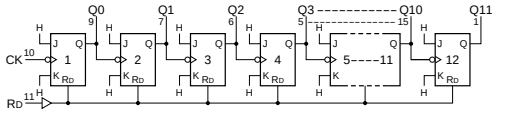


MC14040BF(MOTOROLA)FLAT PACKAGE

C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER

-TOP VIEW-





COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	1	1
4095	1	1	1	1	1	1	1	1	1	1	1	1

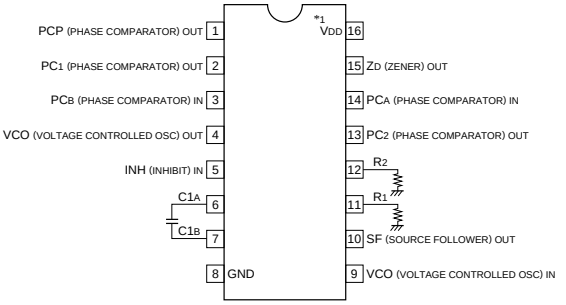
RD	Q11--------Q0
1	ALL LOW
0	COUNT

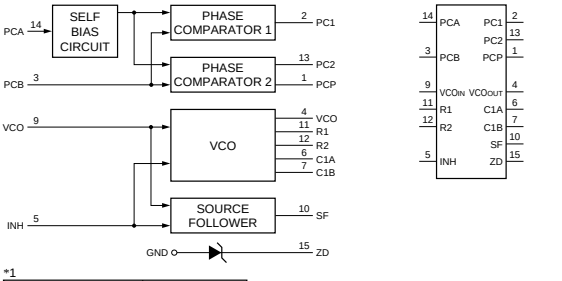
0 ; LOW LEVEL
1 ; HIGH LEVEL

MC14046BF(MOTOROLA)FLAT

C-MOS PHASE LOCKED LOOP

-TOP VIEW-





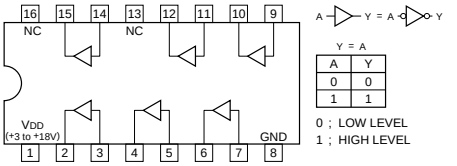
*1

TYPE	VDD
CD4046BE HD14046BP MC14046BCP MC14046BF TC4046BP	+3 to +8V
CD74HC4046AM MC74HC4046AF MC74HC4046AN	+2 to +6V

MC14050BF(MOTOROLA)FLAT PACKAGE

C-MOS NON-INVERTING TYPE BUFFER/CONVERTER

-TOP VIEW-



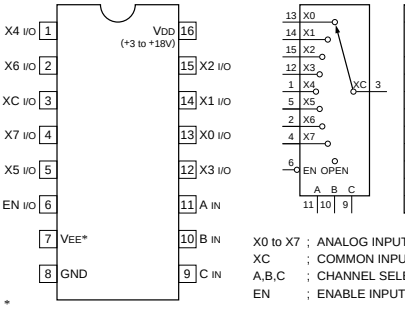
A	Y
0	0
1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

MC14051BF(MOTOROLA)FLAT PACKAGE

C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER

-TOP VIEW-



CONTROL INPUTS				SELECTED CHANNEL
EN	SELECT			
	C	B	A	
0	0	0	0	X0
0	0	0	1	X1
0	0	1	0	X2
0	0	1	1	X3
0	1	0	0	X4
0	1	0	1	X5
0	1	1	0	X6
0	1	1	1	X7
1	X	X	X	OPEN

X0 to X7 ; ANALOG INPUTS/OUTPUTS
XC ; COMMON INPUT/OUTPUT
A,B,C ; CHANNEL SELECT INPUT
EN ; ENABLE INPUT

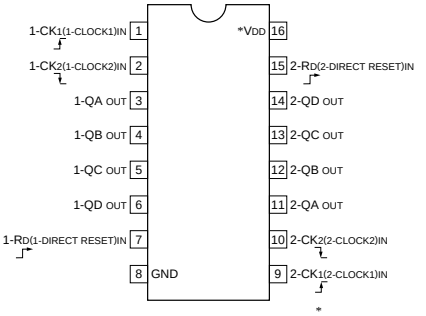
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

*
VEE ; VDD–VEE=+3 to +18V

MC14520BF(MOTOROLA)FLAT PACKAGE

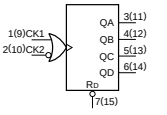
C-MOS DUAL 4-BIT BINARY UP COUNTER

-TOP VIEW-



STATE	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE



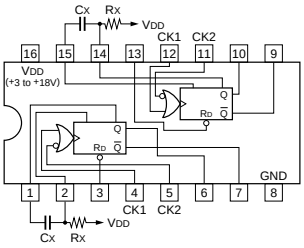
CK1	CK2	RD	ACTION
↓	1	0	INCREMENT COUNTER
0	↓	0	INCREMENT COUNTER
↓	X	0	NO CHANGE
X	↓	0	NO CHANGE
↓	0	0	NO CHANGE
1	↓	0	NO CHANGE
X	X	1	QA THRU QD = 0

*

TYPE	VDD
HC4520	+2 to +6V
14520, 4520, 84520	+3 to +18V

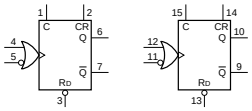
MC14528BF(MOTOROLA)FLAT PACKAGE

C-MOS RETRIGGERABLE/RESETTABLE MMV
-TOP VIEW-



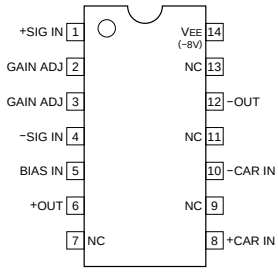
INPUTS			OUTPUTS	
CK1	CK2	RD	Q	$\overline{Q}$
↓	1	1	⌐	⌐
↓	0	1	Q	$\overline{Q}$
1	↑	1	Q	$\overline{Q}$
0	↑	1	⌐	⌐
X	X	0	0	1

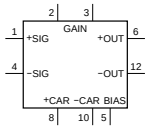
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE



MC1496M(MOTOROLA)FLAT PACKAGE
NJM1496M(JRC)FLAT PACKAGE

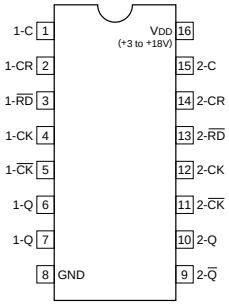
BALANCED MODULATOR/DEMODULATOR
-TOP VIEW-

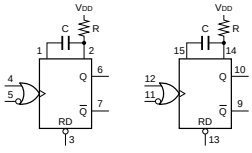




MC14538BF(MOTOROLA)FLAT PACKAGE

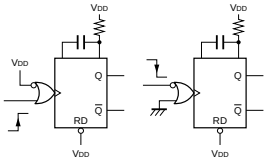
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS
-TOP VIEW-



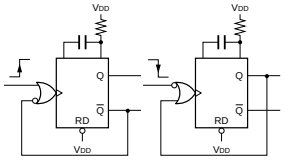


OUTPUT PULSE WIDTH = C·R

RETRIGGERABLE M.M.V

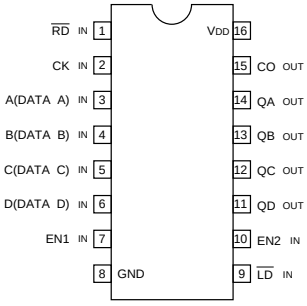


NON-RETRIGGERABLE M.M.V



MC74HC163AF(MOTOROLA)FLAT PACKAGE

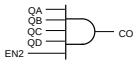
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
—TOP VIEW—



MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	X	X	X	RESET (SYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

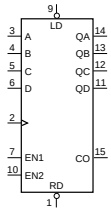
CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

NOTE:

TYPE	VDD
HC	+2 to +6V
AC/VHC	+2 to +5.5V
HCT/ACT/FCT	+5V

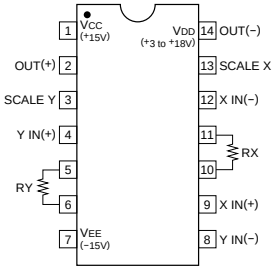


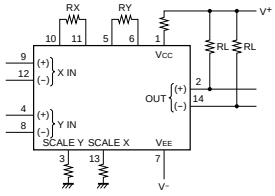
COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

MC1495M(MOTOROLA)FLAT PACKAGE

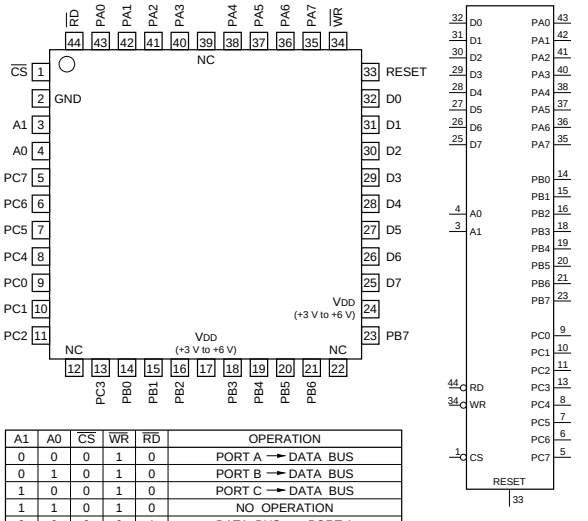
FOUR-QUADRANT MULTIPLIER
-TOP VIEW-





MSM82C55A-2GS(OKI)FLAT PACKAGE

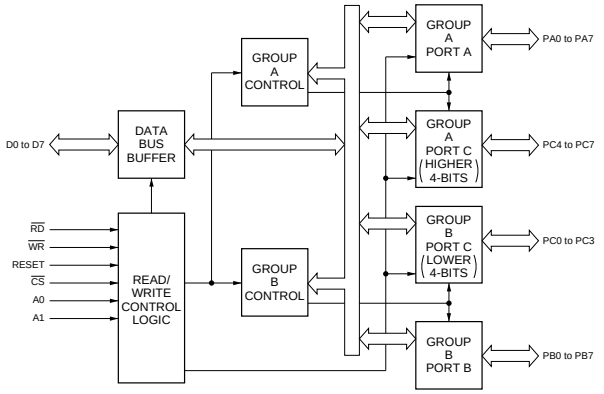
C-MOS PROGRAMMABLE PERIPHERAL INTERFACE
— TOP VIEW —



A1	A0	$\overline{CS}$	$\overline{WR}$	$\overline{RD}$	OPERATION
0	0	0	1	0	PORT A → DATA BUS
0	1	0	1	0	PORT B → DATA BUS
1	0	0	1	0	PORT C → DATA BUS
1	1	0	1	0	NO OPERATION
0	0	0	0	1	DATA BUS → PORT A
0	1	0	0	1	DATA BUS → PORT B
1	0	0	0	1	DATA BUS → PORT C
1	1	0	0	1	DATA BUS → CONTROL REGISTER
X	X	1	X	X	HIGH IMPEDANCE

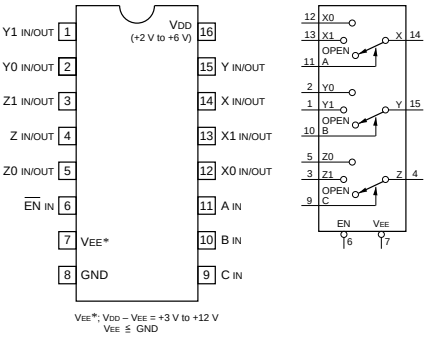
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

A0, A1 ; PORT SELECT ADDRESS
$\overline{CS}$; CHIP SELECT
D0 to 7 ; DATA BUS
PA0 to 7 ; PORT A IN/OUT
PB0 to 7 ; PORT B IN/OUT
PC0 to 7 ; PORT C IN/OUT
$\overline{RD}$; READ
$\overline{WR}$; WRITE



MC74HC4053F(MOTOROLA)FLAT PACKAGE

C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
— TOP VIEW —



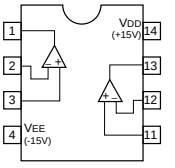
VEE*; VDD – VEE = +3 V to +12 V
VEE ≦ GND

CONTROL INPUTS				ON CHANNEL		
EN	SELECT					
	C	B	A			
0	0	0	0	Z0	Y0	X0
0	0	0	1	Z0	Y0	X1
0	0	1	0	Z0	Y1	X0
0	0	1	1	Z0	Y1	X1
0	1	0	0	Z1	Y0	X0
0	1	0	1	Z1	Y0	X1
0	1	1	0	Z1	Y1	X0
0	1	1	1	Z1	Y1	X1
1	X	X	X	OPEN		

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

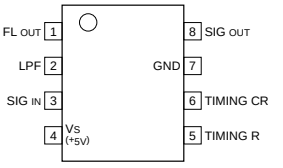
NJM4556M(JRC)FLAT PACKAGE

OPERATIONAL AMPLIFIER
(WIDE BAND, DECOMPENSATED)
—TOP VIEW—



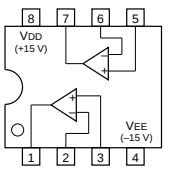
NJM567M(JRC)FLAT PACKAGE

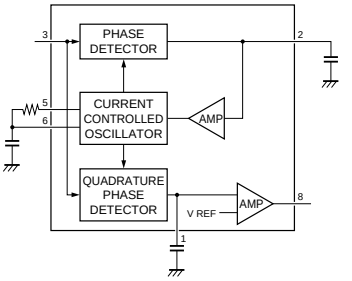
TONE DECODER
-TOP VIEW-



NJM2043M-D(JRC)FLAT PACKAGE
NJM4560M(JRC)FLAT PACKAGE
UPC4558G2(NEC)FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIER
— TOP VIEW —

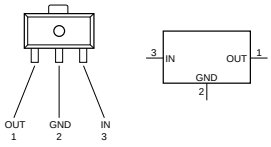




NJM78L05UA(JRC)+5 V(100 mA)
NJM78L09UA(JRC)+9 V(100 mA)

POSITIVE VOLTAGE REGULATOR

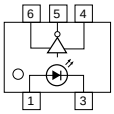
-SIDE VIEW-



PC410(SHARP)FLAT PACKAGE

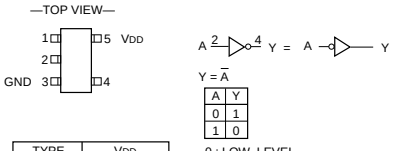
OPIC-OUTPUT PHOTO COUPLER

—TOP VIEW—



SC7S04F(MOTOROLA)CHIP PACKAGE
TC4S69F(TOSHIBA)CHIP PACKAGE

C-MOS INVERTER



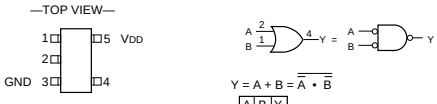
A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TYPE	VDD
7S04F 7SU04F 7SU04FU	+2 to +6V
4S69F 4SU69F	+3 to +18V
7SH04FU	+2 to +5.5V

SC7S32F(MOTOROLA)CHIP PACKAGE

C-MOS 2-INPUT OR GATE



A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

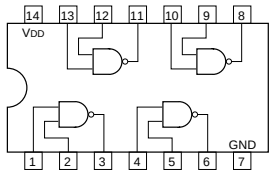
0 ; LOW LEVEL
1 ; HIGH LEVEL

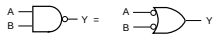
TYPE	VDD
7S32F 7S32FU	+2 to +6V
4S71F	+3 to +18V
7SH32FU	–2 to +5.5V

SN74HC00ANS(TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT NAND GATES

—TOP VIEW—





$Y = \overline{A \cdot B} = \bar{A} + \bar{B}$

A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

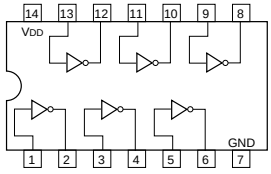
NOTE:

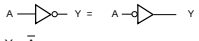
TYPE	VDD
TC74AC00 TYPE TC74VHC00	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC04ANS(TI)FLAT PACKAGE

C-MOS HEX INVERTERS

—TOP VIEW—





$Y = \bar{A}$

A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

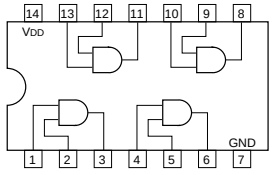
NOTE:

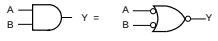
TYPE	VDD
74HCT04 TYPE	+5V
TC74AC04 TYPE TC74VHC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC08ANS(TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT AND GATES

—TOP VIEW—





$Y = A \cdot B = \overline{\bar{A} + \bar{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

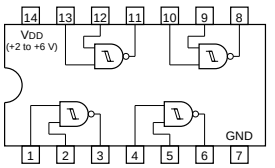
0 ; LOW LEVEL
1 ; HIGH LEVEL

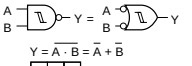
NOTE:

TYPE	VDD
TC74AC08 TYPE MC74ACT08M	+2 to +5.5V
TC40H	+2 to +8V
OTHER TYPES	+2 to +6V

SN74HC132ANS(TI)FLAT PACKAGE

C-MOS 2-INPUT NAND SCHMITT TRIGGER
—TOP VIEW—





A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

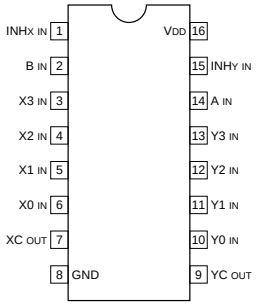
0 ; LOW LEVEL
1 ; HIGH LEVEL

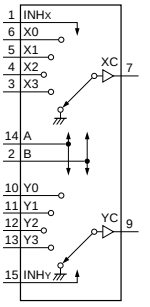
NOTE:

TYPE	VDD
HC	+2 to +6 V
VHC	+2 to +5.5 V

SN74HC153ANS(TI)FLAT PACKAGE

C-MOS DUAL 4-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
-TOP VIEW-





NOTE:

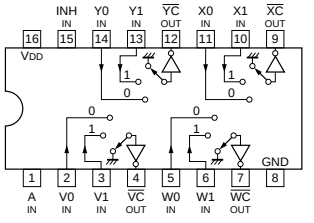
TYPE	VDD
ACT/HCT/FCT	+5V
40H	+2 to +8V
TC74AC/TC74VHC	+2 to +5.5V
OTHER TYPES	+2 to +6V

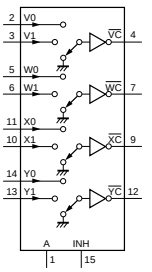
CONTROL IN			ON
INH	B	A	CHANNEL
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	GND

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

SN74HC158ANS(TI)FLAT PACKAGE

C-MOS 2-LINE-TO-1-LINE INVERTED DATA SELECTOR/MULTIPLEXER
-TOP VIEW-





CONT. IN		ON
INH	A	CHANNEL
0	0	0
0	1	1
1	X	GND

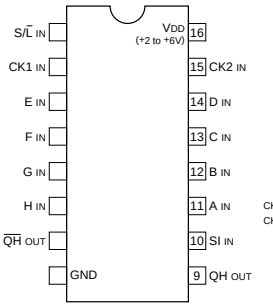
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

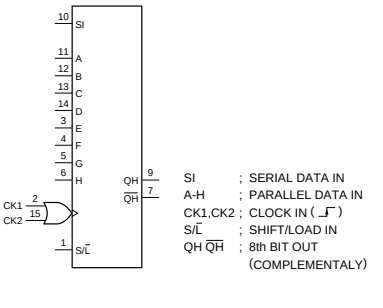
NOTE :

TYPE	VDD
74AC/HC	+2 to +6V
74ACT/HCT	+5V

SN74HC165ANS(TI)FLAT PACKAGE

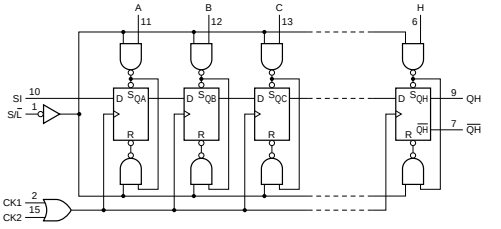
C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER
-TOP VIEW-





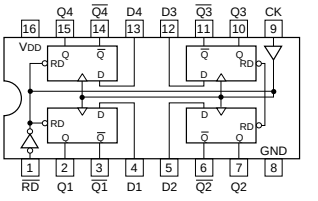
INPUTS				CONTENTS		OUTPUT	OPERATION
S/L	CK1+CK2	SI	A---------H	QA	QB-----	QH	
0	X	X	a---------h	a	b-----	h	PARALLEL LOAD
1	_|‾	0	X	0	QAo---	QGo	RIGHT SHIFT
1	_|‾	1	X	1	QAo---	QGo	
1	‾|_	X	X	QAo	QBo---	QHo	NO COUNT
1	0	X	X	QAo	QBo---	QHo	
1	1	X	X	QAo	QBo---	QHo	

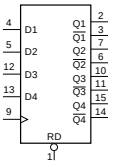
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
a-h ; LEVEL OF INPUTS A-H
QAo-QHo ; LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED



SN74HC175ANS(TI)FLAT PACKAGE

C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET
—TOP VIEW—





RD	CK	D	Q	Q
0	X	X	0	1
1	_|‾	1	1	0
1	_|‾	0	0	1
1	0	X	Q0	Q0

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
Q0 ; NO CHANGE
Q0 ; NO CHANGE

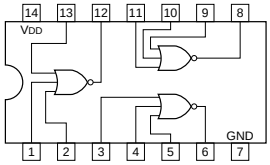
NOTE:

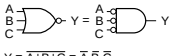
TYPE	VDD
AC TYPE	+2V to +5.5V
74ACT175 TYPE	+4.5V to 5.5V
OTHER TYPES	+2V to 6V

SN74HC27AN(TI)

C-MOS 3-LINE POSITIVE-NOR GATE

-TOP VIEW-





A	B	C	Y
0	0	0	1
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

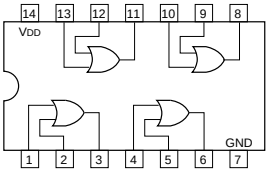
NOTE :

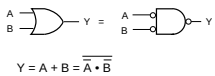
TYPE	VDD
TC40H	+2 to +8V
OTHERS	+2 to +6V

SN74HC32ANS(TI)FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES

—TOP VIEW—





A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

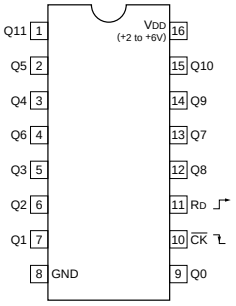
NOTE:

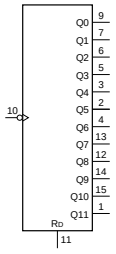
TYPE	VDD
AC/VHC	+2 to +5.5V
HC	+2 to +6V

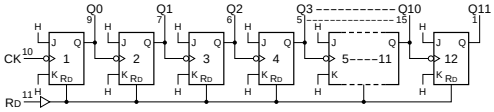
SN74HC4040ANS(TI)FLAT

C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER

-TOP VIEW-







COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	1	1
4095	1	1	1	1	1	1	1	1	1	1	1	1

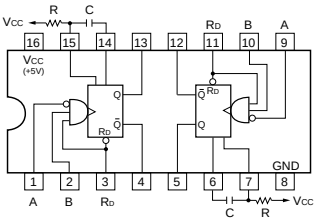
RD	Q11-------Q0
1	ALL LOW
0	COUNT

0 ; LOW LEVEL
1 ; HIGH LEVEL

SN74LS123NS(TI)FLAT PACKAGE

TTL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS WITH DIRECT RESET

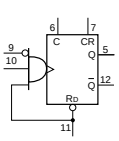
—TOP VIEW—

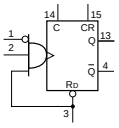


INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⎍	⎍
1	↑	1	⎍	⎍
↑	0	1	⎍	⎍

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

OUTPUT PULSE WIDTH







'123 ;TW=0.28 (1+ $\frac{700}{R}$) CR

'L123;TW=0.33 (1+ $\frac{700}{R}$) CR



'123 ;TW=0.25 (1+ $\frac{700}{R}$) CR

'L123;TW=0.29 (1+ $\frac{700}{R}$) CR

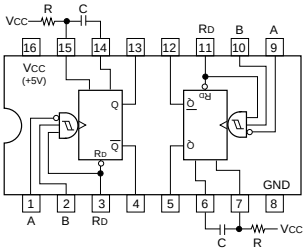


'LS123;TW=0.45CR

SN74LS221NS(TI)FLAT PACKAGE

TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT

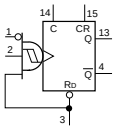
—TOP VIEW—

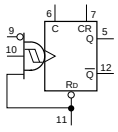


INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⎍	⎍
1	↓	1	⎍	⎍
↑	0	1	⎍	⎍

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

OUTPUT PULSE WIDTH = 0.7CR

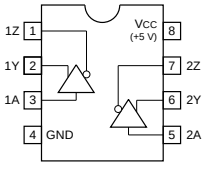




SN75158PS(TI)

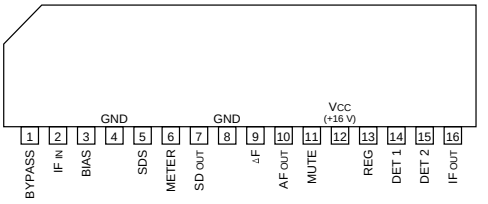
DUAL DIFFERENTIAL LINE DRIVE

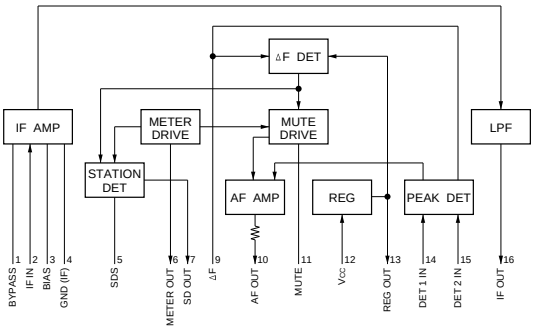
— TOP VIEW —



TA8129Z(TOSHIBA)

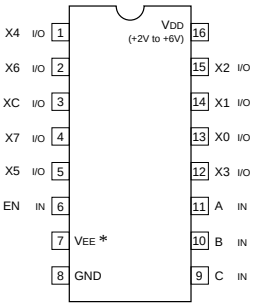
FM IF SYSTEM (DIFFERENTIAL PEAK DETECT)
— SIDE VIEW —





TC74HC4051AF(MOTOROLA)FLAT PACKAGE

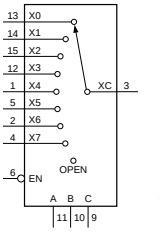
C-MOS 8-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
—TOP VIEW—



VEE * ; VDD – VEE=+3V to +12V

CONTROL INPUTS				SELECTED CHANNEL
EN	SELECT			
	C	B	A	
0	0	0	0	X0
0	0	0	1	X1
0	0	1	0	X2
0	0	1	1	X3
0	1	0	0	X4
0	1	0	1	X5
0	1	1	0	X6
0	1	1	1	X7
1	X	X	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

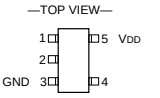


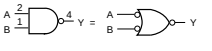
X0 to X7 ; ANALOG INPUTS/OUTPUTS
XC ; COMMON INPUT/OUTPUT
A, B, C ; CHANNEL SELECT INPUT
EN ; ENABLE INPUT

TC7S08F(TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

—TOP VIEW—





$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

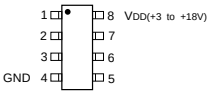
0 ; LOW LEVEL
1 ; HIGH LEVEL

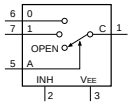
TYPE	VDD
7S08F 7S08FU	+2 to +6V
4S81F 14S81F	+3 to +18V
7SH08FU	–2 to +5.5V

TC4W53F(TOSHIBA)CHIP PACKAGE(5.0 X 3.1)

C-MOS 2-CHANNEL MULTIPLEXER / DEMULTIPLEXER

—TOP VIEW—



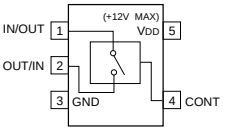


CONT.INPUT		ON CHANNEL
INH	A	
0	0	0
0	1	1
1	X	OPEN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

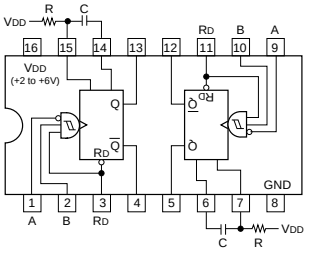
TC7S66F(TOSHIBA)

C-MOS ANALOG SWITCH
—TOP VIEW—



TC74HC221AF(TOSHIBA)FLAT PACKAGE

C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
—TOP VIEW—



INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

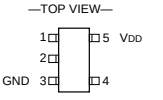
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

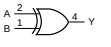
OUTPUT PULSE WIDTH = 0.7CR

TC4S30F(TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT EXCLUSIVE OR GATE

—TOP VIEW—





$Y = \overline{A} \cdot B + A \cdot \overline{B}$

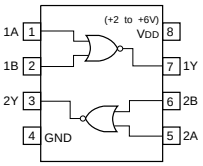
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

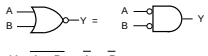
0 ; LOW LEVEL
1 ; HIGH LEVEL

TYPE	VDD
7S86FU 7S86F	+2 to +6V
4S30F	+3 to +18V

TC7W02F(TOSHIBA)FLAT PACKAGE

C-MOS DUAL 2-INPUT NOR GATE
—TOP VIEW—





$Y = \overline{A + B} = \overline{A} \cdot \overline{B}$

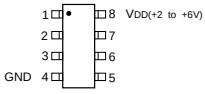
A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

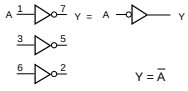
0 ; LOW LEVEL
1 ; HIGH LEVEL

TC7W04F(TOSHIBA)CHIP PACKAGE
TC7W04FU(TOSHIBA)CHIP PACKAGE

C-MOS HEX INVERTERS

—TOP VIEW—





$Y = \overline{A}$

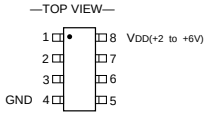
A	Y
0	1
1	0

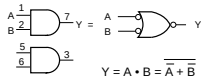
0 ; LOW LEVEL
1 ; HIGH LEVEL

TC7W08F(TOSHIBA)CHIP PACKAGE

C-MOS 2-INPUT AND GATE

—TOP VIEW—





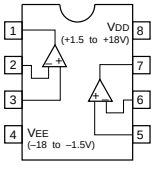
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

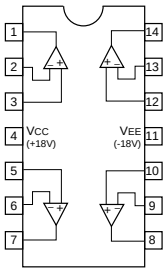
TL062CPS(TI)FLAT PACKAGE
TL082M(TI)

OPERATIONAL AMPLIFIER
(J FET INPUT)
—TOP VIEW—



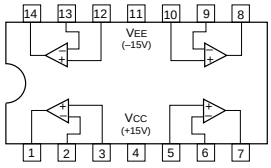
TL064CNS(TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER
(J FET INPUT)
—TOP VIEW—



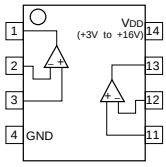
TL084CNS(TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER
(J FET INPUT)
—TOP VIEW—



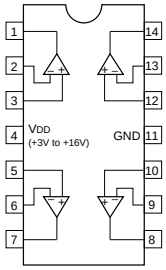
TLC272CPS(TI)FLAT PACKAGE

OPERATIONAL AMPLIFIER
—TOP VIEW—



TLC274CNS(TI)FLAT PACKAGE

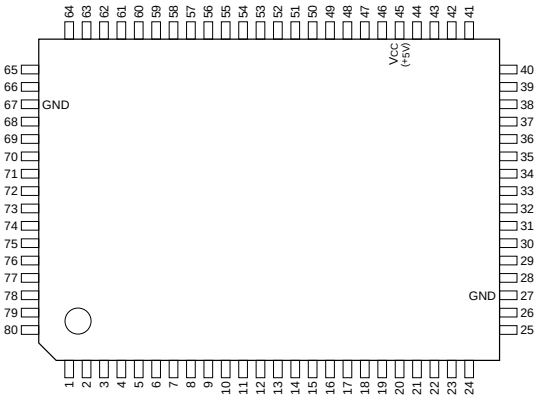
C-MOS OPERATIONAL AMPLIFIER
—TOP VIEW—

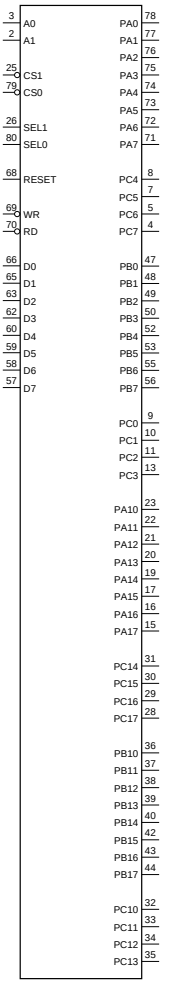


TMP82C265BF-2(5MHz)(TOSHIBA)FLAT PACKAGE

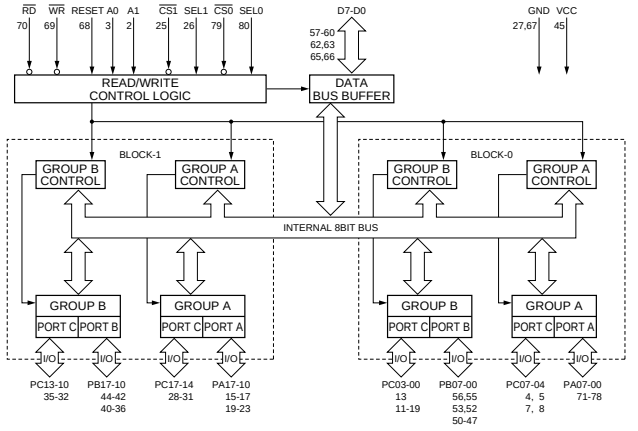
C-MOS PROGRAMMABLE PERIPHERAL INTERFACE

-TOP VIEW-





PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	–	NC	21	I/O	PA12	41	–	NC	61	–	NC
2	I	A1	22	I/O	PA11	42	I/O	PB15	62	I/O	D3
3	I	A0	23	I/O	PA10	43	I/O	PB16	63	I/O	D2
4	I/O	PC07	24	–	NC	44	I/O	PB17	64	–	NC
5	I/O	PC06	25	I	$\overline{CS1}$	45	–	Vcc	65	I/O	D1
6	–	NC	26	I	SEL1	46	–	NC	66	I/O	D0
7	I/O	PC05	27	–	GND	47	I/O	PB00	67	–	GND
8	I/O	PC04	28	I/O	PC17	48	I/O	PB01	68	I	RESET
9	I/O	PC00	29	I/O	PC16	49	I/O	PB02	69	I	$\overline{WR}$
10	I/O	PC01	30	I/O	PC15	50	I/O	PB03	70	I	$\overline{RD}$
11	I/O	PC02	31	I/O	PC14	51	–	NC	71	I/O	PA7
12	–	NC	32	I/O	PC10	52	I/O	PB04	72	I/O	PA6
13	I/O	PC03	33	I/O	PC11	53	I/O	PB05	73	I/O	PA5
14	–	NC	34	I/O	PC12	54	–	NC	74	I/O	PA4
15	I/O	PA17	35	I/O	PC13	55	I/O	PB06	75	I/O	PA3
16	I/O	PA16	36	I/O	PB10	56	I/O	PB07	76	I/O	PA2
17	I/O	PA15	37	I/O	PB11	57	I/O	D7	77	I/O	PA1
18	–	NC	38	I/O	PB12	58	I/O	D6	78	I/O	PA0
19	I/O	PA14	39	I/O	PB13	59	I/O	D5	79	I	$\overline{CS0}$
20	I/O	PA13	40	I/O	PB14	60	I/O	D4	80	I	SEL0



INPUT

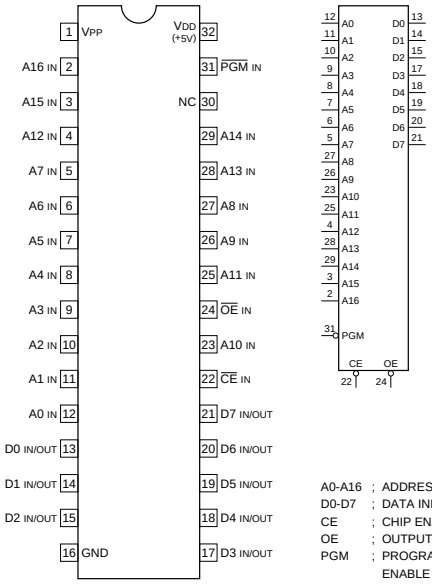
A0-A1 ; ADDRESS LINE
$\overline{CS0}$-$\overline{CS1}$; CHIP SELECT
$\overline{RD}$; READ CONTROL
R/$\overline{W}$; READ/WRITE CONTROL
RESET ; RESET
SEL ; GENERAL MODE/OUTPUT MODE SELECT CONTROL
$\overline{WR}$; WRITE CONTROL

INPUT/OUTPUT

D0-D7 ; DATA BUS
PA0-PA17 ; INPUT/OUTPUT PORT A
PB0-PB17 ; INPUT/OUTPUT PORT B
PC0-PC17 ; INPUT/OUTPUT PORT C

TMS27C010A-10JL(TI)

C-MOS 1M(131072×8)-BIT EPROM
-TOP VIEW-



A0-A16 ; ADDRESS INPUTS
D0-D7 ; DATA INPUTS/OUTPUTS
CE ; CHIP ENABLE INPUT
OE ; OUTPUT ENABLE INPUT
PGM ; PROGRAM INPUT/OUTPUT ENABLE INPUT

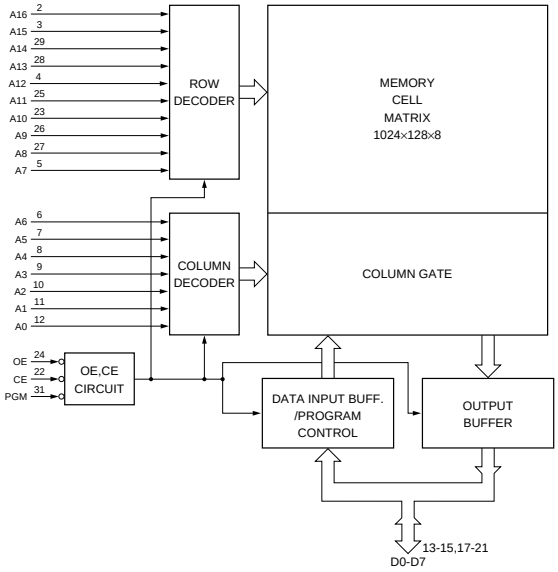
READ MODE(V_{DD} = +5V,V_{PP} = +5V)

OE	CE	PGM	A0-A16	D0-D7	FUNCTION
0	0	1	A IN	D OUT	ACTIVE
X	1	X	X	HI-Z	STANDBY
1	0	X	A IN	HI-Z	OUTPUT DISABLE
X	0	0	A IN		

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH-IMPEDANCE

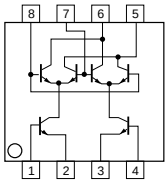
PROGRAM MODE(V_{DD} = +6V,V_{PP} = +12.5V)

MODE	OE	CE	PGM	A0-A16	D0-D7	FUNCTION
1-BYTE PROGRAM MODE	1	0	0	A IN	D IN	PROGRAM
	0	0	1	A IN	D OUT	VERIFY
	1	0	1	A IN	HI-Z	PROGRAM INHIBIT
4-BYTE PROGRAM MODE	1	1	1	A IN	D IN	PROGRAM DATA INPUT
	0	1	0	A0,A1 ; X A2-A16 ; A IN	HI-Z	PROGRAM
	0	0	1	A IN	D OUT	VERIFY
	0	1	1	A IN	HI-Z	PROGRAM INHIBIT



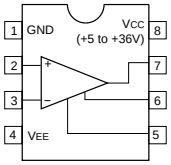
UPA101G(NEC)FLAT PACKAGE

TRANSISTOR ARRAY
—TOP VIEW—



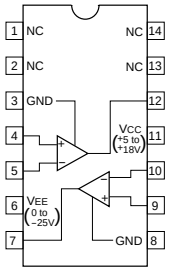
UPC311G2(NEC)FLAT PACKAGE

VOLTAGE COMPARATOR
-TOP VIEW-



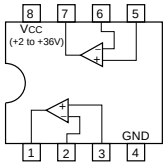
UPC319G2(NEC)FLAT PACKAGE

DUAL VOLTAGE COMPARATOR
-TOP VIEW-



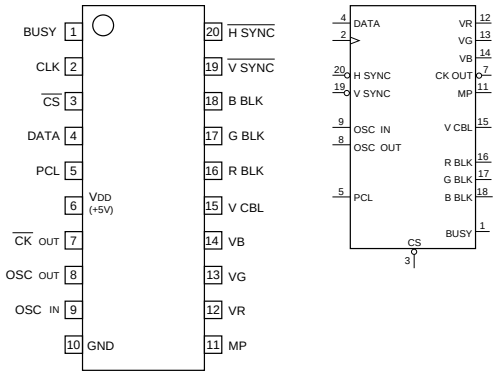
UPC393G2(NEC)FLAT PACKAGE

DUAL VOLTAGE COMPARATORS
—TOP VIEW—



UPD6453GT-610(NEC)FLAT PACKAGE

C-MOS ON-SCREEN CHARACTER DISPLAY
—TOP VIEW—

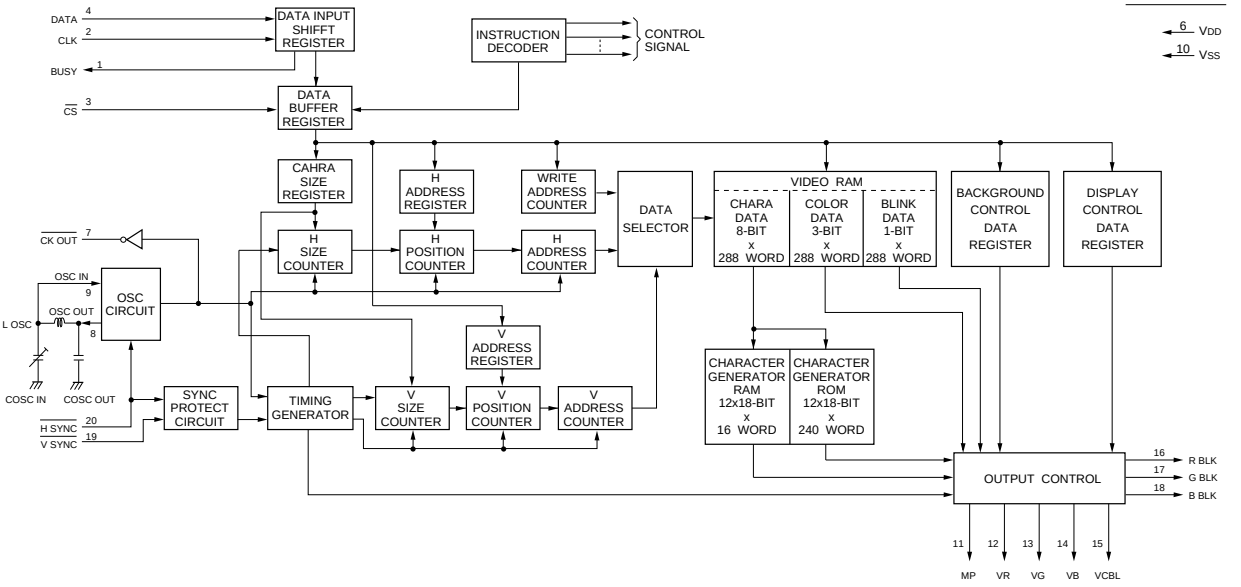


INPUT

CLK	;	CLOCK
CS	;	CHIP SELECT
DATA	;	SERIAL DATA
H SYNC	;	HORIZONTAL SYNC
OSC IN	;	OSCILLATOR IN
PCL	;	POWER ON CLEAR
V SYNC	;	VERTICAL SYNC

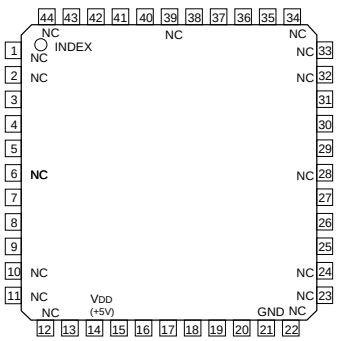
OUTPUT

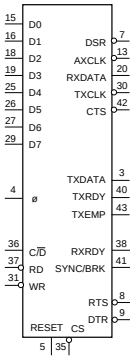
BBLK, RBLK, GBLK	;	B, R, G, BLANKING
BUSY	;	BUSY OUT
CK OUT	;	CLOCK
MP	;	MASK PULSE
OSC OUT	;	OSCILLATOR OUT
VR, VG, VB	;	R, G, B, CHARACTER DATA
VCBL	;	VIDEO CUT BLANKING



UPD71051G (NEC) FLAT PAKAGE

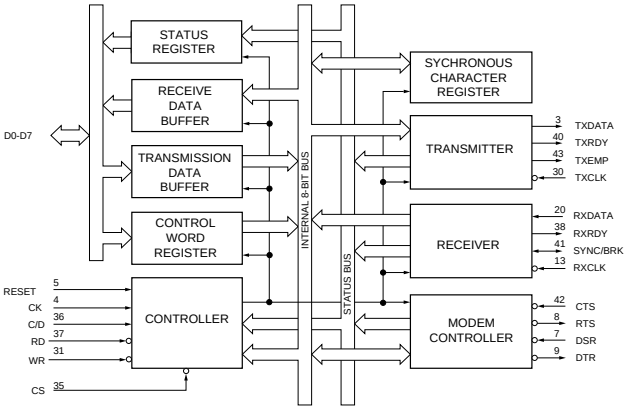
C-MOS SERIAL CONTROLLER
—TOP VIEW—





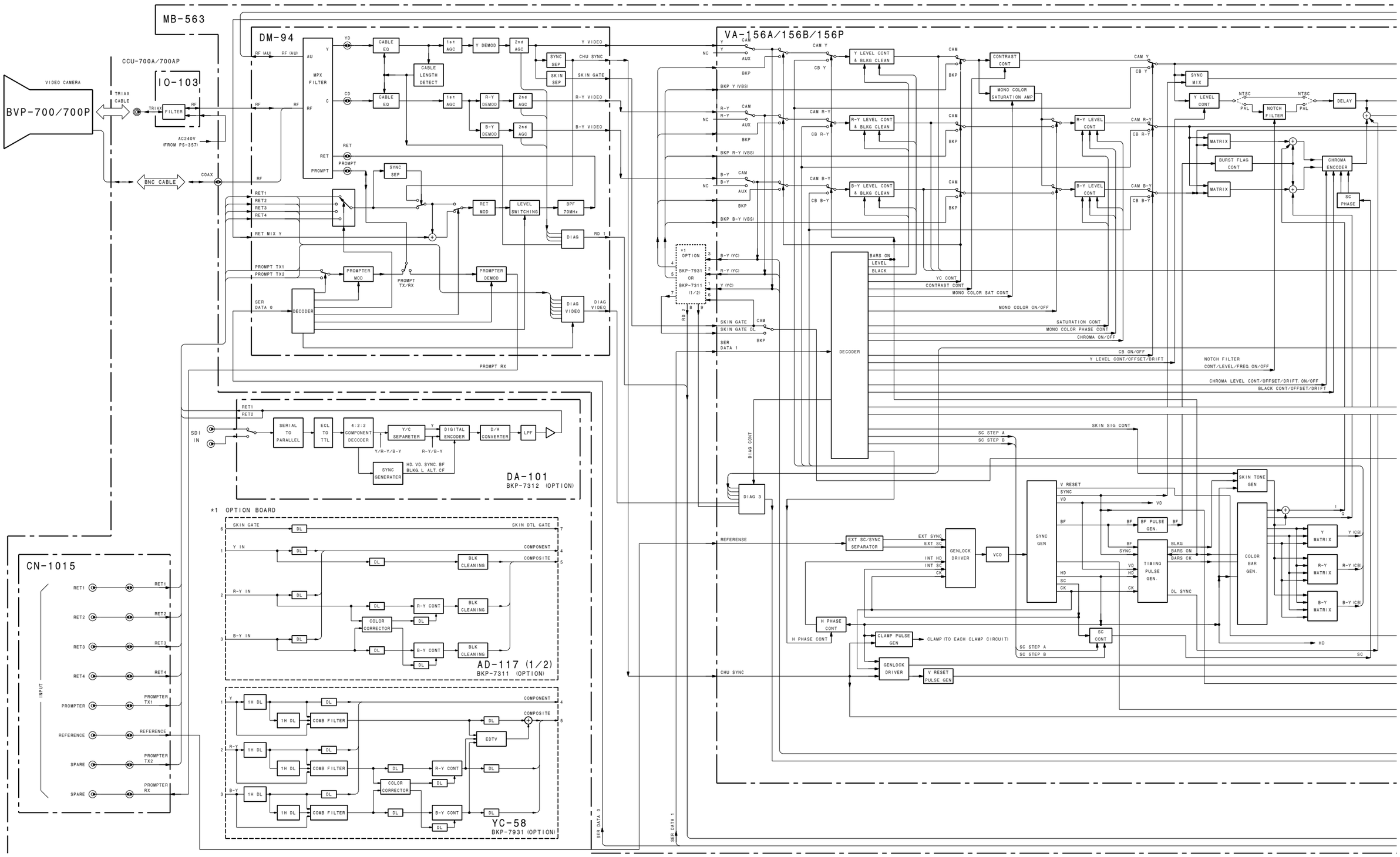
PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	—	NC	12	—	NC	23	—	NC	34	—	NC
2	—	NC	13	I	RXCLK	24	—	NC	35	I	CS
3	O	TXDATA	14	—	VDD(+5V)	25	I/O	D4	36	I	C/$\overline{D}$
4	I	CK	15	I/O	D0	26	I/O	D5	37	I	RD
5	I	RESET	16	I/O	D1	27	I/O	D6	38	O	RXRDY
6	—	NC	17	—	IC	28	—	NC	39	—	NC
7	I	DSR	18	I/O	D2	29	I/O	D7	40	O	TXRDY
8	O	RTS	19	I/O	D3	30	I	TXCLK	41	I/O	SYNC/BRK
9	O	DTR	20	I	RXDATA	31	I	WR	42	I	CTS
10	—	NC	21	—	GND	32	—	NC	43	O	TXEMP
11	—	NC	22	—	NC	33	—	NC	44	—	NC

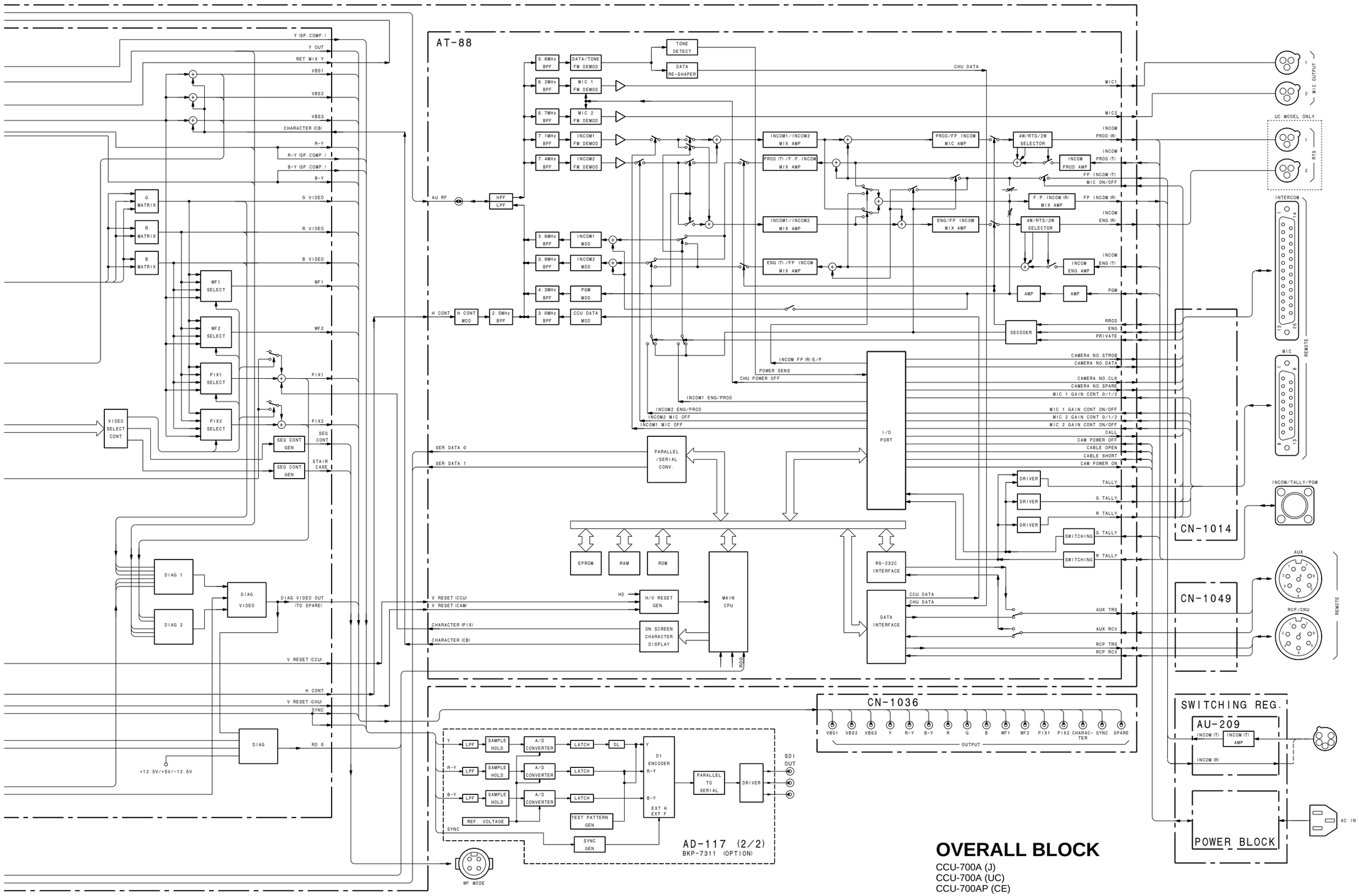
CS ; CHIP SELECT INPUT
CTS ; CLEAR TO SEND OUTPUT
C/$\overline{D}$; CONTROL/DATA SELECT INPUT
D0-D7 ; DATA INPUTS/OUTPUTS
DSR ; DATA SET READY INPUT
DTR ; DATA TERMINAL READY OUTPUT
TXCLK ; TRANSMITTER CLOCK INPUT
TXDATA ; TRANSMIT DATA OUTPUT
TXEMP ; TRANSMITTER EMPTY OUTPUT
TXRDY ; TRANSMIT READY OUTPUT
RD ; READ STROBE INPUT
RESET ; RESET INPUT
RTS ; REQUEST TO SEND OUTPUT
RXCLK ; RECEIVER CLOCK INPUT
RXDATA ; RECEIVE DATA INPUT
RXRDY ; RECEIVER READY OUTPUT
SYNC/BRK ; SYNCHRONIZATION/BREAK INPUT/OUTPUT
WR ; WRITE STROBE INPUT



Section 3
Block Diagrams

OVERALL BLOCK



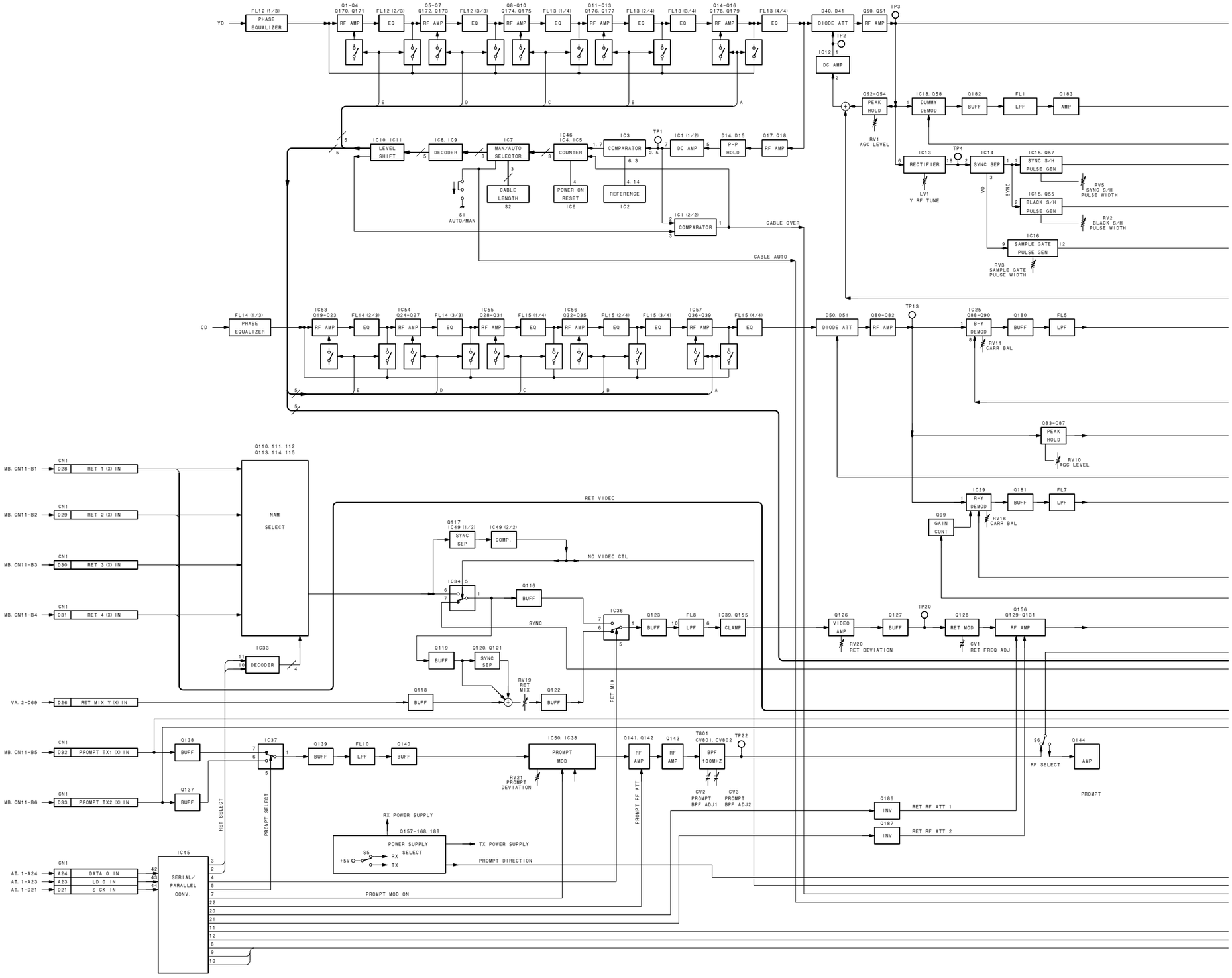


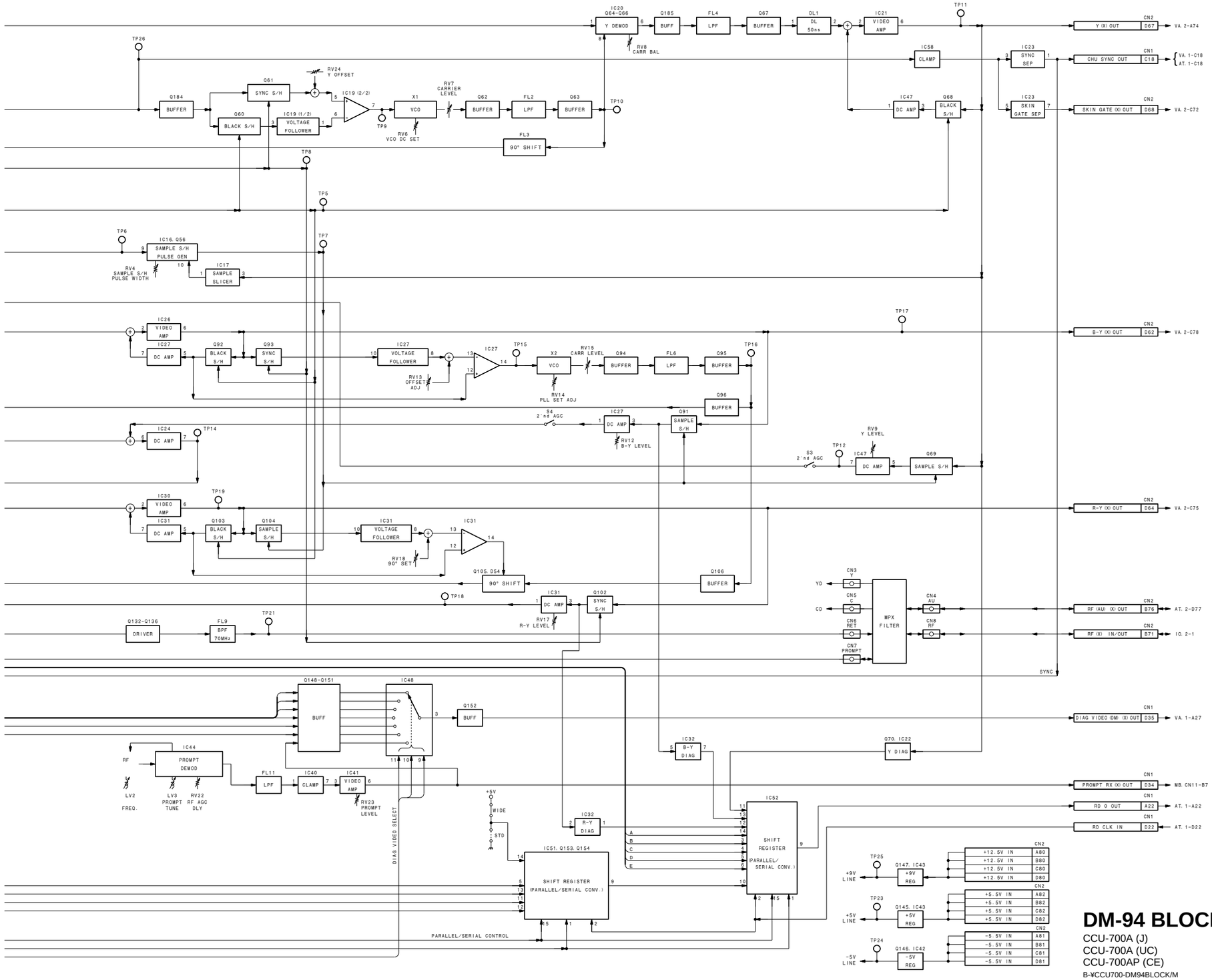
OVERALL BLOCK

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

B-¥CCU700A-OABLOCK/M

DM-94 BOARD


YD
PHASE EQUALIZER
FL12 (1/3)
Q1-Q4 Q170, Q171
RF AMP
FL12 (2/3)
EQ
Q5-Q7 Q172, Q173
FL12 (3/3)
Q8-Q10 Q174, Q175
FL13 (1/4)
Q11-Q13 Q176, Q177
FL13 (2/4)
FL13 (3/4)
Q14-Q16 Q178, Q179
FL13 (4/4)
D40, D41
DIODE ATT
Q50, Q51
TP3
TP2
IC12
DC AMP
Q52-Q54
PEAK HOLD
RV1 AGC LEVEL
IC18, Q58
DUMMY DEMOD
Q182
BUFF
FL1
LPF
Q183
AMP
IC10, IC11
LEVEL SHIFT
IC8, IC9
DECODER
IC7
MAN/AUTO SELECTOR
S1 AUTO/MAN
CABLE LENGTH
S2
IC46 IC4, IC5
COUNTER
POWER ON RESET
IC6
IC3
COMPARATOR
REFERENCE
IC2
TP1
IC1 (1/2)
DC AMP
D14, D15
P-P HOLD
Q17, Q18
RF AMP
IC1 (2/2)
COMPARATOR
CABLE OVER
CABLE AUTO
IC13
RECTIFIER
LV1 Y RF TUNE
TP4
IC14
SYNC SEP
IC15, Q57
SYNC S/H PULSE GEN
RV5 SYNC S/H PULSE WIDTH
IC15, Q55
BLACK S/H PULSE GEN
RV2 BLACK S/H PULSE WIDTH
IC16
SAMPLE GATE PULSE GEN
RV3 SAMPLE GATE PULSE WIDTH
SYNC
V0
CD
PHASE EQUALIZER
FL14 (1/3)
IC53 Q19-Q23
FL14 (2/3)
IC54 Q24-Q27
FL14 (3/3)
IC55 Q28-Q31
FL15 (1/4)
IC56 Q32-Q35
FL15 (2/4)
FL15 (3/4)
IC57 Q36-Q39
FL15 (4/4)
D50, D51
DIODE ATT
Q80-Q82
RF AMP
TP13
IC25 Q88-Q90
B-Y DEMOD
RV11 CARR BAL
Q180
BUFF
FL5
LPF
Q83-Q87
PEAK HOLD
RV10 AGC LEVEL
IC29
R-Y DEMOD
Q181
BUFF
FL7
LPF
Q99
GAIN CONT
RV16 CARR BAL
Q110, 111, 112
Q113, 114, 115
NAM SELECT
RET VIDEO
MB. CN11-B1
MB. CN11-B2
MB. CN11-B3
MB. CN11-B4
CN1
D28
RET 1 (X) IN
D29
RET 2 (X) IN
D30
RET 3 (X) IN
D31
RET 4 (X) IN
Q117
IC49 (1/2)
SYNC SEP
IC49 (2/2)
COMP.
NO VIDEO CTL
IC34
Q116
BUFF
IC36
Q123
BUFF
FL8
LPF
IC39, Q155
CLAMP
SYNC
Q119
BUFF
Q120, Q121
SYNC SEP
IC33
DECODER
RV19 RET MIX
Q118
BUFF
Q122
BUFF
RET MIX
VA. 2-C69
D26
RET MIX Y (X) IN
Q126
VIDEO AMP
RV20 RET DEVIATION
Q127
BUFF
TP20
Q128
RET MOD
CV1 RET FREQ ADJ
Q156
Q129-Q131
RF AMP
MB. CN11-B5
MB. CN11-B6
D32
PROMPT TX1 (X) IN
D33
PROMPT TX2 (X) IN
Q138
BUFF
Q137
BUFF
RET SELECT
PROMPT SELECT
IC37
Q139
BUFF
FL10
LPF
Q140
BUFF
IC50, IC38
PROMPT MOD
RV21 PROMPT DEVIATION
Q141, Q142
RF AMP
Q143
RF AMP
T801
CV801, CV802
BPF 100MHZ
TP22
CV2 PROMPT BPF ADJ1
CV3 PROMPT BPF ADJ2
PROMPT RF ATT
S6
RF SELECT
Q144
AMP
PROMPT
RX POWER SUPPLY
Q157-168, 188
POWER SUPPLY SELECT
S5
+5V
RX
TX
TX POWER SUPPLY
PROMPT DIRECTION
PROMPT MOD ON
Q186
INV
RET RF ATT 1
Q187
INV
RET RF ATT 2
IC45
SERIAL/ PARALLEL CONV.
AT. 1-A24
AT. 1-A23
AT. 1-D21
A24
DATA O IN
A23
LD O IN
D21
S CK IN



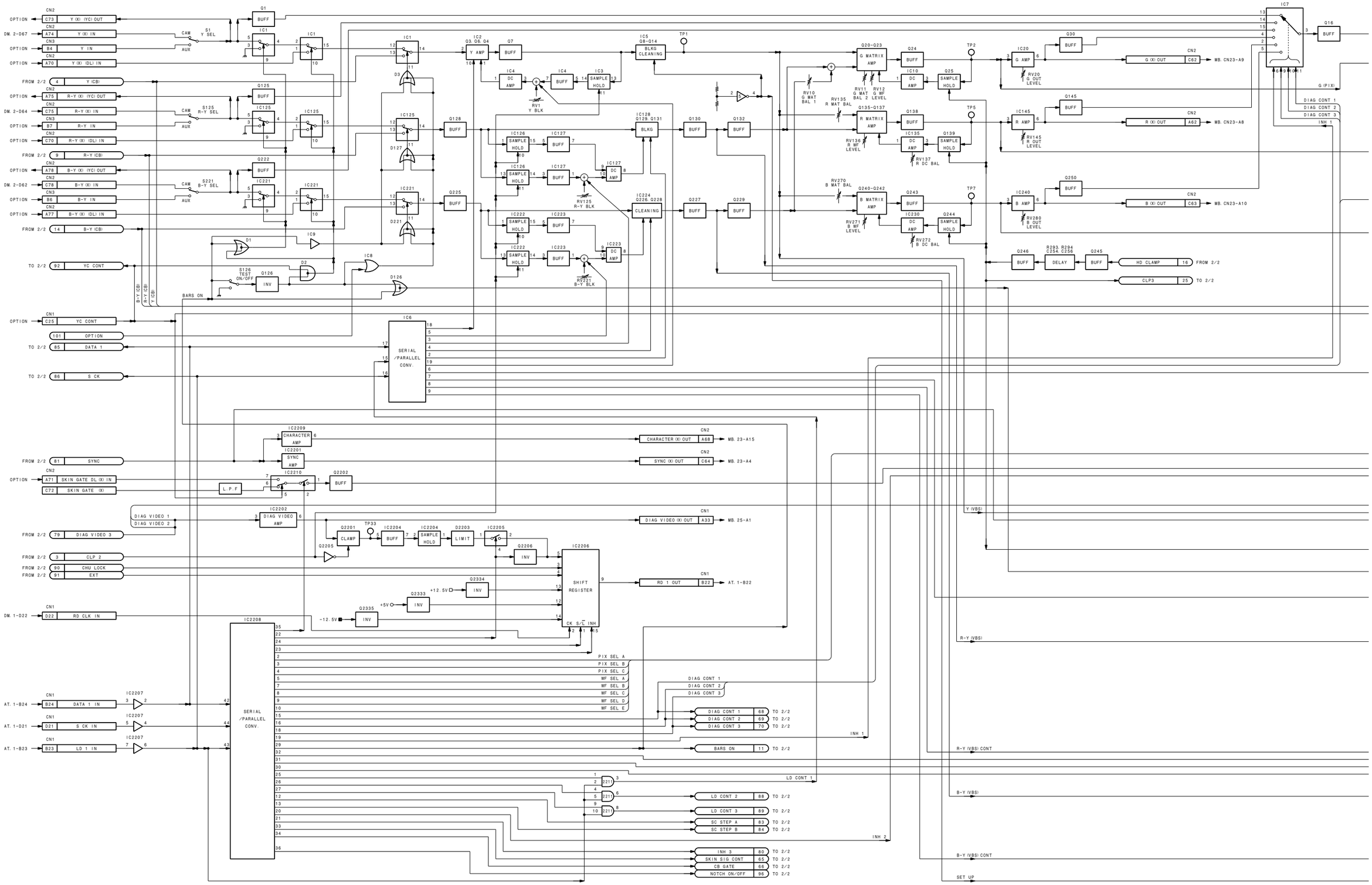
DM-94 BLOCK

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

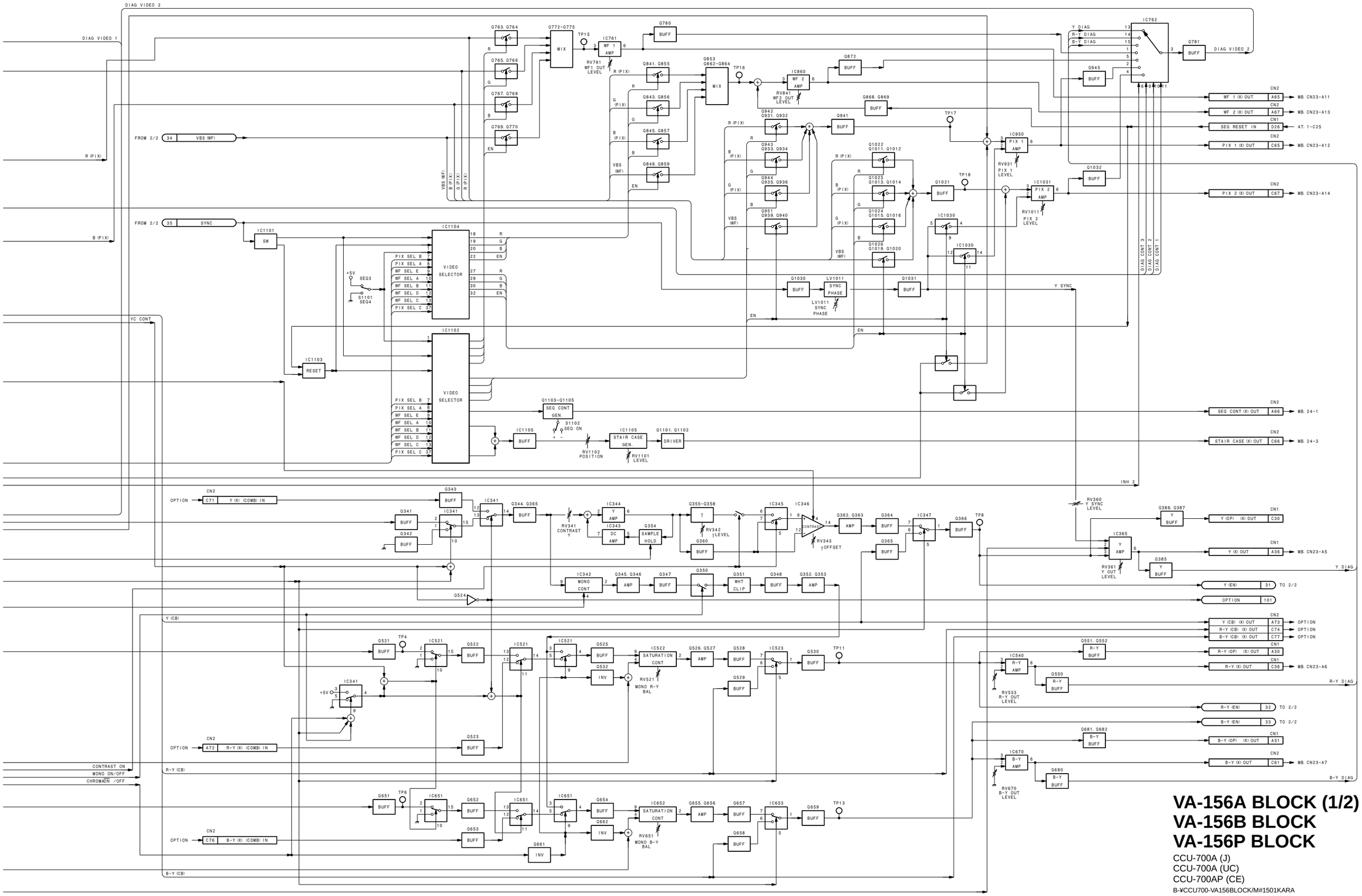
B-¥CCU700-DM94BLOCK/M

VA-156A/156B/156P (1/2)

VA-156A/156B/156P BOARD



3-6

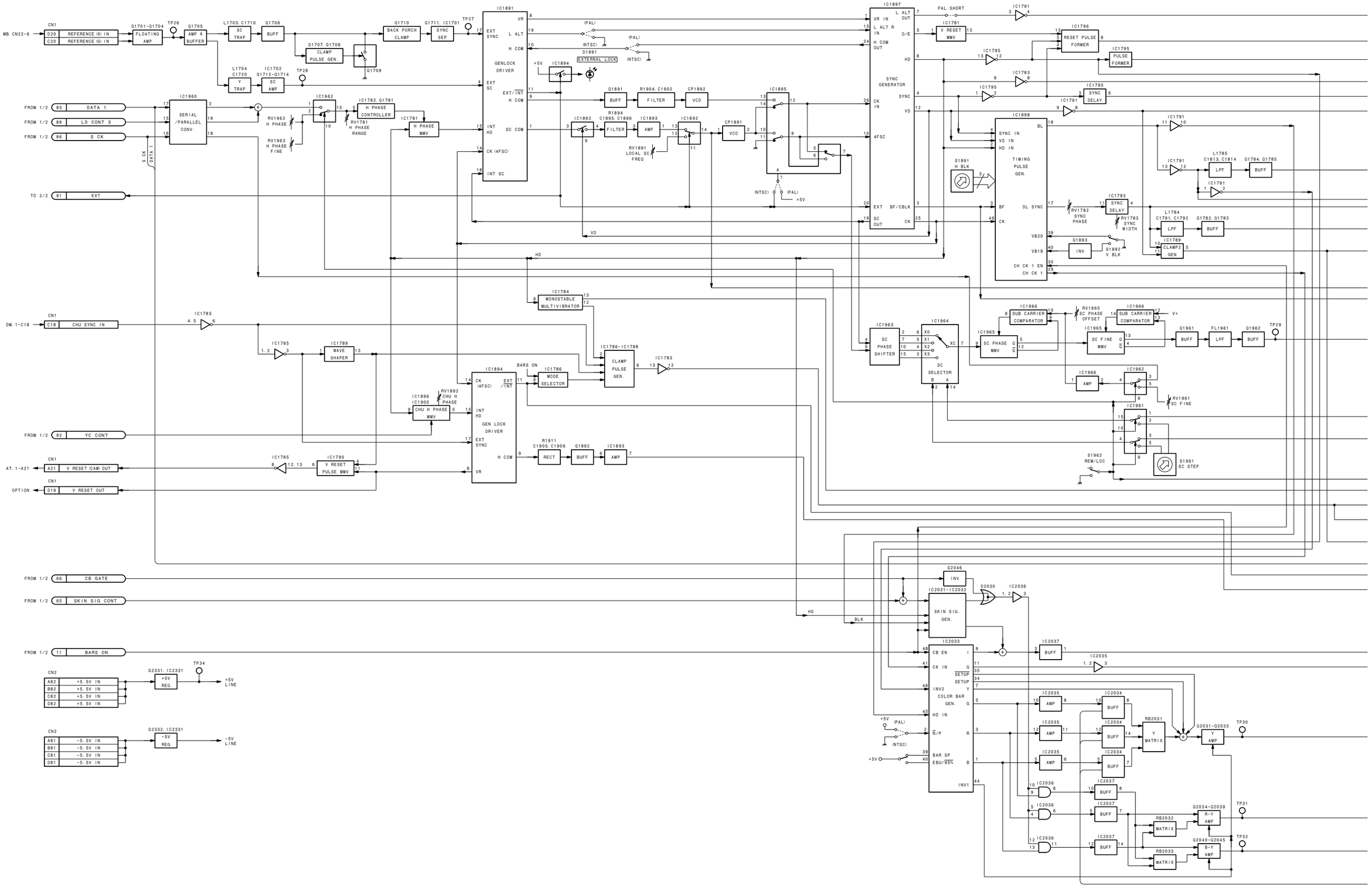


VA-156A BLOCK (1/2)
VA-156B BLOCK
VA-156P BLOCK

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

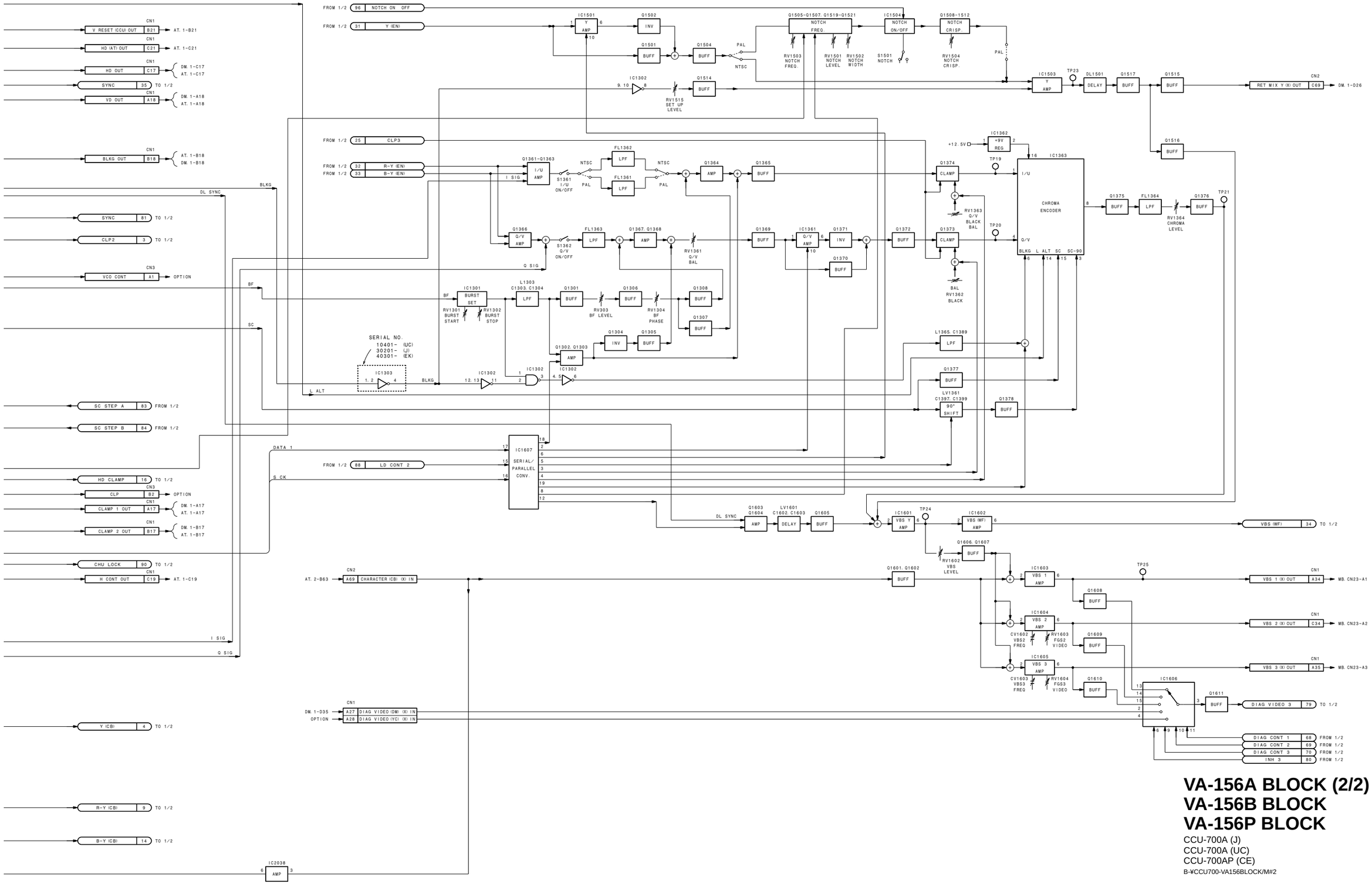
B-¥CCU700-VA156BLOCK/M#1501KARA

VA-156A/156B/156P (2/2)



3-8

VA-156A/156B/156P (2/2)

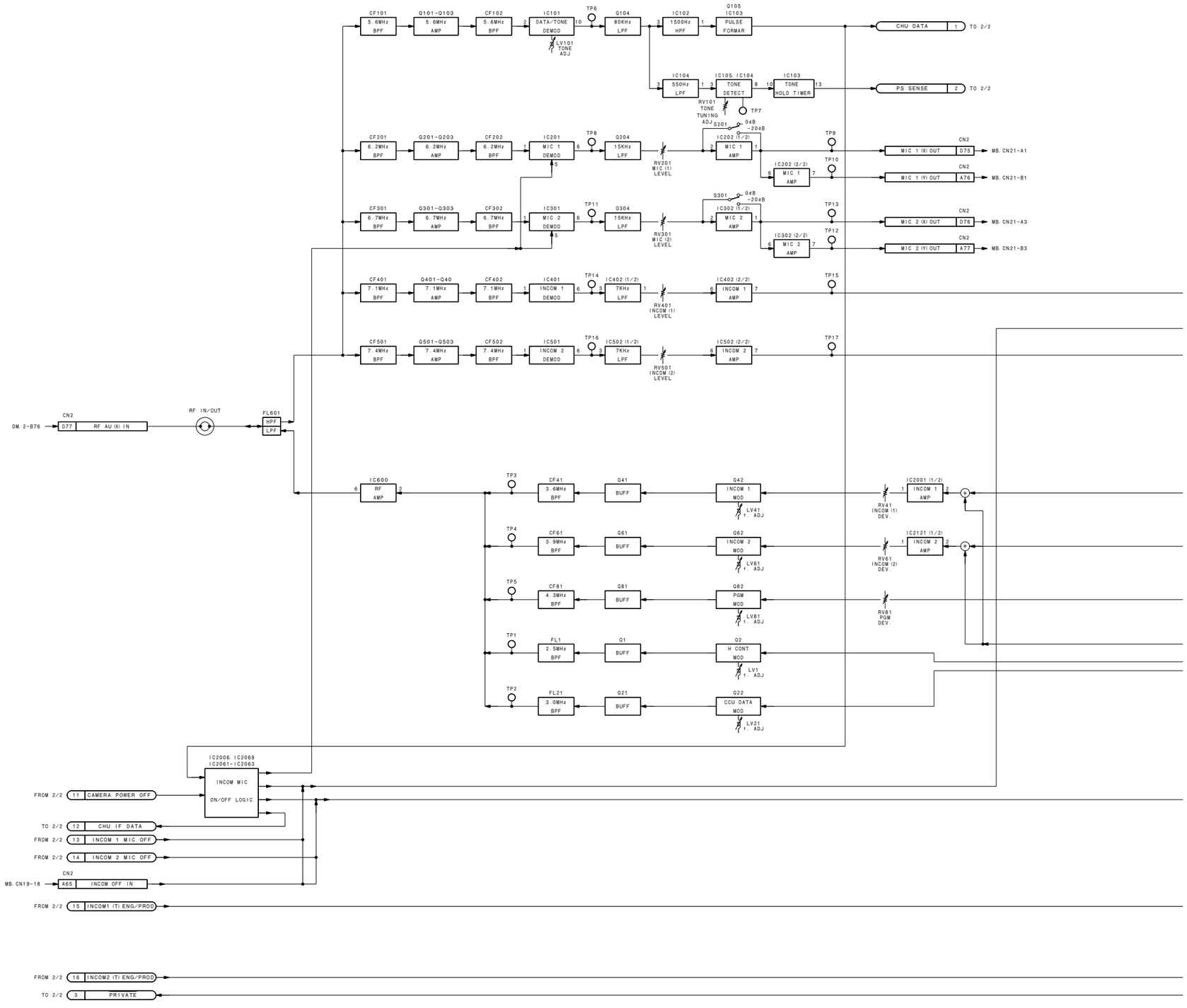


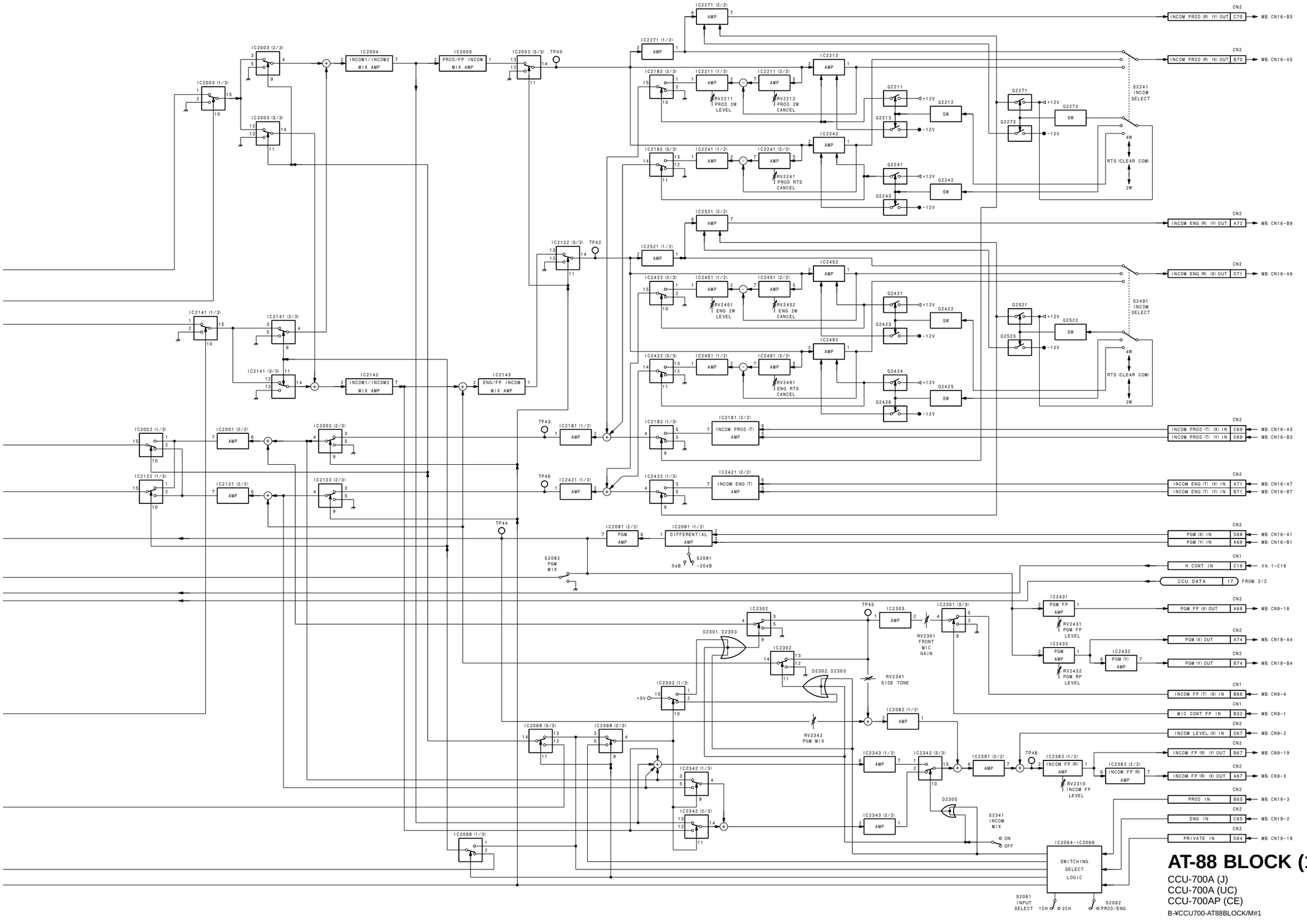
VA-156A BLOCK (2/2)
VA-156B BLOCK
VA-156P BLOCK

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

B-¥CCU700-VA156BLOCK/M#2

AT-88 BOARD

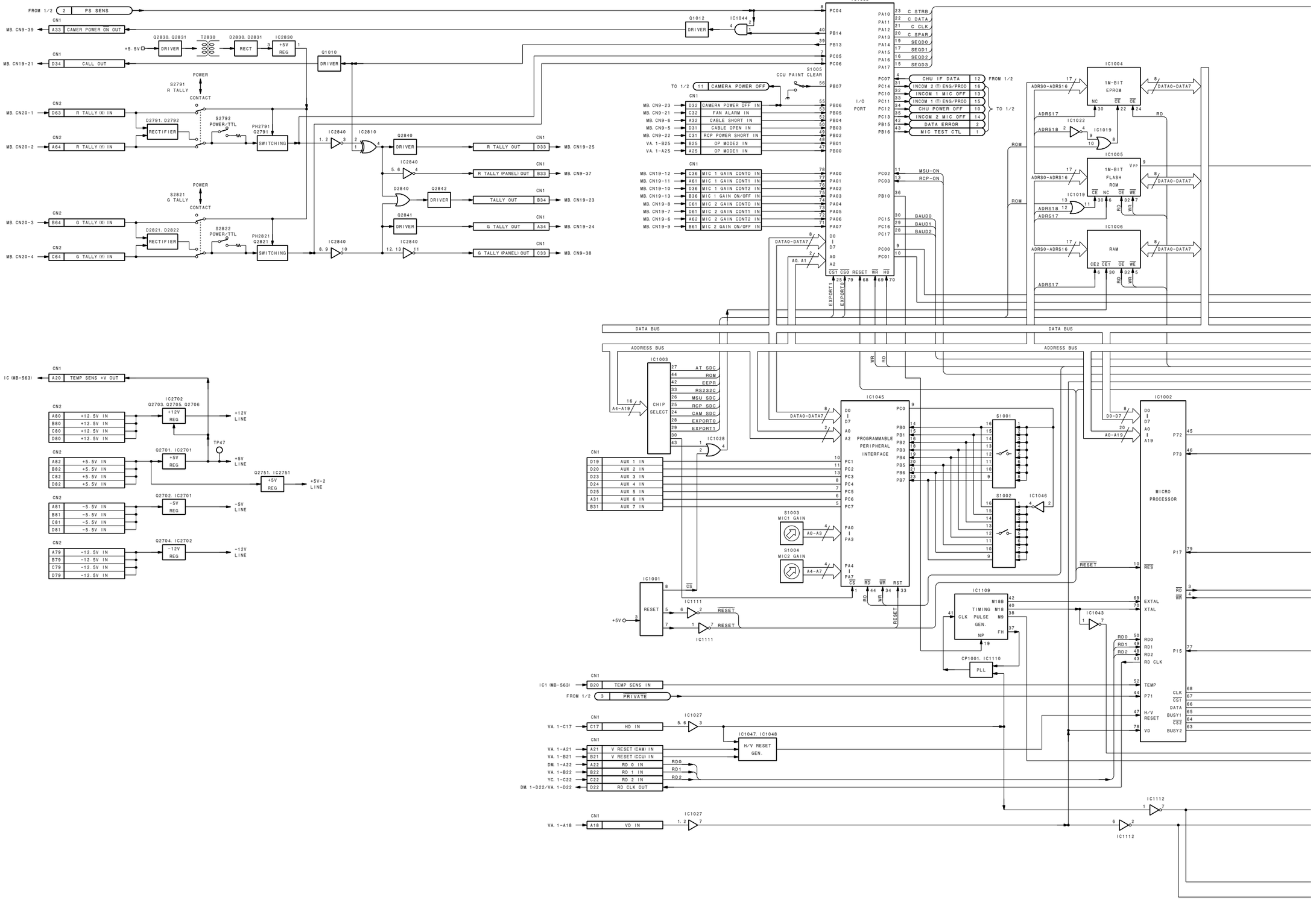

CF101 5.6MHz BPF
Q101-Q103 5.6MHz AMP
CF102 5.6MHz BPF
IC101 DATA/TONE DEMOD
LV101 TONE ADJ
TP6
Q104 80KHz LPF
IC102 1500Hz HPF
Q105 IC103 PULSE FORMAR
CHU DATA 1 TO 2/2
IC104 550Hz LPF
IC105, IC104 TONE DETECT
IC103 TONE HOLD TIMER
PS SENSE 2 TO 2/2
RV101 TONE TUNING ADJ
TP7
S201 0dB -20dB
CF201 6.2MHz BPF
Q201-Q203 6.2MHz AMP
CF202 6.2MHz BPF
IC201 MIC 1 DEMOD
TP8
Q204 15KHz LPF
RV201 MIC (1) LEVEL
IC202 (1/2) MIC 1 AMP
IC202 (2/2) MIC 1 AMP
TP9
TP10
CN2 MIC 1 (X) OUT D75 MB. CN21-A1
CN2 MIC 1 (Y) OUT A76 MB. CN21-B1
S301 0dB -20dB
CF301 6.7MHz BPF
Q301-Q303 6.7MHz AMP
CF302 6.7MHz BPF
IC301 MIC 2 DEMOD
TP11
Q304 15KHz LPF
RV301 MIC (2) LEVEL
IC302 (1/2) MIC 2 AMP
IC302 (2/2) MIC 2 AMP
TP13
TP12
CN2 MIC 2 (X) OUT D76 MB. CN21-A3
CN2 MIC 2 (Y) OUT A77 MB. CN21-B3
CF401 7.1MHz BPF
Q401-Q40 7.1MHz AMP
CF402 7.1MHz BPF
IC401 INCOM 1 DEMOD
TP14
IC402 (1/2) 7KHz LPF
RV401 INCOM (1) LEVEL
IC402 (2/2) INCOM 1 AMP
TP15
CF501 7.4MHz BPF
Q501-Q503 7.4MHz AMP
CF502 7.4MHz BPF
IC501 INCOM 2 DEMOD
TP16
IC502 (1/2) 7KHz LPF
RV501 INCOM (2) LEVEL
IC502 (2/2) INCOM 2 AMP
TP17
DM. 2-B76
CN2 D77 RF AU (X) IN
RF IN/OUT
FL601 HPF LPF
IC600 RF AMP
TP3
CF41 3.6MHz BPF
Q41 BUFF
Q42 INCOM 1 MOD
LV41 f. ADJ
IC2001 (1/2) INCOM 1 AMP
RV41 INCOM (1) DEV.
TP4
CF61 3.9MHz BPF
Q61 BUFF
Q62 INCOM 2 MOD
LV61 f. ADJ
IC2121 (1/2) INCOM 2 AMP
RV61 INCOM (2) DEV.
TP5
CF81 4.3MHz BPF
Q81 BUFF
Q82 PGM MOD
LV81 f. ADJ
RV81 PGM DEV.
TP1
FL1 2.5MHz BPF
Q1 BUFF
Q2 H CONT MOD
LV1 f. ADJ
TP2
FL21 3.0MHz BPF
Q21 BUFF
Q22 CCU DATA MOD
LV21 f. ADJ
IC2006, IC2069 IC2061-IC2063
INCOM MIC ON/OFF LOGIC
FROM 2/2 11 CAMERA POWER OFF
TO 2/2 12 CHU IF DATA
FROM 2/2 13 INCOM 1 MIC OFF
FROM 2/2 14 INCOM 2 MIC OFF
MB. CN19-18
CN2 A65 INCOM OFF IN
FROM 2/2 15 INCOM1 (T) ENG/PROD
FROM 2/2 16 INCOM2 (T) ENG/PROD
TO 2/2 3 PRIVATE

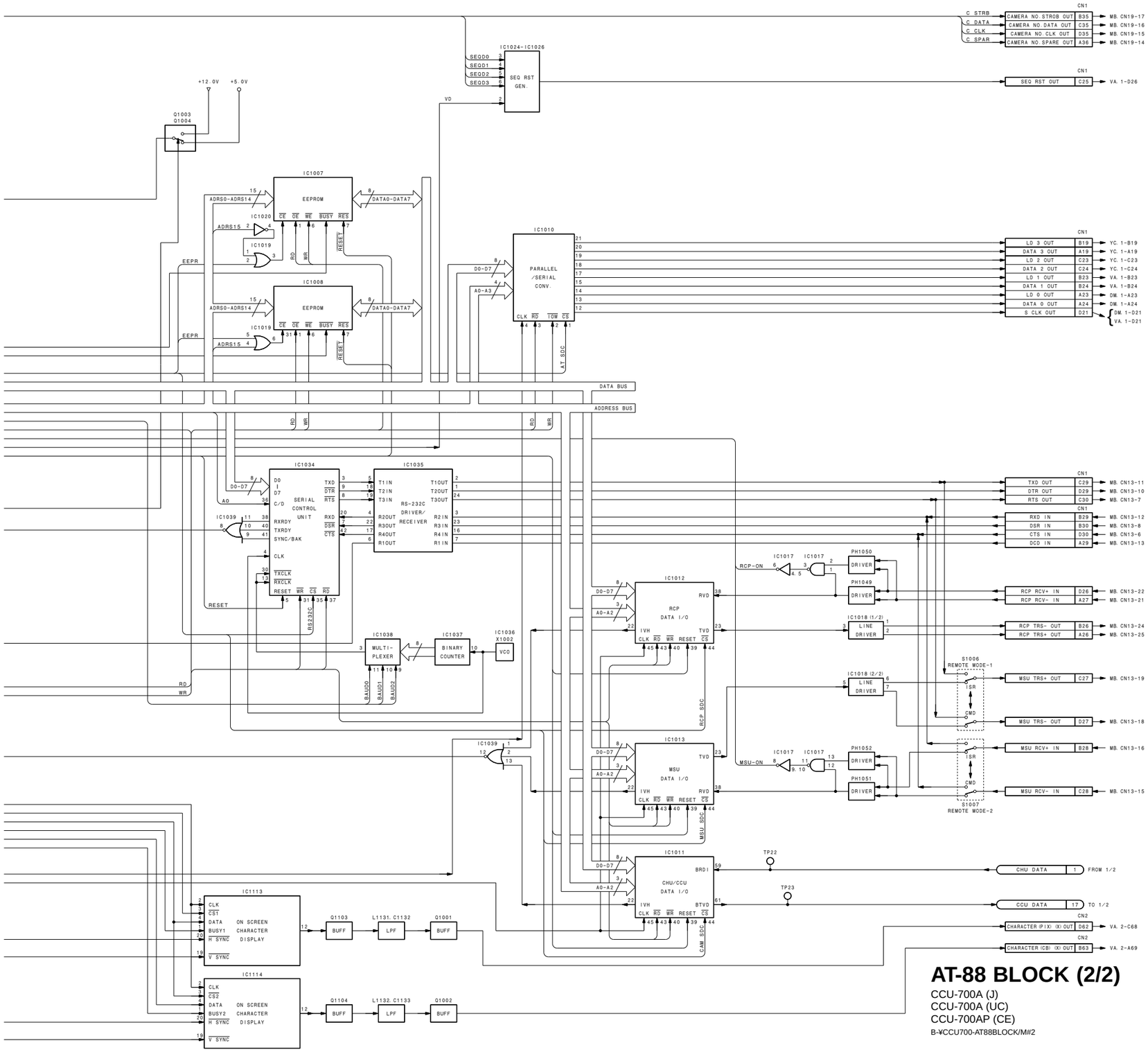


AT-88 BLOCK (1/2)

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

B-¥CCU700-AT88BLOCK/M#1


IC1009
PC04
PB14
PB13
PC05
PC06
PB07
PB06
PB05
PB04
PB03
PB02
PB01
PB00
PA00
PA01
PA02
PA03
PA04
PA05
PA06
PA07
PA10
PA11
PA12
PA13
PA14
PA15
PA16
PA17
PC07
PC14
PC10
PC11
PC12
PC13
PB15
PB16
PC02
PC03
PB10
PC15
PC16
PC17
PC00
PC01
I/O PORT
C STRB
C DATA
C CLK
C SPAR
SEQD0
SEQD1
SEQD2
SEQD3
CHU IF DATA
INCOM 2 (T) ENG/PROD
INCOM 1 MIC OFF
INCOM 1 (T) ENG/PROD
CHU POWER OFF
INCOM 2 MIC OFF
DATA ERROR
MIC TEST CTL
FROM 1/2
TO 1/2
MSU-ON
RCP-ON
BAUD0
BAUD1
BAUD2
DATA0-DATA7
A0, A1
CS1 CS0 RESET WR RD
EXPORT1
EXPORT0
Q1012
DRIVER
IC1044
S1005
CCU PAINT CLEAR
TO 1/2
CAMERA POWER OFF
MB. CN9-23
MB. CN9-21
MB. CN9-6
MB. CN9-5
MB. CN9-22
VA. 1-B25
VA. 1-A25
D32 CAMERA POWER OFF IN
C32 FAN ALARM IN
A32 CABLE SHORT IN
D31 CABLE OPEN IN
C31 RCP POWER SHORT IN
B25 OP MODE2 IN
A25 OP MODE1 IN
MB. CN19-12
MB. CN19-11
MB. CN19-10
MB. CN19-13
MB. CN19-8
MB. CN19-7
MB. CN19-6
MB. CN19-9
C36 MIC 1 GAIN CONTO IN
A61 MIC 1 GAIN CONT1 IN
D36 MIC 1 GAIN CONT2 IN
B36 MIC 1 GAIN ON/OFF IN
C61 MIC 2 GAIN CONT0 IN
D61 MIC 2 GAIN CONT1 IN
A62 MIC 2 GAIN CONT2 IN
B61 MIC 2 GAIN ON/OFF IN
FROM 1/2
PS SENS
MB. CN9-39
A33 CAMER POWER ON OUT
+5.5V
Q2830, Q2831
T2830
D2830, D2831
IC2830
DRIVER
RECT
+5V REG
MB. CN19-21
D34 CALL OUT
Q1010
S2791 R TALLY
POWER CONTACT
MB. CN20-1
D63 R TALLY (X) IN
MB. CN20-2
A64 R TALLY (Y) IN
D2791, D2792
RECTIFIER
S2792 POWER/TTL
PH2791 Q2791
SWITCHING
IC2840
IC2810
Q2840
R TALLY OUT D33
MB. CN19-25
R TALLY (PANEL) OUT B33
MB. CN9-37
D2840
Q2842
TALLY OUT B34
MB. CN19-23
Q2841
G TALLY OUT A34
MB. CN19-24
S2821 G TALLY
MB. CN20-3
B64 G TALLY (X) IN
MB. CN20-4
C64 G TALLY (Y) IN
D2821, D2822
S2822 POWER/TTL
PH2821 Q2821
G TALLY (PANEL) OUT C33
MB. CN9-38
DATA BUS
ADDRESS BUS
IC1003
CHIP SELECT
A4-A19
AT SDC
ROM
EEPR
RS232C
MSU SDC
RCP SDC
CAM SDC
EXPORT0
EXPORT1
IC1028
AUX 1 IN
AUX 2 IN
AUX 3 IN
AUX 4 IN
AUX 5 IN
AUX 6 IN
AUX 7 IN
IC1045
PROGRAMMABLE PERIPHERAL INTERFACE
S1003 MIC1 GAIN
S1004 MIC2 GAIN
A0-A3
A4-A7
S1001
S1002
IC1046
IC1001
RESET
IC1111
+5V
IC1109
TIMING CLK PULSE GEN.
M18B
M18
M9
FH
NP
CP1001, IC1110
PLL
IC1043
IC1004
1M-BIT EPROM
IC1022
IC1019
IC1005
1M-BIT FLASH ROM
VPP
IC1006
RAM
ADRS0-ADRS16
ADRS17
ADRS18
DATA0-DATA7
ROM
RD
WR
IC1002
MICRO PROCESSOR
D0-D7
A0-A19
P72
P73
P17
P15
RESET
EXTAL
XTAL
RD0
RD1
RD2
RD CLK
TEMP
P71
H/V RESET
VD
CLK
CS1
DATA
BUSY1
CS2
BUSY2
IC1112
IC (MB-563)
TEMP SENS IN
FROM 1/2
PRIVATE
VA. 1-C17
HD IN
IC1027
IC1047, IC1048
H/V RESET GEN.
VA. 1-A21
VA. 1-B21
DM. 1-A22
VA. 1-B22
YC. 1-C22
DM. 1-D22/VA. 1-D22
V RESET (CAM) IN
V RESET (CCU) IN
RD 0 IN
RD 1 IN
RD 2 IN
RD CLK OUT
VA. 1-A18
VD IN
IC (MB-563)
TEMP SENS +V OUT
IC2702
Q2703, Q2705, Q2706
+12V REG
+12V LINE
A80 +12.5V IN
B80 +12.5V IN
C80 +12.5V IN
D80 +12.5V IN
TP47
Q2701, IC2701
+5V REG
+5V LINE
A82 +5.5V IN
B82 +5.5V IN
C82 +5.5V IN
D82 +5.5V IN
Q2751, IC2751
+5V-2 LINE
Q2702, IC2701
-5V REG
-5V LINE
A81 -5.5V IN
B81 -5.5V IN
C81 -5.5V IN
D81 -5.5V IN
Q2704, IC2702
-12V REG
-12V LINE
A79 -12.5V IN
B79 -12.5V IN
C79 -12.5V IN
D79 -12.5V IN



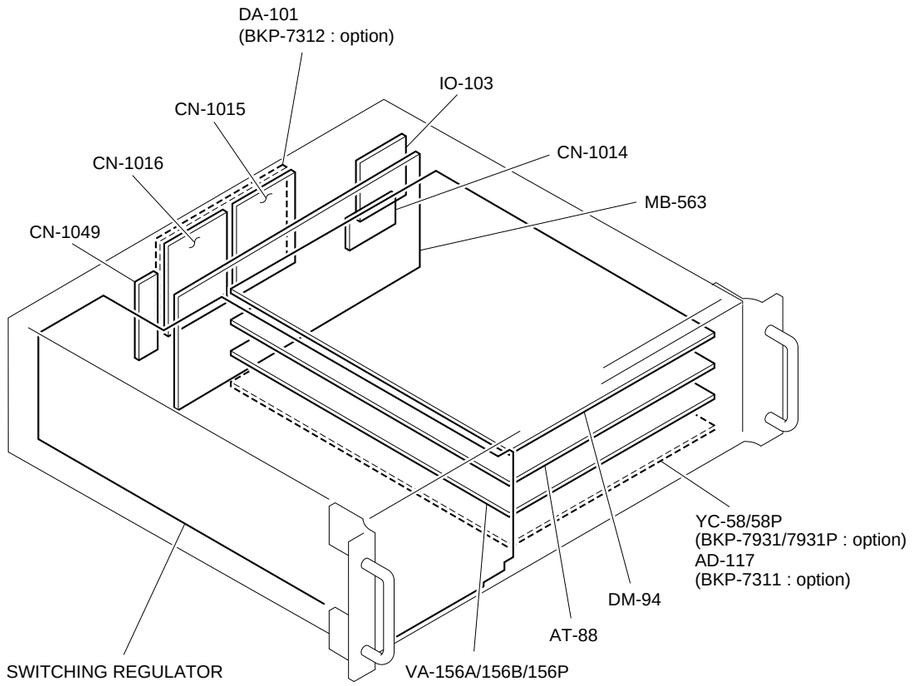
AT-88 BLOCK (2/2)

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

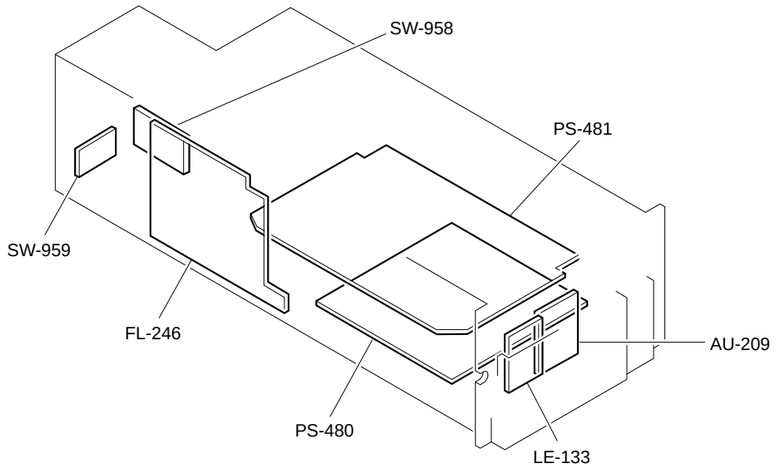
B-¥CCU700-AT88BLOCK/M#2

Section 4
Schematic Diagrams

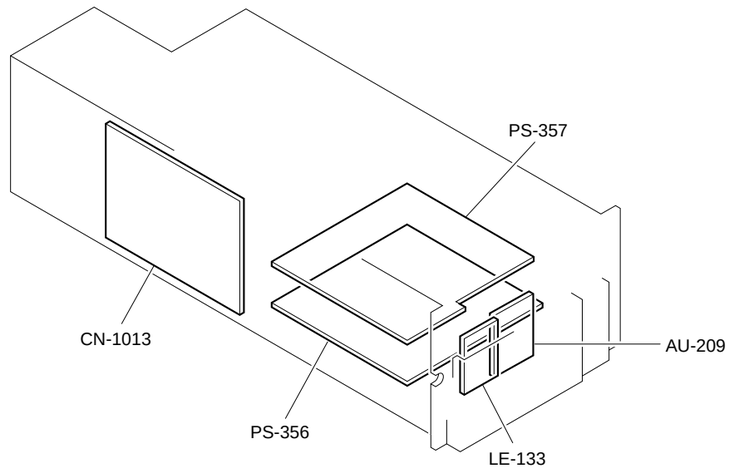
LOCATION OF PRINTED CIRCUIT BOARDS



S/N : 15701 and Higher
S/N : 35161 and Higher
S/N : 45501 and Higher
S/N : 50311 and Higher



S/N : 15001 through 15700
S/N : 35001 through 35160
S/N : 45001 through 45500
S/N : 50001 through 50310

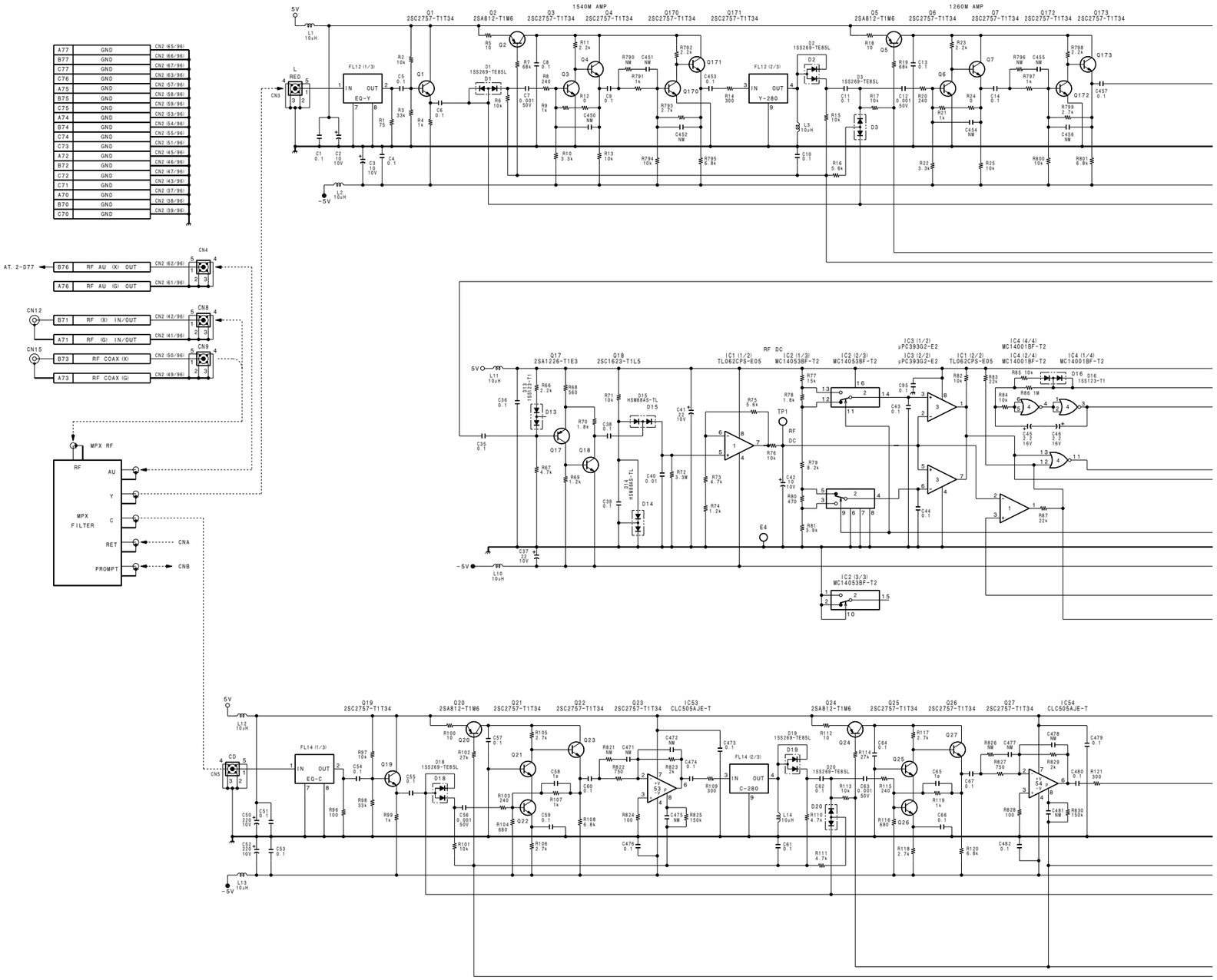


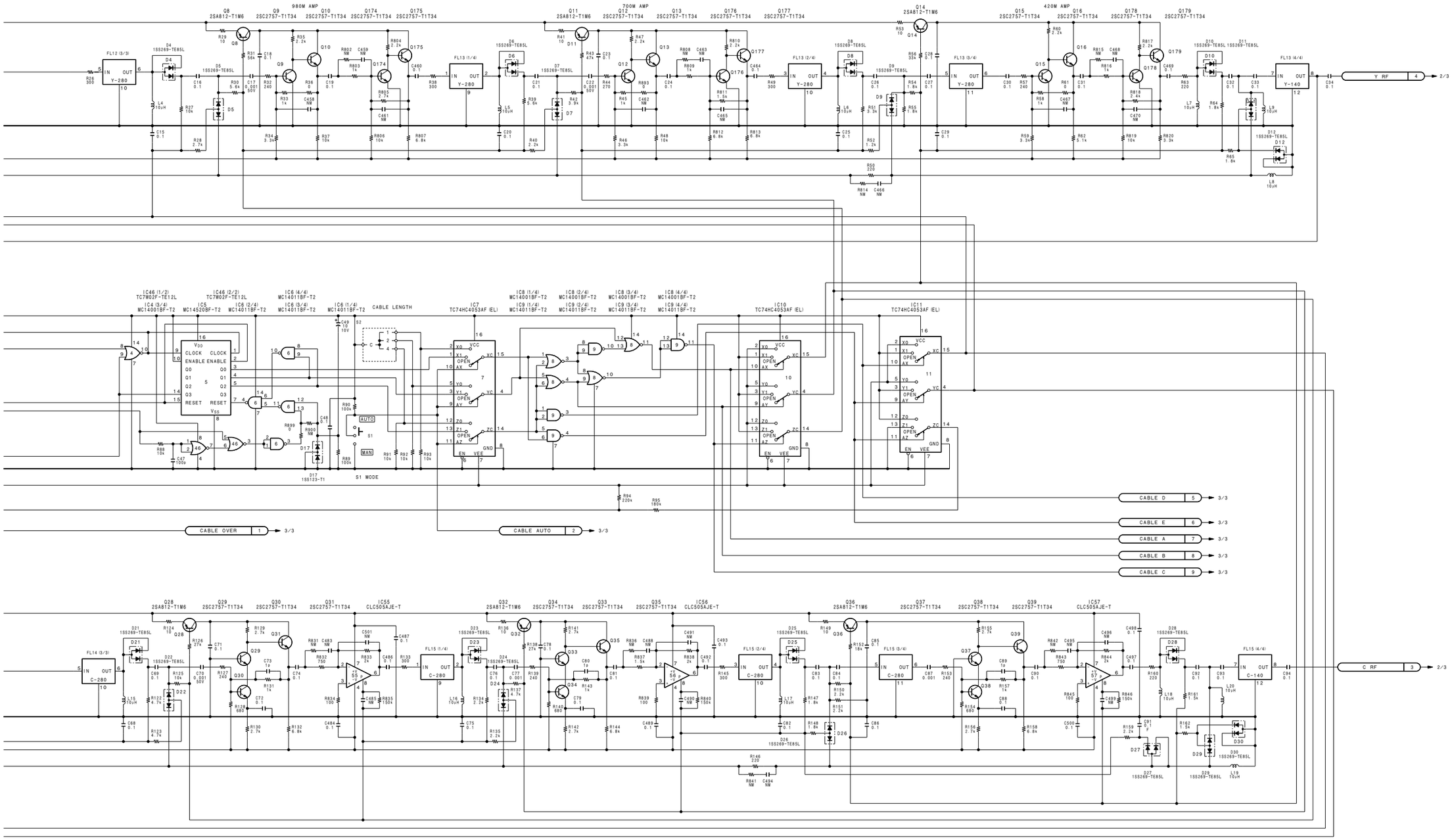
CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

DM-94 BOARD

DM-94 (1-653-238-14, 15)

CN1	A10	FL1	G7	L10	M3	Q24	*J1	Q135	M11	TP3	L6
CN2	A5	FL2	F7	L11	L1	Q25	*J1	Q136	M11	TP4	K6
CN3	M3	FL3	F6	L12	H1	Q26	*J2	Q137	*H9	TP5	K7
CN4	B4	FL4	D7	L13	G4	Q27	*H1	Q138	*G9	TP6	J6
CN5	L1	FL5	H5	L14	J2	Q28	*H2	Q139	*H10	TP7	K6
CN6	N10	FL6	F4	L15	H2	Q29	*H2	Q140	*H9	TP8	J8
CN7	L8	FL7	D5	L16	J3	Q30	*G2	Q141	L9	TP9	G6
CN8	B4	FL8	G11	L17	K3	Q31	*H2	Q142	L10	TP10	F8
CN9	B3	FL9	M11	L18	L4	Q32	*H3	Q143	L9	TP11	R8
		FL10	H10	L19	L4	Q33	*H3	Q144	M9	TP12	C6
CV1	K11	FL11	P9	L20	L3	Q34	*H4	Q145	*B1	TP13	L5
CV2	M10	FL12	M4	L30	L7	Q35	*J3	Q146	*C2	TP14	K5
CV3	L9	FL13	R6	L31	N7	Q36	*K4	Q147	*D1	TP15	G5
		FL14	L2	L32	N7	Q37	*K3	Q148	D10	TP16	F5
DL1	D7	FL15	H3	L33	N7	Q38	*K3	Q149	D9	TP17	R8
				L34	M7	Q39	*K3	Q150	D9	TP18	B5
D1	*N4	F1	A1	L37	L7	Q50	*N7	Q151	D8	TP19	R8
D2	*P3	F2	A2	L38	H8	Q51	*N7	Q152	*C9	TP20	J11
D3	*P3	F3	B3	L39	H6	Q52	*M7	Q153	C11	TP21	P10
D4	*R3			L40	F6	Q53	*M7	Q154	C10	TP22	M8
D5	*R4	IC1	M2	L41	F8	Q54	*M7	Q155	*H11	TP23	B2
D6	*R6	IC2	N1	L42	C6	Q55	*K7	Q156	*L11	TP24	C3
D7	*R6	IC3	M1	L43	C8	Q56	*K7	Q157	H8	TP25	D1
D8	*P6	IC4	N2	L44	F8	Q57	*J7	Q158	H9	TP26	F8
D9	*P5	IC5	P2	L50	K4	Q58	*H7	Q159	K8		
D10	*N5	IC6	P2	L51	K6	Q60	*G7	Q160	K8	T1	L9
D11	*N6	IC7	P2	L52	M5	Q61	*G7	Q161	*M8		
D12	*N6	IC8	R2	L53	M5	Q62	*F6	Q162	*M8	X1	G7
D13	*M2	IC9	P2	L54	L5	Q63	*F7	Q163	*N8	X2	F5
D14	*M2	IC10	R3	L55	E4	Q64	E7	Q164	*N8		
D15	*M2	IC11	P3	L56	E5	Q65	E7	Q165	H9		
D16	*N3	IC12	M7	L57	B5	Q66	E7	Q166	G9	*:B SIDE	
D17	*N2	IC13	L7	L58	B5	Q67	*D7	Q167	R10		
D18	*K2	IC14	K7	L59	C4	Q68	*C7	Q168	R10		
D19	*J1	IC15	K7	L60	B4	Q69	*C7	Q170	*N4		
D20	*J2	IC16	J7	L61	B4	Q70	*C8	Q171	*N4		
D21	*H2	IC17	J7	L62	F5	Q71	G6	Q172	*R4		
D22	*H2	IC18	H7	L70	D9	Q72	F6	Q173	*R4		
D23	*J3	IC19	G7	L71	D10	Q73	G6	Q174	*R4		
D24	*H3	IC20	E7	L74	G10	Q74	F6	Q175	*R4		
D25	*J3	IC21	D7	L75	F11	Q80	L5	Q176	*P5		
D26	*J3	IC22	C7	L76	K10	Q81	*L5	Q177	*P5		
D27	*L3	IC23	J6	L77	K11	Q82	*L5	Q178	*N5		
D28	*L3	IC24	K5	L78	J11	Q83	L5	Q179	*M5		
D29	*L3	IC25	J5	L79	K10	Q84	*L5	Q180	J4		
D30	*L3	IC26	H5	L80	K11	Q85	*L5	Q181	D4		
D40	*N7	IC27	G5	L81	K11	Q86	*L5	Q182	H7		
D41	*N7	IC29	E5	L82	H8	Q87	*K5	Q183	*G7		
D42	*H7	IC30	C5	L83	G9	Q88	*J5	Q184	*G7		
D43	*E6	IC31	C5	L84	J9	Q89	*J5	Q185	E6		
D44	*C7	IC32	F5	L85	K9	Q90	*J5	Q186	D11		
D50	*M5	IC33	F8	L88	M10	Q91	*G5	Q187	D10		
D51	*M5	IC34	F9	L90	N9	Q92	*H5	Q188	R10		
D52	*H5	IC36	G10	L91	M8	Q93	*G5				
D53	*D4	IC37	H9	L93	N8	Q94	*F4	RV1	M7		
D54	*C4	IC38	J9	L94	A1	Q95	*E5	RV2	K7		
D60	*F9	IC39	H11	L95	A2	Q96	*F5	RV3	J7		
D61	*G9	IC40	R8	L96	B3	Q97	*D5	RV4	K7		
D64	K11	IC41	R9	L98	C10	Q98	*D5	RV5	J7		
D65	K11	IC42	C2	L99	B8	Q99	E5	RV6	F7		
D66	R9	IC43	C2	L100	B10	Q100	*E5	RV7	F7		
D67	R10	IC44	N9	L101	R10	Q101	*D4	RV8	E7		
D68	R9	IC45	D11	L102	L9	Q102	*C5	RV9	R7		
D69	R9	IC46	N3	L103	L9	Q103	*C5	RV10	L5		
D70	*B2	IC47	D6	L104	P8	Q104	*C5	RV11	J5		
D71	*B2	IC48	C9	L105	P10	Q105	*B4	RV12	R7		
D72	C2	IC49	G9			Q106	*B4	RV13	G4		
D73	*C2	IC50	*J8	Q1	*N3	Q110	E10	RV14	G4		
		IC51	E11	Q2	*N4	Q111	F9	RV15	F4		
E1	N7	IC52	E11	Q3	*M4	Q112	E9	RV16	E5		
E2	K7	IC53	K1	Q4	*M4	Q113	E9	RV17	R7		
E3	R8	IC54	H1	Q5	*P5	Q114	F9	RV18	C4		
E4	N2	IC55	G3	Q6	*P4	Q115	E8	RV19	G11		
E5	E7	IC56	J4	Q7	*P4	Q116	*F9	RV20	J11		
E6	C6	IC57	K4	Q8	*P4	Q117	*F9	RV21	J10		
E7	M6	IC58	G8	Q9	*R4	Q118	G11	RV22	N10		
E8	G5			Q10	*R4	Q119	*G11	RV23	P10		
E9	B5	LV1	L7	Q11	*R5	Q120	*G11	RV24	G7		
E10	G9	LV2	N9	Q12	*R5	Q121	*G11				
E11	J11	LV3	N8	Q13	*R5	Q122	G11	SWF1	J9		
E12	K5			Q14	*P5	Q123	*G11				
E13	M8	L1	M3	Q15	*N5	Q126	*J11	S1	P1		
E14	R9	L2	M4	Q16	*N5	Q127	*J11	S2	P1		
E15	E10	L3	P3	Q17	*M2	Q128	K11	S3	M6		
E16	C1	L4	R3	Q18	*M2	Q129	L11	S4	K6		
		L5	R6	Q19	*L1	Q130	L11	S5	G8		
FB1	L10	L6	P6	Q20	*K1	Q131	L11	S6	M8		
FB2	M11	L7	N5	Q21	*K1	Q132	M11				
FB3	L8	L8	M6	Q22	*K2	Q133	M11	TP1	M2		
FB4	L8	L9	N6	Q23	*K1	Q134	L11	TP2	M7		

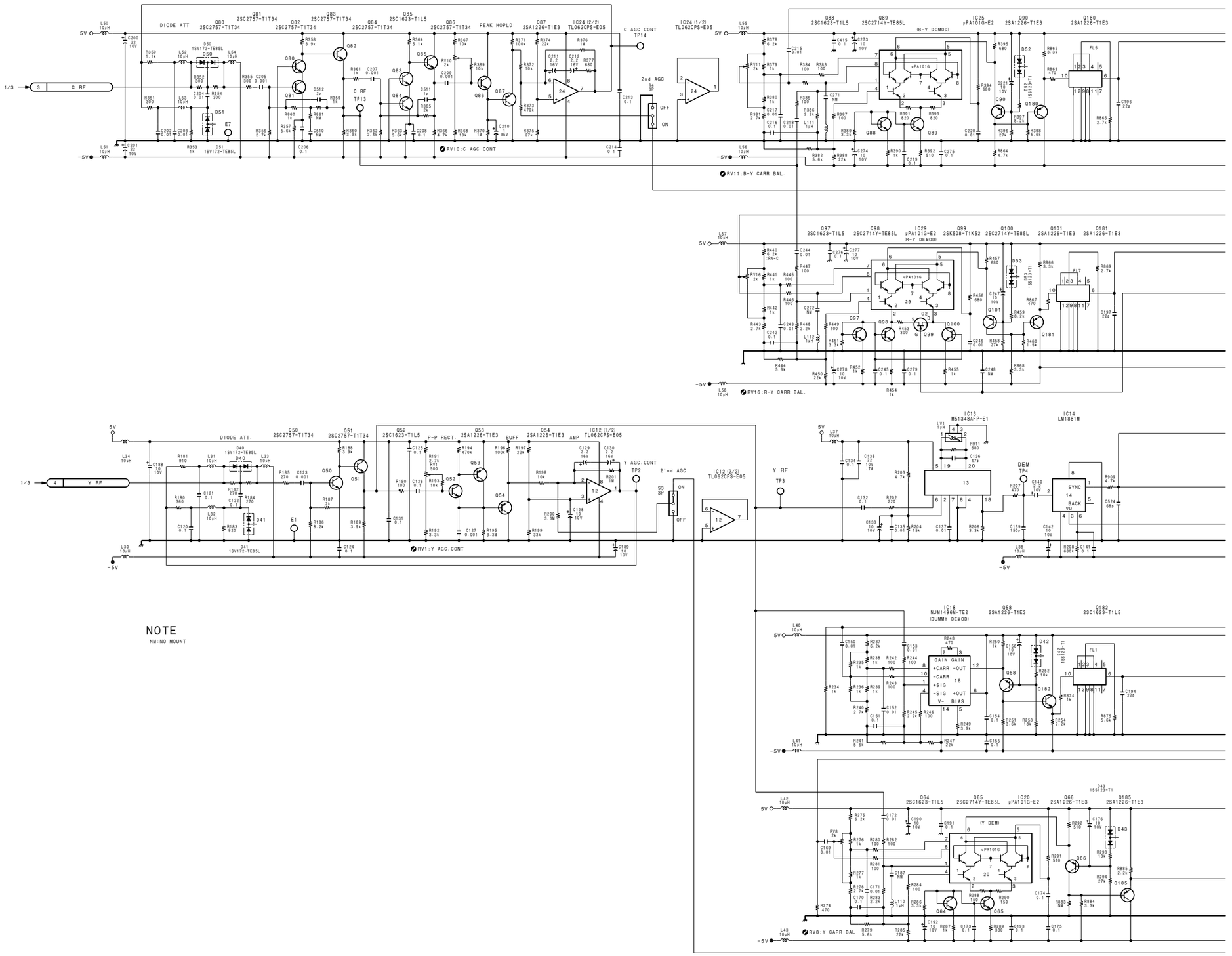




DM-94 (1/3)

BOARD NO. 1-653-238-14, 15
LOT NO. 506-
B-¥CCU700A-DM94/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

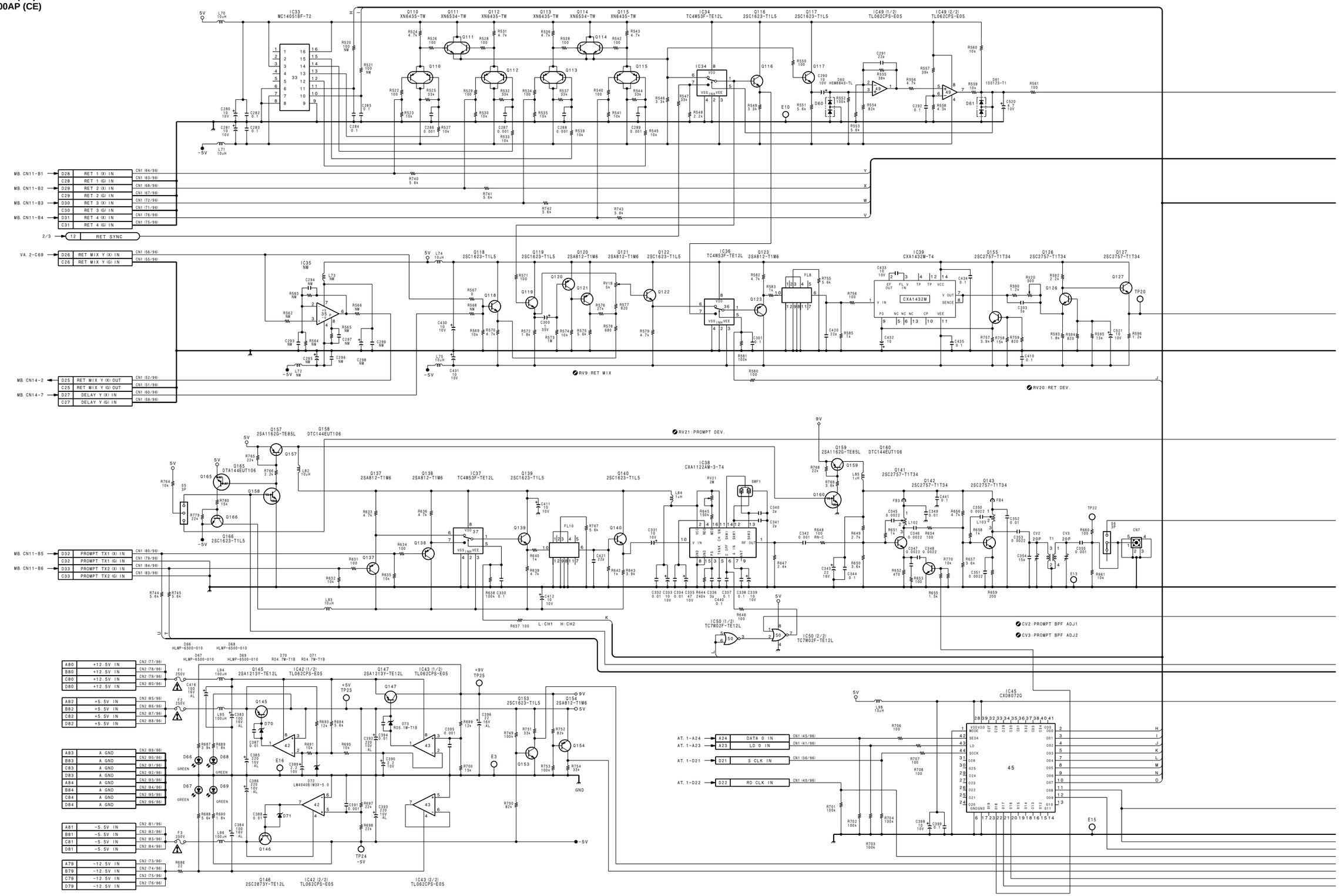


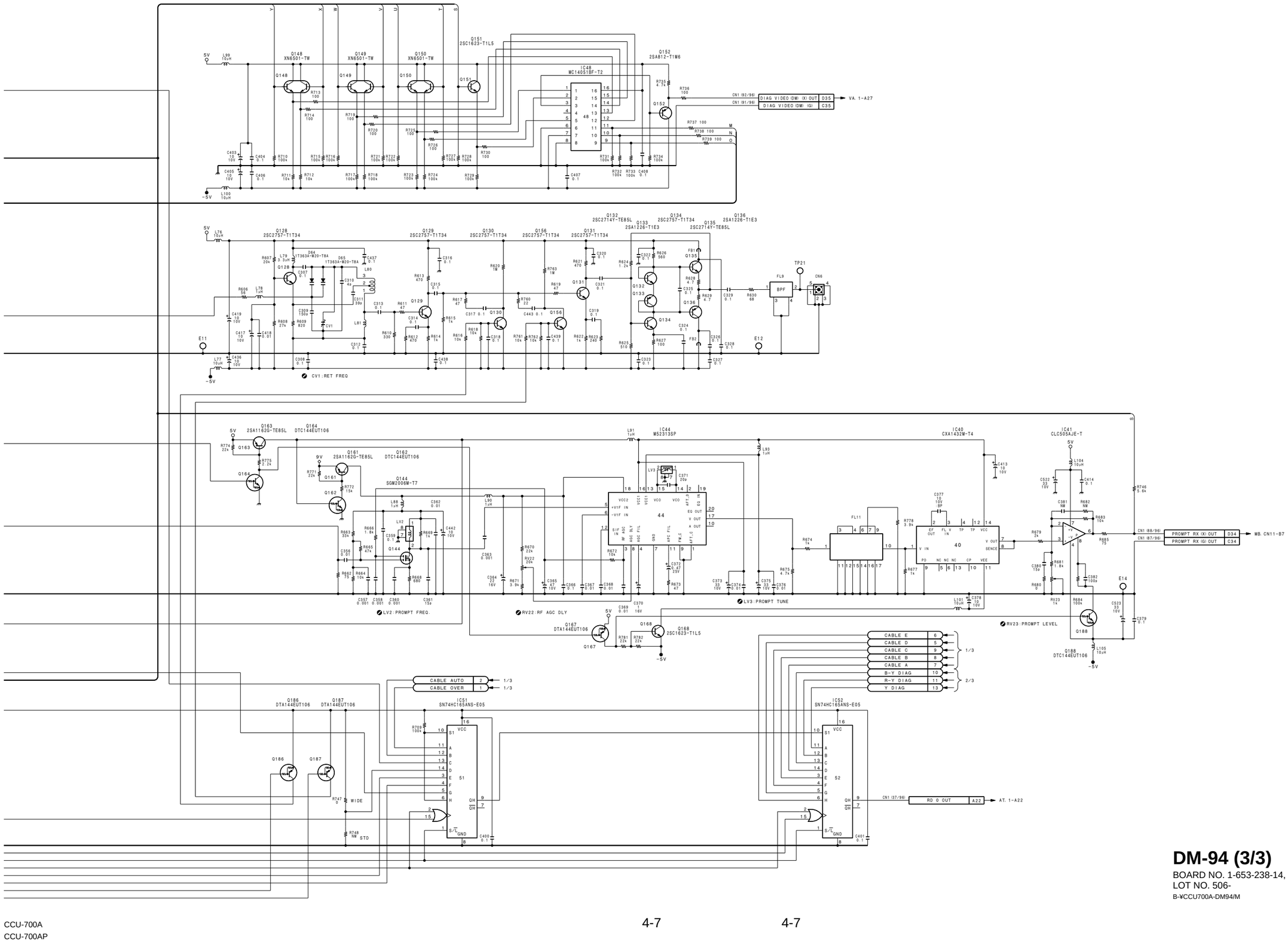
DM-94 (2/3)

BOARD NO. 1-653-238-14, 15
LOT NO. 506-

B-¥CCU700A-DM94/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)





DM-94 (3/3)

BOARD NO. 1-653-238-14, 15
LOT NO. 506-
B-¥CCU700A-DM94/M

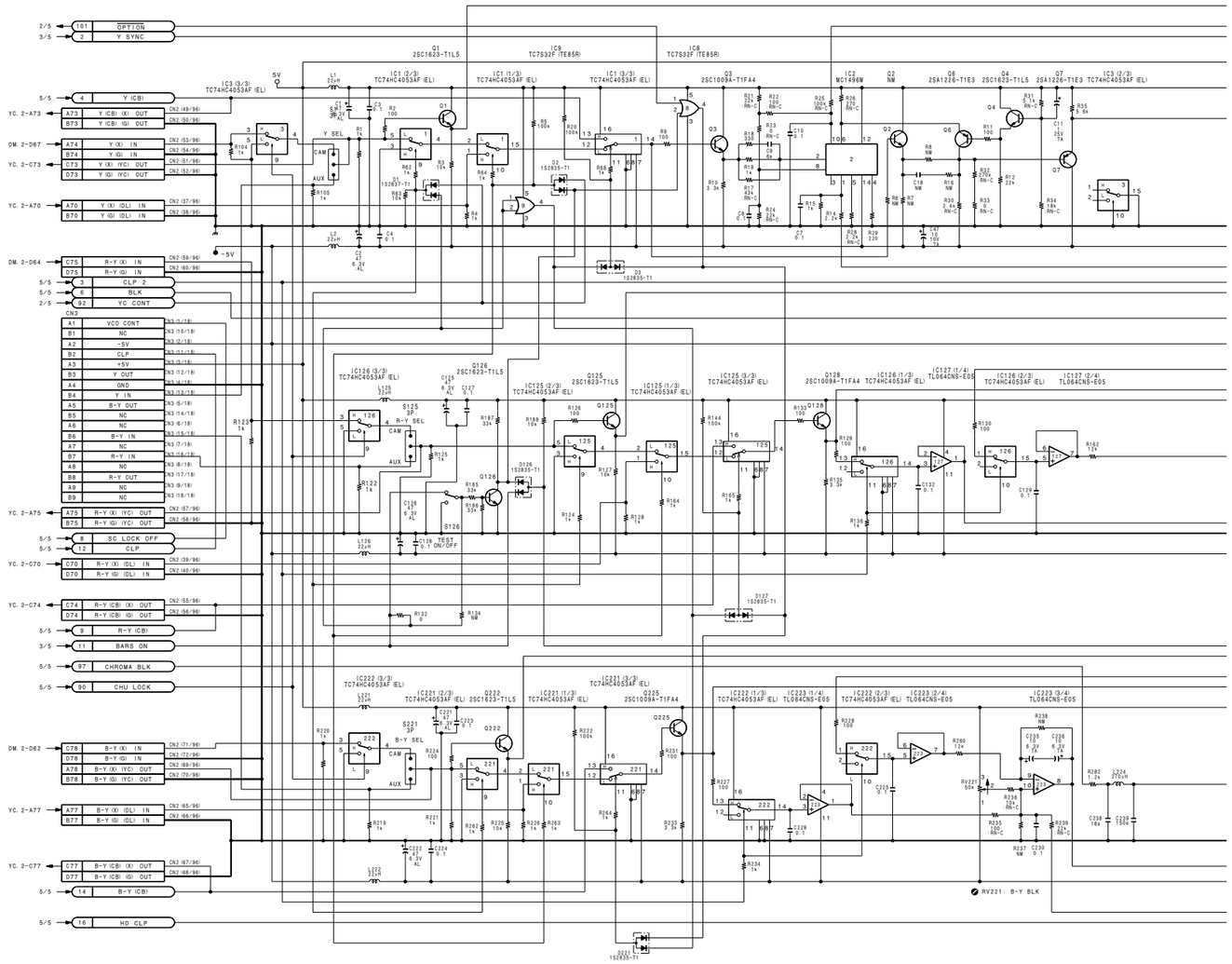
VA-156A/156B/156P (1/5)

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

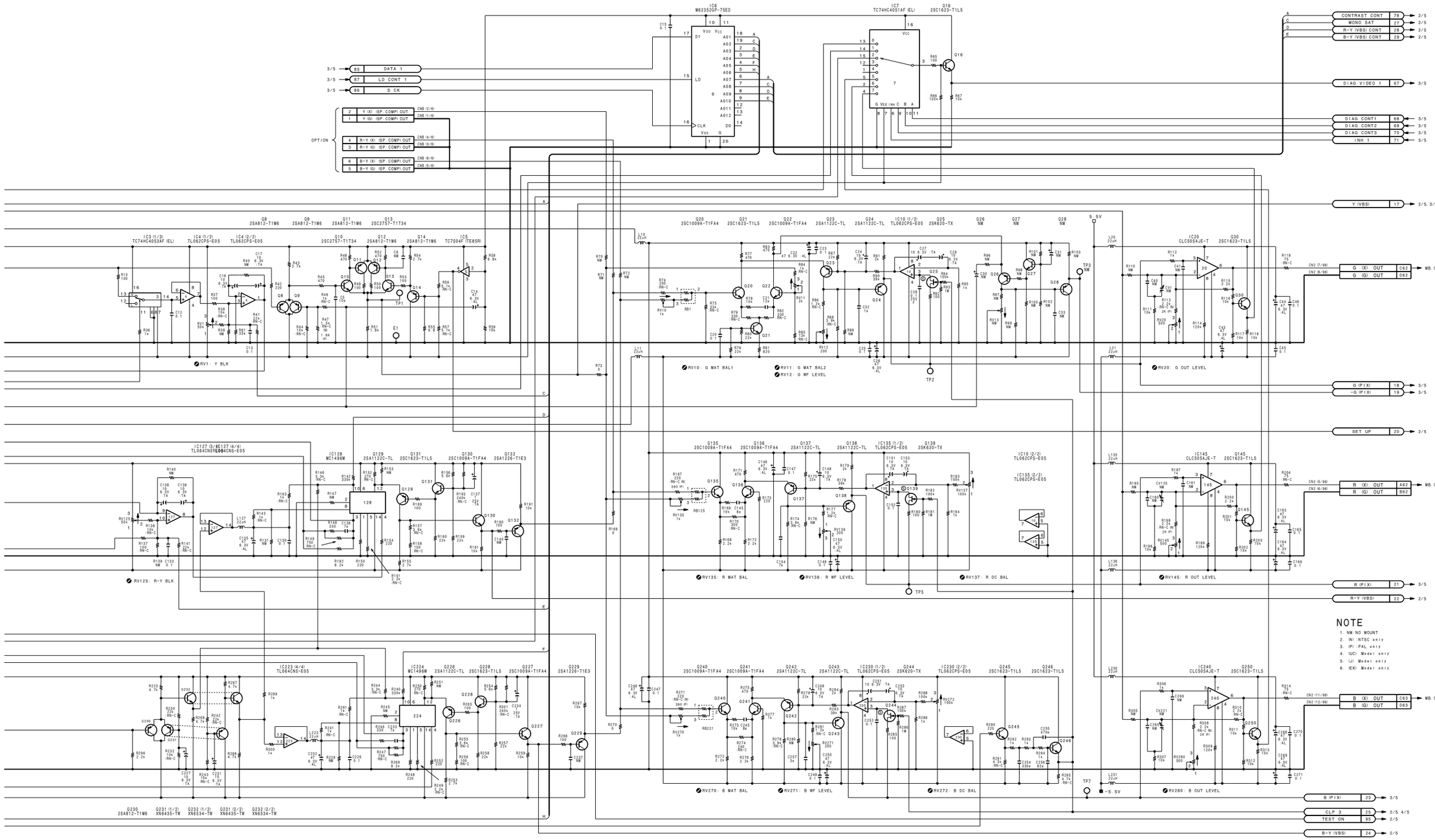
VA-156A/156B/156P BOARD

VA-156 (1-653-237-15)

CN1	A8	IC1	C2	IC1898	H9	L1101	*M5	Q231	D5	Q857	N5	Q1606	*R2	RV651	H4
CN2	A4	IC2	C2	IC1900	K8	L1102	*M6	Q232	D5	Q859	N5	Q1607	*R2	RV670	C7
CN3	B4	IC3	*C3	IC1960	R8	L1301	*K3	Q240	*E5	Q862	*N5	Q1608	*D6	RV761	R5
		IC4	C3	IC1961	R9	L1302	*K4	Q241	*E4	Q863	*N4	Q1609	*C5	RV841	D6
CP1891	N9	IC5	D2	IC1962	R8	L1303	*M4	Q242	E4	Q864	*N4	Q1610	*B5	RV931	C6
CP1892	N9	IC6	D2	IC1963	P9	L1361	*K2	Q243	*E5	Q868	*F6	Q1611	*E6	RV1011	E6
		IC7	D2	IC1964	P8	L1362	*K3	Q244	F5	Q869	F6	Q1701	A9	RV1101	R5
CV1501	N2	IC8	B2	IC1965	P8	L1363	N2	Q245	*F5	Q870	*D6	Q1702	*A9	RV1102	R4
CV1602	C6	IC9	C3	IC1966	R8	L1364	P3	Q246	*F4	Q871	*D6	Q1703	*A9	RV1301	L3
CV1603	C6	IC10	*F3	IC2031	J8	L1365	*P3	Q250	*D7	Q872	*C6	Q1704	*A9	RV1302	L3
		IC20	*C7	IC2032	J7	L1501	*J1	Q341	D2	Q873	D6	Q1705	A9	RV1303	R4
DL1501	L1	IC125	C3	IC2033	H8	L1502	*J2	Q342	E2	Q874	D6	Q1706	*B9	RV1304	R4
		IC126	*C4	IC2034	H7	L1503	*K2	Q343	*D1	Q931	P4	Q1707	B9	RV1361	N3
D1	C2	IC127	C4	IC2035	H7	L1504	*M1	Q344	E1	Q932	P4	Q1708	B9	RV1362	R3
D2	B2	IC128	C3	IC2036	J7	L1505	*M2	Q345	F1	Q933	P4	Q1709	C9	RV1363	R3
D3	C3	IC135	*F4	IC2037	J7	L1506	*K1	Q346	*F1	Q934	P4	Q1710	C9	RV1364	R3
D126	B3	IC145	*B7	IC2038	K6	L1507	*J2	Q347	*F1	Q935	P4	Q1711	C9	RV1502	K1
D127	C4	IC221	C4	IC2201	D9	L1601	P2	Q348	F1	Q936	P4	Q1712	*C9	RV1503	K1
D221	C5	IC222	*C5	IC2202	C9	L1602	P2	Q350	F2	Q939	P5	Q1713	*C9	RV1505	M2
D341	D1	IC223	C5	IC2204	B8	L1603	E5	Q351	F1	Q940	P5	Q1714	*D9	RV1602	R2
D342	D1	IC224	C4	IC2205	B9	L1604	*E6	Q352	*F1	Q941	P4	Q1781	*N8	RV1603	C6
D343	D1	IC230	*F5	IC2206	A9	L1701	*D9	Q353	*F1	Q942	P4	Q1782	*L8	RV1604	B6
D344	E1	IC240	*E7	IC2207	E9	L1702	*D9	Q354	*G1	Q943	P4	Q1783	*L8	RV1781	N8
D521	H2	IC341	*D1	IC2208	F9	L1703	B9	Q355	G1	Q944	P4	Q1784	*K7	RV1782	L8
D522	G2	IC342	E1	IC2209	D9	L1704	C9	Q356	*G1	Q945	*B6	Q1785	*K8	RV1783	M8
D651	H4	IC343	F2	IC2210	*G7	L1781	P8	Q357	*G1	Q946	*F6	Q1891	*N9	RV1891	M8
D931	P4	IC344	F1	IC2211	*F9	L1782	P8	Q358	*G1	Q947	*G6	Q1892	*L9	RV1892	K8
D932	P4	IC345	G1	IC2331	B2	L1783	P7	Q359	*G1	Q948	*G6	Q1893	*H9	RV1961	R6
D933	P4	IC346	H1			L1784	M8	Q360	H1	Q949	*G6	Q1894	*J9	RV1962	R6
D935	P5	IC347	J1	JC1781	*L7	L1785	*L7	Q361	H1	Q951	P5	Q1961	*P7	RV1963	R6
D1011	R4	IC365	*E8	JC1891	*M9	L1891	L9	Q362	H1	Q1011	P4	Q1962	*R7	RV1965	R7
D1012	R4	IC521	G2	JC1893	*M9	L1892	*N9	Q363	J1	Q1012	R4	Q2031	*H6	RV2031	H7
D1013	R4	IC522	G3	JC1895	M9	L1893	*M9	Q364	H1	Q1013	P4	Q2032	H6	RV2032	H6
D1015	R5	IC523	*H3	JC1898	*L9	L1894	H9	Q365	*J1	Q1014	R4	Q2033	*H6	RV2033	K6
D1101	*N5	IC540	*C8	JC1899	L9	L1895	N6	Q366	H1	Q1015	P4	Q2034	*J6	RV2034	J6
D1102	*R6	IC651	G4	JC1901	L9	L1961	*P7	Q367	E1	Q1016	R4	Q2035	*J6		
D1103	P6	IC652	G4	JC1903	*K9	L1962	P9	Q368	*G1	Q1019	P5	Q2036	J6	S1	B3
D1104	*R6	IC653	*H5	JC1906	*K9	L1963	*P9	Q385	*D8	Q1020	R5	Q2037	*J6	S125	B3
D1301	*N3	IC670	*B8	JC1908	*J9	L1964	*P8	Q386	E8	Q1021	R4	Q2038	J6	S126	B4
D1302	*M4	IC761	*F7	JC1911	H9	L2031	K7	Q387	*E7	Q1022	R4	Q2039	*J6	S221	B5
D1304	*N4	IC762	F8			L2032	K6	Q521	G2	Q1023	R4	Q2040	*K6	S1101	N6
D1361	*R3	IC860	*C6	LV1011	F6	L2033	K6	Q522	*G2	Q1024	R4	Q2041	*J6	S1102	M6
D1362	R3	IC950	*B6	LV1361	R3	L2034	H7	Q523	*H2	Q1026	R5	Q2042	K6	S1361	L2
D1701	A9	IC951	*F6	LV1601	P2	L2201	G8	Q524	G2	Q1030	*F6	Q2043	*K6	S1362	N3
D1702	A9	IC952	*F6			L2202	E9	Q525	*H2	Q1031	*F6	Q2044	J6	S1891	J8
D1703	C9	IC1030	F6	L1	*D3	L2203	*G7	Q526	G3	Q1032	*D6	Q2045	*K6	S1892	R6
D1781	*M7	IC1031	*E6	L2	*D3	L2331	A2	Q527	G3	Q1101	*R5	Q2046	J7	S1961	R7
D1782	*M7	IC1101	*N6	L10	*F3	L2332	C2	Q528	G3	Q1102	*R6	Q2201	C9	S1962	R7
D1783	*M7	IC1102	N5	L11	*F4			Q529	H3	Q1103	M5	Q2202	*G7	S2031	K7
D1784	*L7	IC1103	*P6	L20	C7	Q1	*B2	Q530	*H3	Q1104	M5	Q2203	*G7	S2032	H8
D1785	*L7	IC1104	P5	L21	C7	Q3	*C2	Q532	*H3	Q1105	M6	Q2204	*G7		
D1790	*K7	IC1105	R6	L125	*D4	Q4	*D2	Q550	*C8	Q1301	M4	Q2205	C8	THP1	N8
D1891	R5	IC1301	L4	L126	*D4	Q6	*C2	Q551	*D8	Q1302	M3	Q2206	B9		
D2027	J8	IC1302	M3	L127	*D4	Q7	*C3	Q552	*D7	Q1303	*M3	Q2331	B1	TP1	E2
D2028	J8	IC1303	N4	L135	B7	Q8	D3	Q651	G4	Q1304	*L3	Q2332	D1	TP2	F3
D2030	J7	IC1361	N3	L136	B7	Q9	D3	Q652	*G4	Q1305	*L3	Q2333	A8	TP4	G2
D2031	*J7	IC1362	P3	L221	*D4	Q10	*D2	Q653	*H4	Q1306	*M3	Q2334	*A8	TP5	E4
D2032	*J7	IC1363	P3	L222	*D5	Q11	*D2	Q654	*H4	Q1307	*M3	Q2335	A8	TP6	G4
D2033	*J7	IC1501	K1	L223	*D5	Q12	*E2	Q655	G5	Q1308	*M3			TP7	E5
D2202	B9	IC1503	*N1	L224	E5	Q13	*E2	Q656	G5	Q1361	*L3	RB1	E3	TP8	H2
D2203	B8	IC1504	L1	L230	D7	Q14	D3	Q657	G5	Q1362	*L3	RB125	E4	TP11	H3
D2204	G8	IC1601	R1	L231	D7	Q16	*D2	Q658	H5	Q1363	L3	RB221	E4	TP13	H5
D2331	R7	IC1602	R1	L341	*D1	Q20	*E3	Q659	*H5	Q1364	*M3	RB1361	M3	TP15	L4
D2332	R7	IC1603	*D6	L342	*D2	Q21	*E3	Q661	H4	Q1365	*M3	RB1362	N2	TP16	N4
D2333	R8	IC1604	*D6	L350	D8	Q22	*E2	Q662	*H5	Q1366	*N3	RB2031	H6	TP17	P4
D2334	R8	IC1605	*C6	L351	D8	Q23	F2	Q680	*B8	Q1367	*N3	RB2032	J6	TP18	R4
D2335	*B1	IC1606	E6	L521	*H2	Q24	*F3	Q681	*C8	Q1368	N3	RB2033	K6	TP19	P3
D2336	*B2	IC1607	N2	L522	*G3	Q25	F3	Q682	*C7	Q1369	N3			TP20	P3
D2337	*B2	IC1701	*C9	L530	C8	Q30	*C7	Q763	L4	Q1370	*N3	RV1	D3	TP21	R2
		IC1781	N8	L531	C8	Q125	B3	Q764	M4	Q1371	*N3	RV10	F2	TP23	P1
E1	F3	IC1782	N8	L651	*G4	Q126	*B4	Q765	L4	Q1372	*N3	RV11	F2	TP24	R1
E2	H2	IC1783	M8	L652	*G5	Q128	*C3	Q766	M4	Q1373	*R3	RV12	E3	TP25	D5
E3	L4	IC1784	N8	L660	B8	Q129	*D3	Q767	L5	Q1374	*R4	RV20	D7	TP26	A9
E4	P3	IC1785	M7	L661	B8	Q130	*D3	Q768	M5	Q1375	*R2	RV125	D4	TP27	C9
E5	P1	IC1786	N7	L761	*L4	Q131	D3	Q769	L5	Q1376	R2	RV135	E4	TP28	D9
E6	E5	IC1787	N7	L762	*L5	Q132	D3	Q770	M5	Q1377	*R3	RV136	F3	TP29	R7
E7	K8	IC1788	N7	L770	E7	Q135	*E4	Q772	*L4	Q1378	R3	RV137	F3	TP30	H6
E8	K7	IC1789	M7	L771	E7	Q136	*E3	Q773	*L4	Q1501	J1	RV145	C7	TP31	J5
E9	B8	IC1790	L7	L841	*M4	Q137	E3	Q774	*L5	Q1502	*K1	RV221	D5	TP32	K5
E10	D1	IC1791	L7	L842	*M5	Q138	*E4	Q775	*L5	Q1504	K1	RV270	E5	TP33	C9
		IC1792	M8	L850	C6	Q139	F4	Q780	*E7	Q1505	K2	RV271	F4	TP34	D1
FL1361	L2	IC1795	K7	L851	C7	Q145	*B7	Q781	*F7	Q1514	*N1	RV272	F4		
FL1362	L2	IC1796	K7	L931	*N4	Q222	*B4	Q841	M4	Q1515	*P1	RV280	E7		
FL1363	N4	IC1891	M9	L932	*N5	Q225	*C4	Q843	M4	Q1516	*P1	RV341	E1	*:B SIDE	
FL1364	R2	IC1892	M9	L940	B6	Q226	*D4	Q845	M5	Q1517	*P1	RV342	G1		
FL1961	R7	IC1893	L9	L941	B6	Q227	*D4	Q849	M5	Q1521	*K2	RV360	E7		
		IC1894	L9	L1011	P4	Q228	D4	Q853	*N5	Q1603	*P1	RV361	E7		
F2331	A2	IC1895	K9	L1012	P5	Q229	D4	Q855	N4	Q1604	*P1	RV521	H3		
F2332	C2	IC1896	K9	L1020	D6	Q230	D5	Q856	N4	Q1605	*R2	RV533	D7		
		IC1897	J9	L1021	D7										



4-8

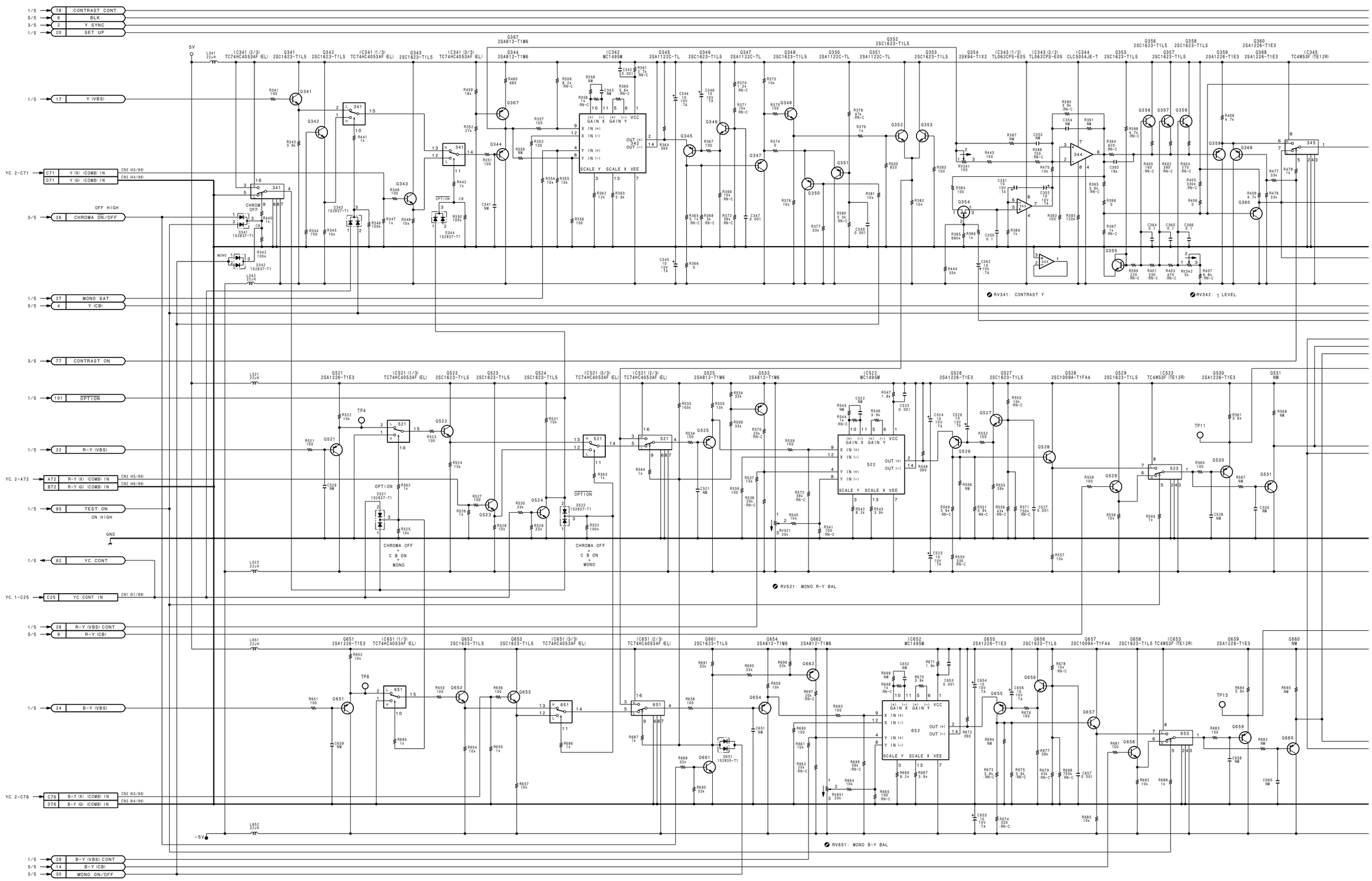


VA-156A/156B/156P (1/5)

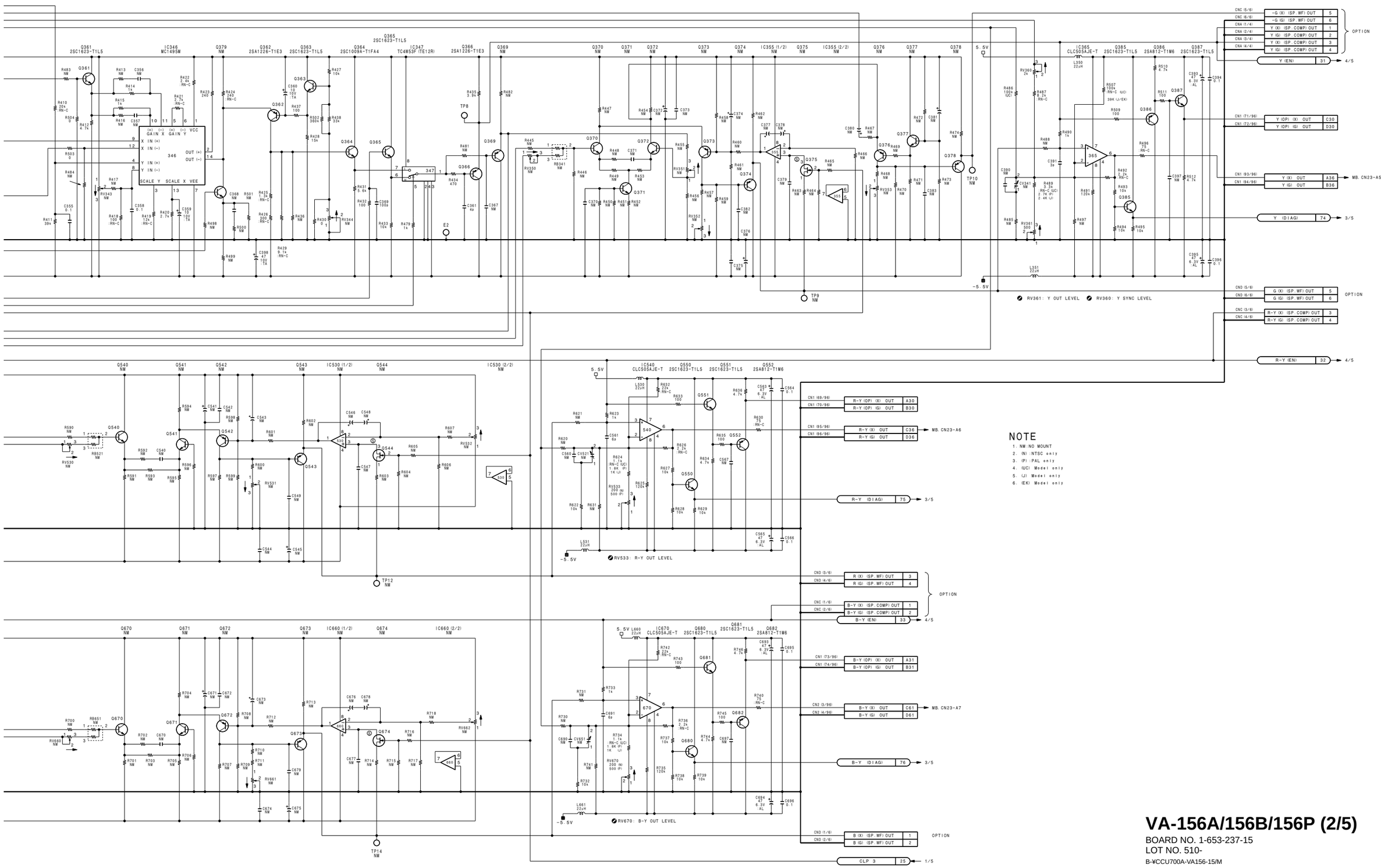
BOARD NO. 1-653-237-15
LOT NO. 510-
B-¥CCU700A-VA156-15/M

CCU-700A
CCU-700AP

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



VA-156A/156B/156P (2/5)



NOTE
1. NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only
4. (UC) Model only
5. (J) Model only
6. (EK) Model only

VA-156A/156B/156P (2/5)

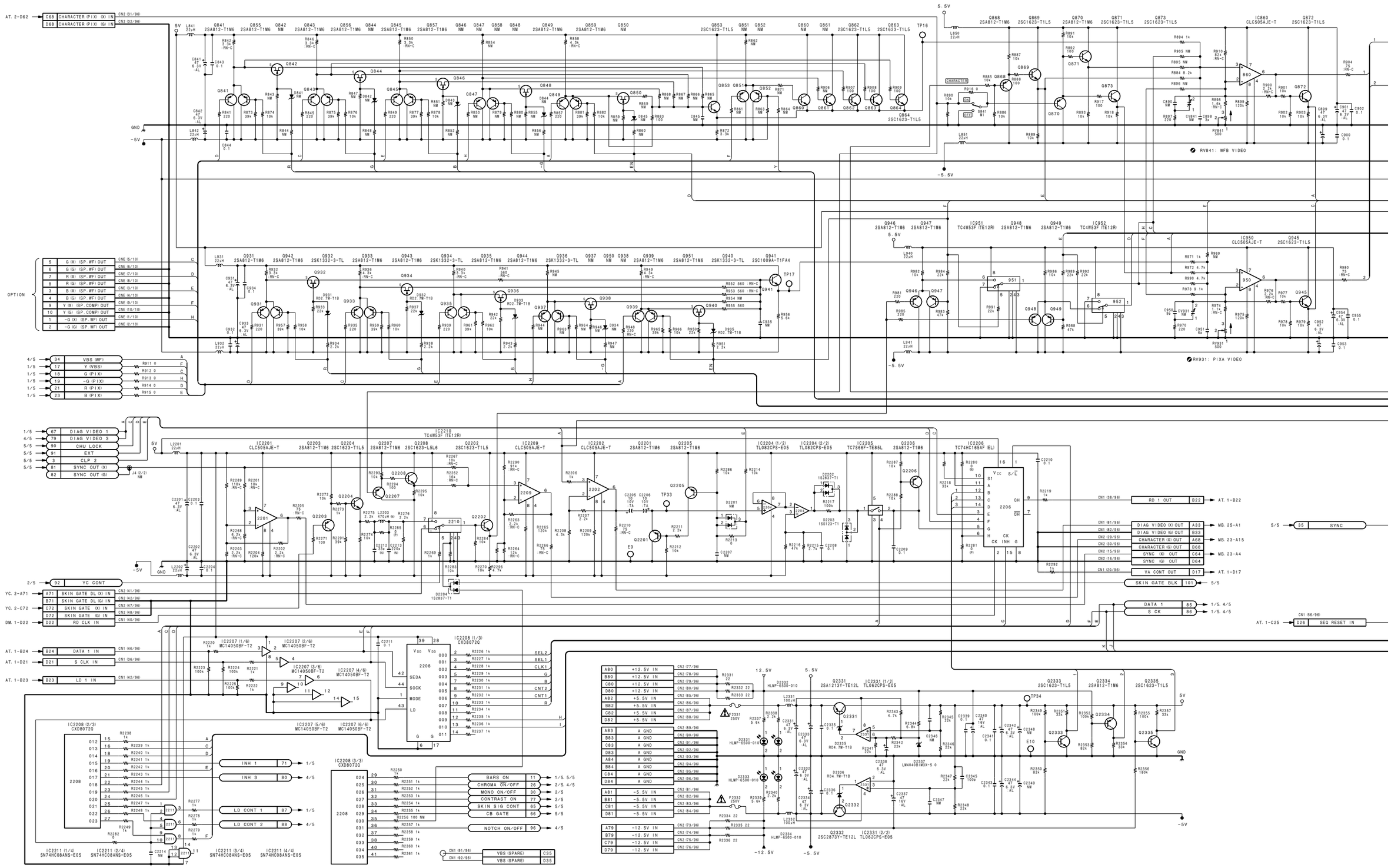
BOARD NO. 1-653-237-15
LOT NO. 510-
B-¥CCU700A-VA156-15/M

CCU-700A
CCU-700AP

I J K L M N O P

VA-156A/156B/156P (3/5)

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



4-12

VA-156A/156B/156P (3/5)

NOTE

1. NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only
4. (UC) Model only
5. (J) Model only
6. (EK) Model only

VA-156A/156B/156P (3/5)

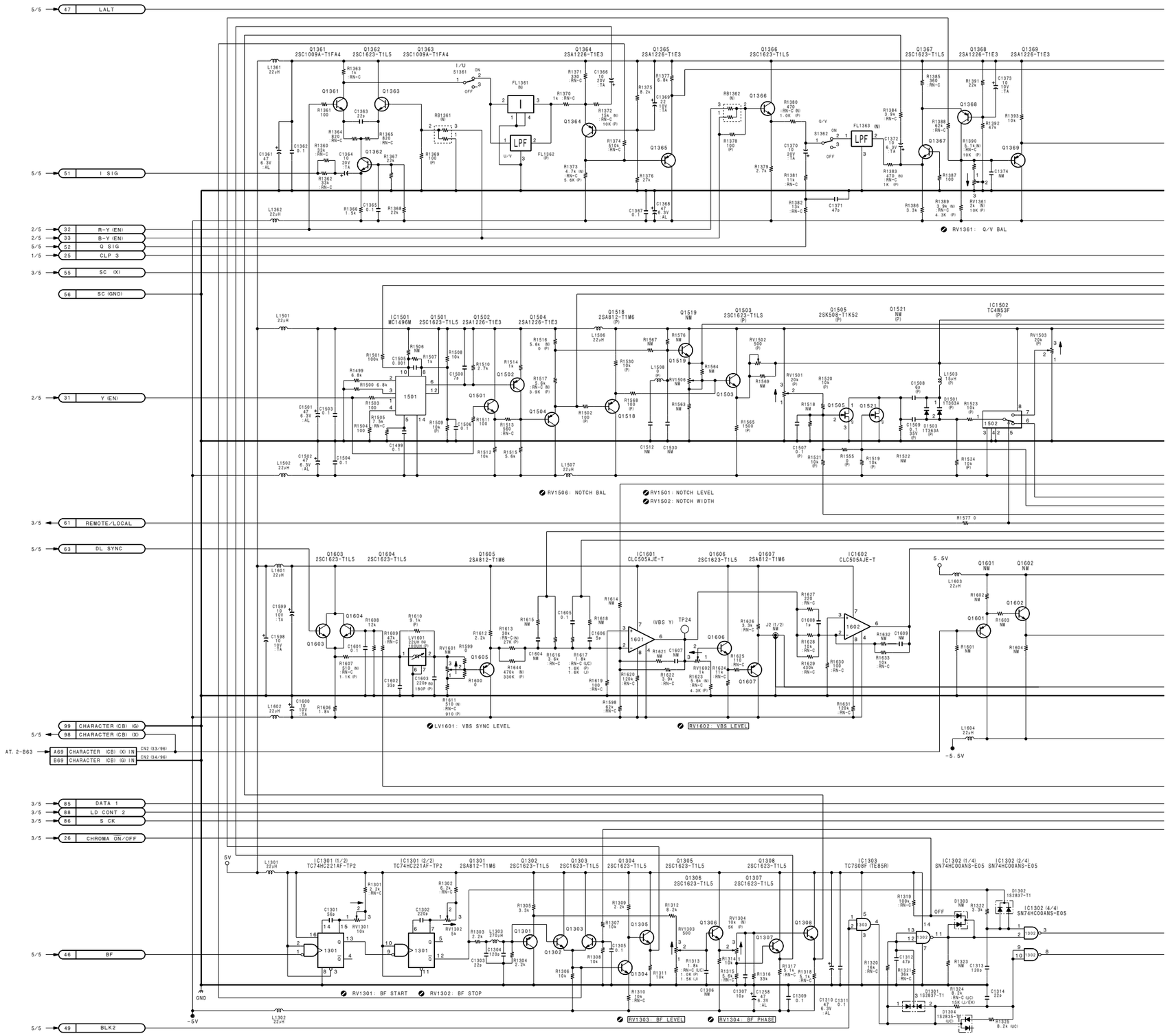
BOARD NO. 1-653-237-15
LOT NO. 510-
B-¥CCU700A-VA156-15/M

CCU-700A
CCU-700AP

4-13

VA-156A/156B/156P (4/5)

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



4-14

VA-156A/156B/156P (4/5)

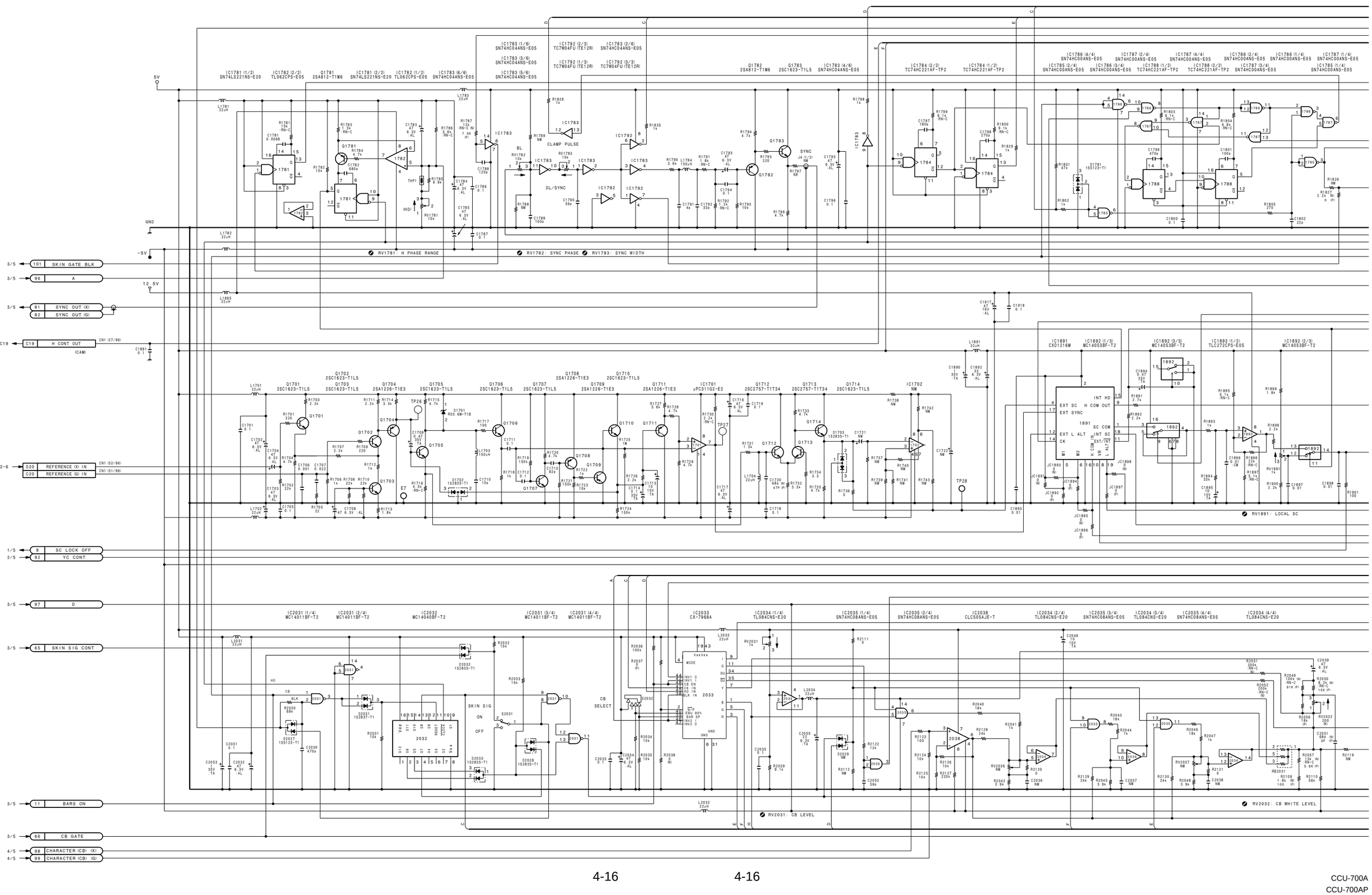
NOTE
1. NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only
4. (UC) :Model only
5. (J) :Model only
6. (EK) :Model only

VA-156A/156B/156P (4/5)

BOARD NO. 1-653-237-15
LOT NO. 510-
B-¥CCU700A-VA156-15/M

VA-156A/156B/156P (5/5)

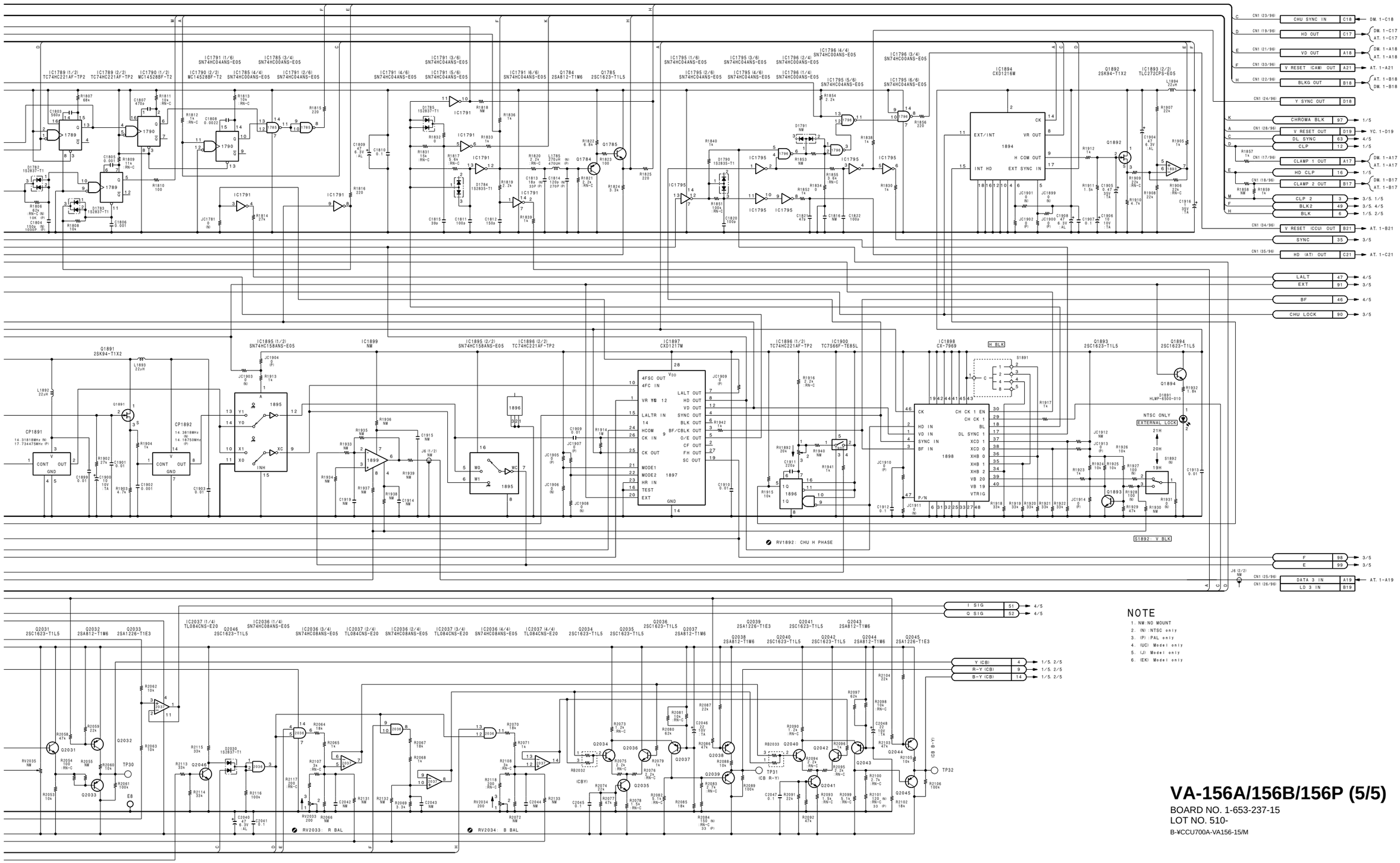
CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



4-16 4-16

CCU-700A
CCU-700AP

A B C D E F G H



NOTE

1. NM:NO MOUNT
2. (N) :NTSC only
3. (P) :PAL only
4. (UC) Model only
5. (J) Model only
6. (EK) Model only

VA-156A/156B/156P (5/5)

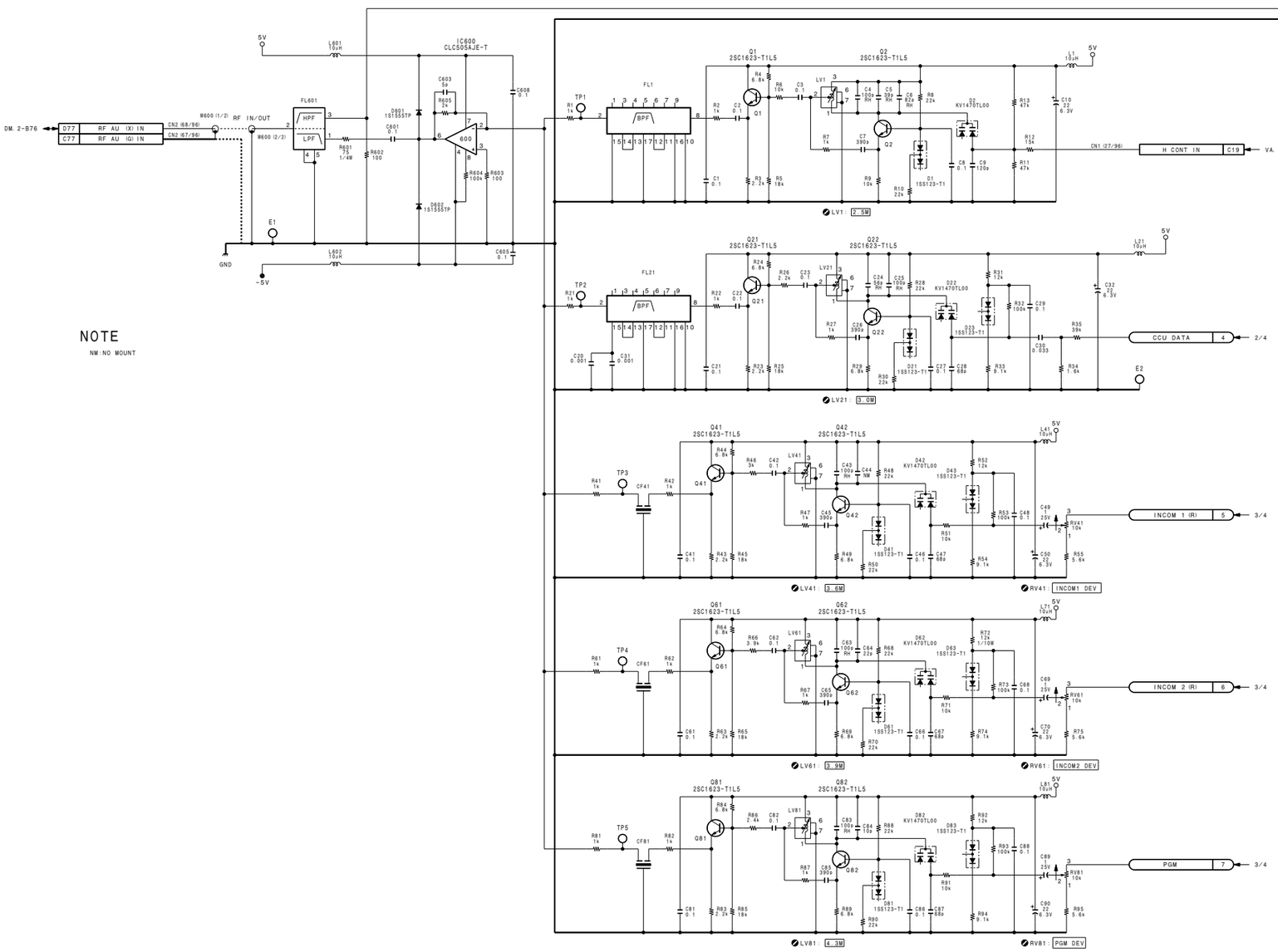
BOARD NO. 1-653-237-15
LOT NO. 510-
B-¥CCU700A-VA156-15/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

AT-88 BOARD

AT-88 (1-653-236-15)

BT1001	H12	F3	B4	IC2491	M6	PH1050	C10	RB1029	C11
		F4	B2	IC2492	M6	PH1051	B10	RB1030	J9
CF41	K5	F5	A12	IC2521	*N6	PH1052	C10	RB1031	J9
CF61	J5	F6	A12	IC2701	D2	PH2791	B7	RB1032	D12
CF81	H5			IC2702	D1	PH2821	A7	RB1033	D12
CF101	L4	IC101	K4	IC2751	C12			RB1034	E9
CF102	L4	IC102	H5	IC2810	B8	Q1	H7	RB1035	D9
CF201	L1	IC103	G5	IC2830	A7	Q2	G7	RB1036	E9
CF202	L1	IC104	H5	IC2840	B8	Q21	G6		
CF301	L2	IC105	G5			Q22	G6	RV41	K7
CF302	L2	IC201	K1	IS1004	K12	Q41	K6	RV61	J7
CF401	L3	IC202	G1			Q42	K6	RV81	H7
CF402	L3	IC301	K2	LV1	G6	Q61	J6	RV101	H4
CF501	L4	IC302	G2	LV21	G6	Q62	J6	RV201	G1
CF502	L4	IC401	K3	LV41	K5	Q81	H6	RV301	G2
		IC402	G3	LV61	J5	Q82	H6	RV401	G3
CN1	A10	IC501	K4	LV81	H5	Q101	L5	RV501	G4
CN2	A6	IC502	G4	LV101	J5	Q102	L5	RV2211	N4
		IC600	K7			Q103	L5	RV2212	N4
CP1001	N10	IC1001	G11	L1	F6	Q104	H5	RV2241	N4
		IC1002	J10	L21	F6	Q105	F5	RV2301	F2
D1	G7	IC1003	H10	L41	K7	Q201	L1	RV2310	D5
D2	F7	IC1004	K12	L71	J7	Q202	L1	RV2341	N6
D21	G6	IC1005	J12	L81	H7	Q203	L1	RV2342	N6
D22	F6	IC1006	H12	L101	F5	Q204	*H1	RV2451	N5
D23	*F6	IC1007	K12	L102	G4	Q301	L2	RV2452	N5
D41	K6	IC1008	J12	L103	L4	Q302	L2	RV2491	N5
D42	K6	IC1009	D10	L201	F1	Q303	L2		
D43	K6	IC1010	H9	L202	F1	Q304	*H2	S201	G1
D61	J6	IC1011	E10	L203	J1	Q401	L3	S301	G2
D62	J6	IC1012	F10	L204	L1	Q402	L3	S1001	F12
D63	J6	IC1013	F10	L301	F2	Q403	L3	S1002	F12
D81	J6	IC1017	C10	L302	F2	Q501	L4	S1003	N9
D82	H6	IC1018	C11	L303	J2	Q502	L4	S1004	N9
D83	J6	IC1019	K11	L304	L2	Q503	L4	S1005	N8
D201	*J1	IC1020	J11	L401	F3	Q1001	L9	S1006	B10
D202	*K1	IC1022	J11	L402	F3	Q1002	N9	S1007	B10
D301	*J2	IC1024	E9	L403	J3	Q1003	K9	S2061	E6
D601	L6	IC1025	F9	L404	L3	Q1004	*K9	S2062	N7
D602	L6	IC1026	F9	L501	F4	Q1010	*B9	S2081	D5
D1001	H11	IC1027	C11	L502	F4	Q1012	*A9	S2082	F5
D1002	F12	IC1028	G11	L503	J4	Q1103	L9	S2241	N5
D1003	F12	IC1034	E11	L504	L4	Q1104	M9	S2301	N8
D1004	F12	IC1035	D12	L601	K7	Q2211	*M3	S2341	E3
D1005	F12	IC1036	F11	L602	L7	Q2212	*M4	S2491	M8
D2001	*D6	IC1037	F11	L1001	C11	Q2213	*N3	S2791	B6
D2002	*D6	IC1038	F11	L1002	N11	Q2241	*M3	S2792	B7
D2061	*D6	IC1039	J9	L1003	K9	Q2242	*M4	S2821	A6
D2062	*E6	IC1043	M10	L1102	F10	Q2243	*M3	S2822	A7
D2063	*E6	IC1044	D9	L1103	E9	Q2271	*N3		
D2064	*E6	IC1045	E12	L1104	E10	Q2272	*N4	TP1	G7
D2065	*E6	IC1046	F12	L1105	E12	Q2273	*N3	TP2	G6
D2066	*D6	IC1047	J9	L1106	D12	Q2421	*M7	TP3	J5
D2067	*D6	IC1048	J9	L1107	E12	Q2422	*M7	TP4	J5
D2081	*F5	IC1109	L11	L1108	H9	Q2423	*M7	TP5	H5
D2082	*F5	IC1110	N11	L1109	L10	Q2424	*M6	TP6	J5
D2121	*D7	IC1111	G11	L1110	N11	Q2425	*M7	TP7	H5
D2122	*D7	IC1112	L10	L1111	K10	Q2426	*M7	TP8	J1
D2181	*N1	IC1113	L10	L1112	G10	Q2521	*N5	TP9	G1
D2182	*N1	IC1114	N10	L1113	E10	Q2522	*N5	TP10	F1
D2301	*E3	IC1200	G9	L1114	F11	Q2523	*N5	TP11	J2
D2302	*F3	IC1201	G9	L1115	K12	Q2701	D2	TP12	G2
D2303	*F3	IC1202	G9	L1116	K12	Q2702	D3	TP13	F2
D2305	*E3	IC1203	G9	L1117	M12	Q2703	D1	TP14	J3
D2306	*E2	IC2001	D6	L1118	J11	Q2704	D2	TP15	G3
D2307	*F2	IC2002	E6	L1119	K9	Q2751	B12	TP16	J4
D2421	*M6	IC2003	E6	L1120	D11	Q2791	*B7	TP17	G4
D2422	*M5	IC2004	D6	L1121	L10	Q2821	*A7	TP21	J9
D2701	N10	IC2005	D6	L1122	L10	Q2830	*A8	TP22	F9
D2702	N10	IC2006	C6	L1123	N10	Q2831	*A8	TP23	E10
D2703	N10	IC2061	D6	L1124	N10	Q2840	*B8	TP24	K10
D2704	N10	IC2062	D6	L1125	E9	Q2841	*B8	TP40	N2
D2705	*D2	IC2063	D6	L1126	B10	Q2842	*B8	TP42	L7
D2706	D3	IC2064	E6	L1127	C10			TP43	M1
D2707	*D3	IC2065	E6	L1128	B9	RB1000	D11	TP44	L7
D2708	*D1	IC2066	E5	L1129	C9	RB1001	G12	TP45	L7
D2709	*D2	IC2068	E5	L1130	M10	RB1002	M11	TP46	L7
D2751	*C12	IC2069	D6	L1131	L9	RB1003	N10	TP47	E3
D2791	*B6	IC2081	F5	L1132	N9	RB1004	L11	TP48	E3
D2792	*B6	IC2082	F3	L2001	*C6	RB1005	L11	TP1001	D11
D2793	*B7	IC2121	D7	L2002	*C7	RB1006	K11		
D2821	*A6	IC2122	E7	L2003	*C6	RB1007	D12	T201	H1
D2822	*A6	IC2141	E7	L2081	*C6	RB1008	E12	T301	H2
D2823	*A7	IC2142	D7	L2082	*C6	RB1009	D12	T401	H3
D2830	*A7	IC2143	D7	L2121	*C7	RB1010	C10	T501	H4
D2831	*A7	IC2181	N1	L2122	*C8	RB1011	C10	T2830	A8
D2833	*A8	IC2182	N2	L2181	*M1	RB1012	C9		
D2840	*B8	IC2211	M2	L2182	*M1	RB1013	C10	X1002	F11
D2841	*B8	IC2212	M3	L2301	E2	RB1014	D10		
E1	L6	IC2241	M2	L2302	*E2	RB1015	C9		
E2	F6	IC2242	M3	L2421	*L7	RB1016	B10		
E10	N1	IC2271	*N4	L2422	*L6	RB1017	B10	*:B SIDE	
E11	M8	IC2301	E3	L2701	A1	RB1018	D10		
E12	E1	IC2302	F3	L2702	B2	RB1019	D10		
E20	J9	IC2303	E1	L2703	B3	RB1020	D9		
E1000	C11	IC2342	F4	L2704	B1	RB1021	E11		
		IC2343	F4	L2751	B11	RB1022	D10		
FL1	H6	IC2381	*E4	L2792	B8	RB1023	C9		
FL21	H6	IC2382	*D4	L2793	A11	RB1024	C9		
FL601	K6	IC2421	M5	L2840	B8	RB1025	C9		
		IC2422	M5	L2841	B8	RB1026	K11		
F1	A2	IC2451	M6			RB1027	J11		
F2	B3	IC2452	M6	PH1049	B10	RB1028	C11		



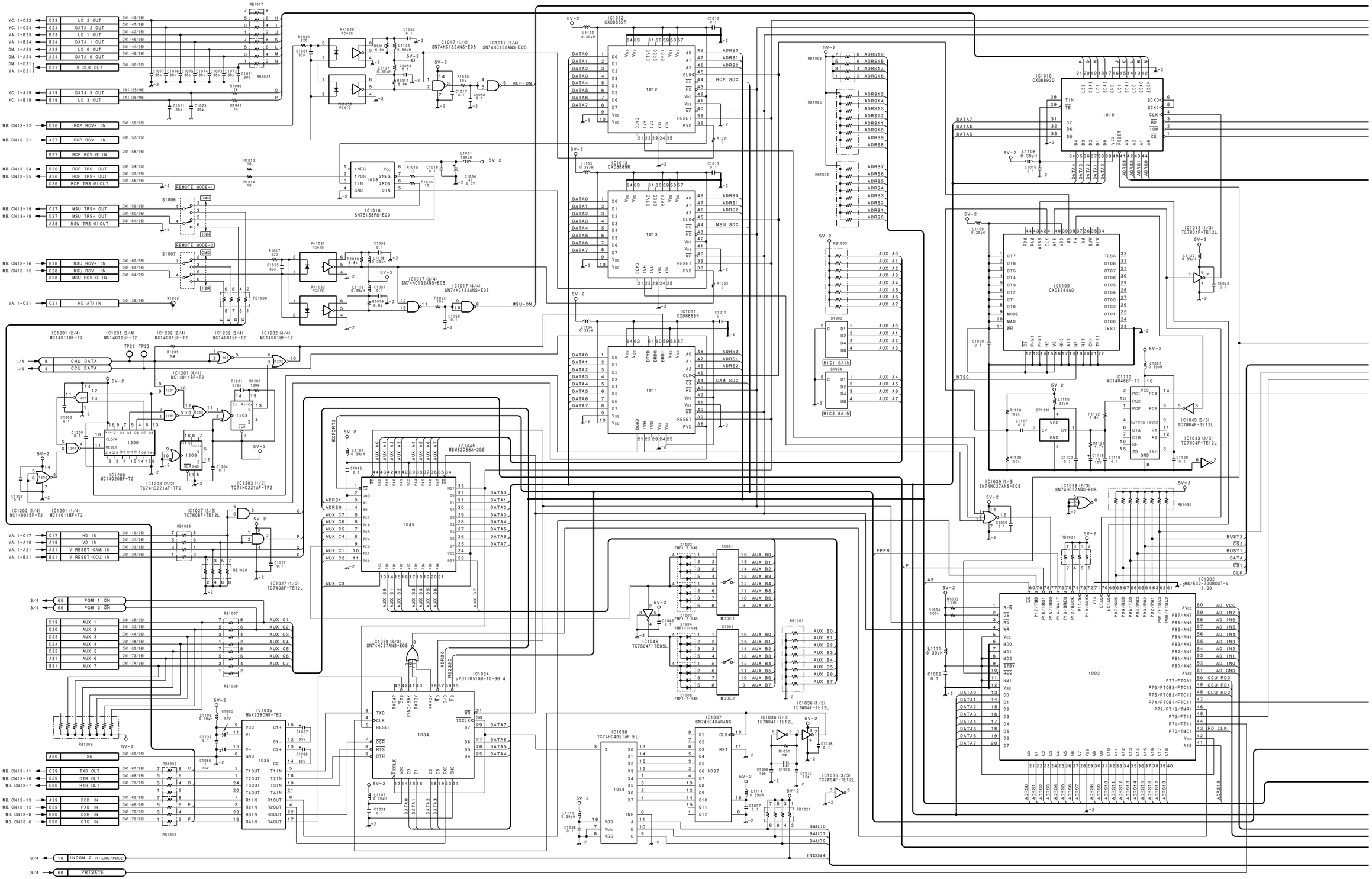
NOTE
NM:NO MOUNT

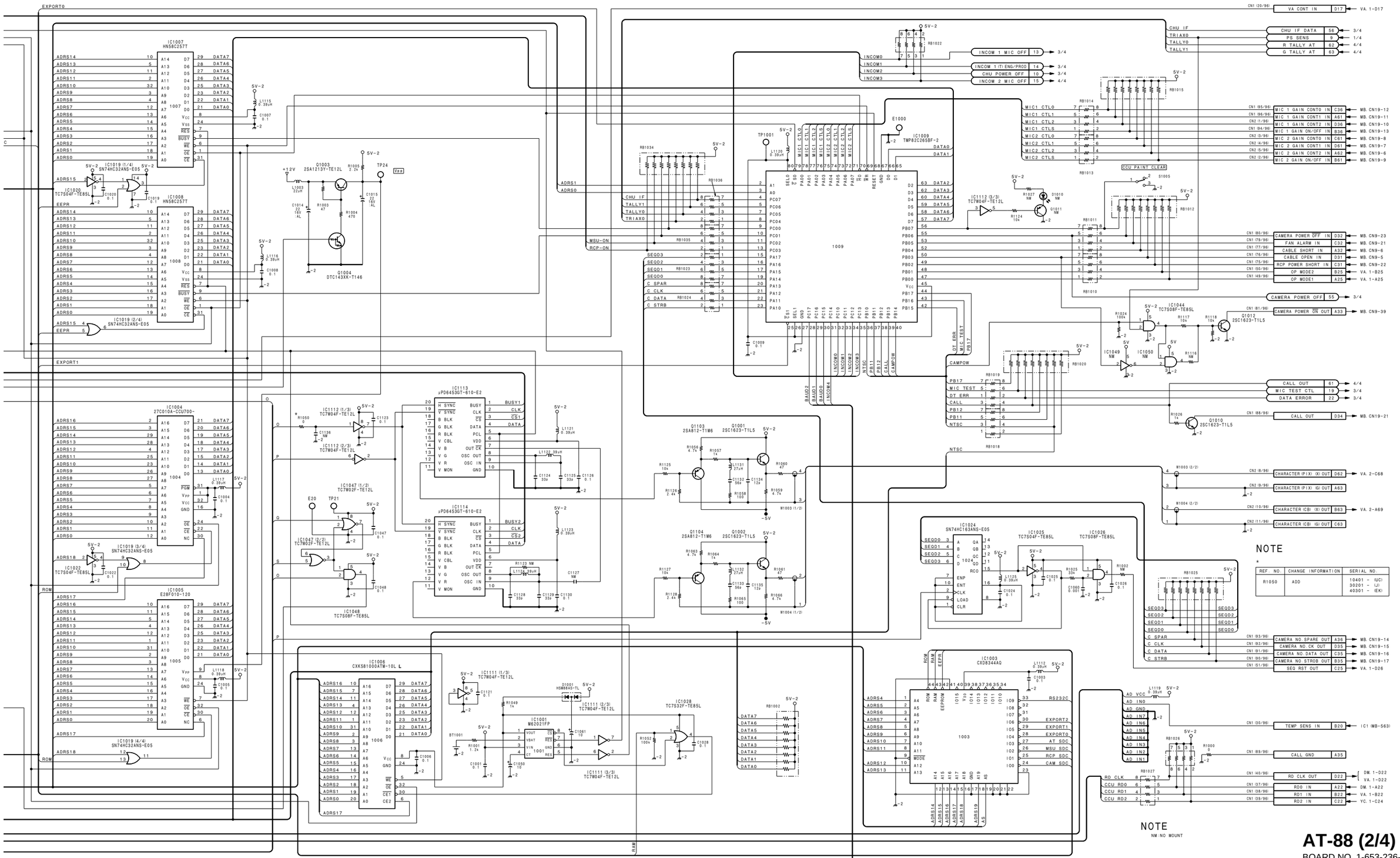
AT-88 (1/4)

BOARD NO. 1-653-236-15
LOT NO. 510-

B-¥CCU700A-AT88-15/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

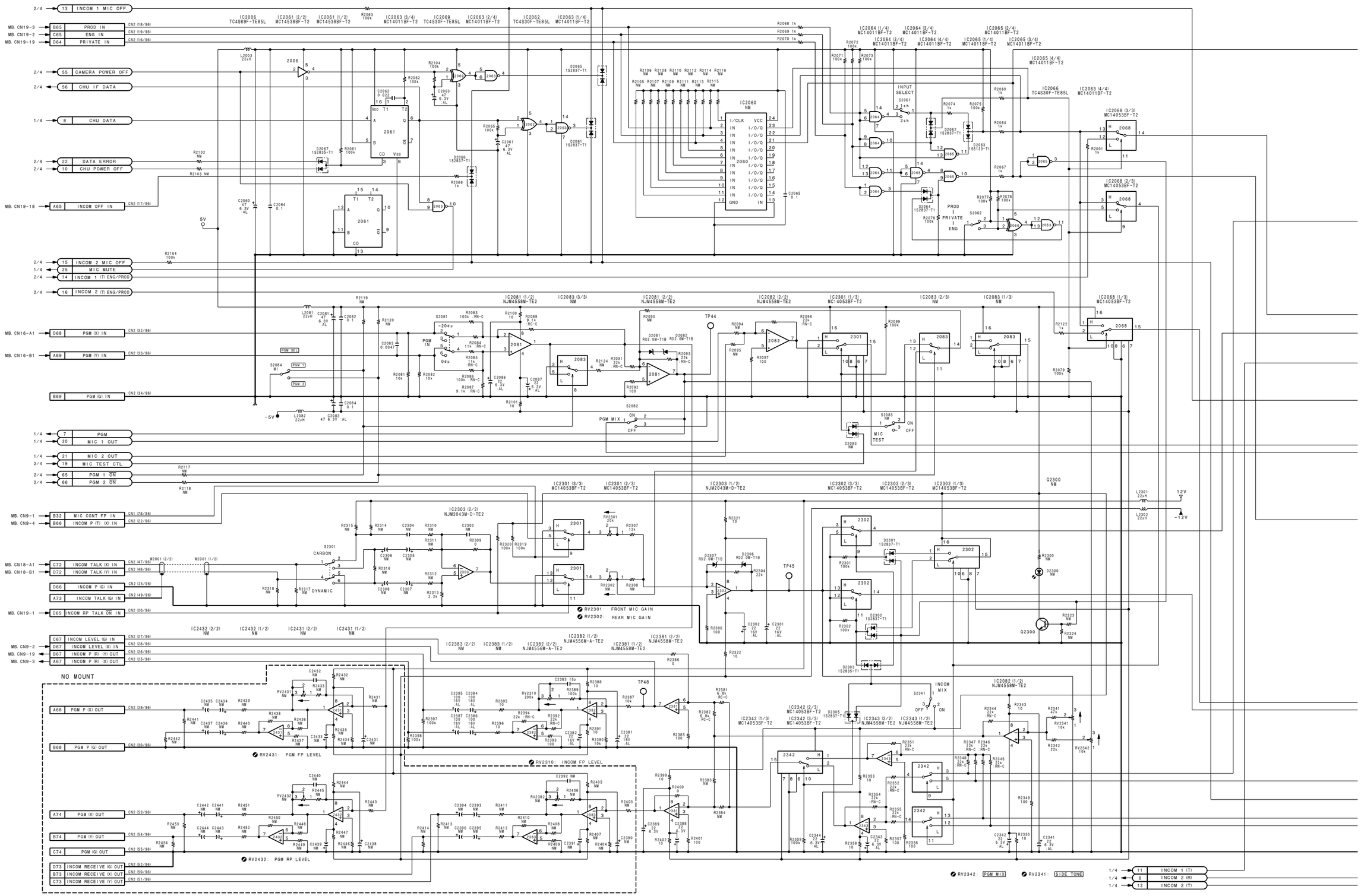




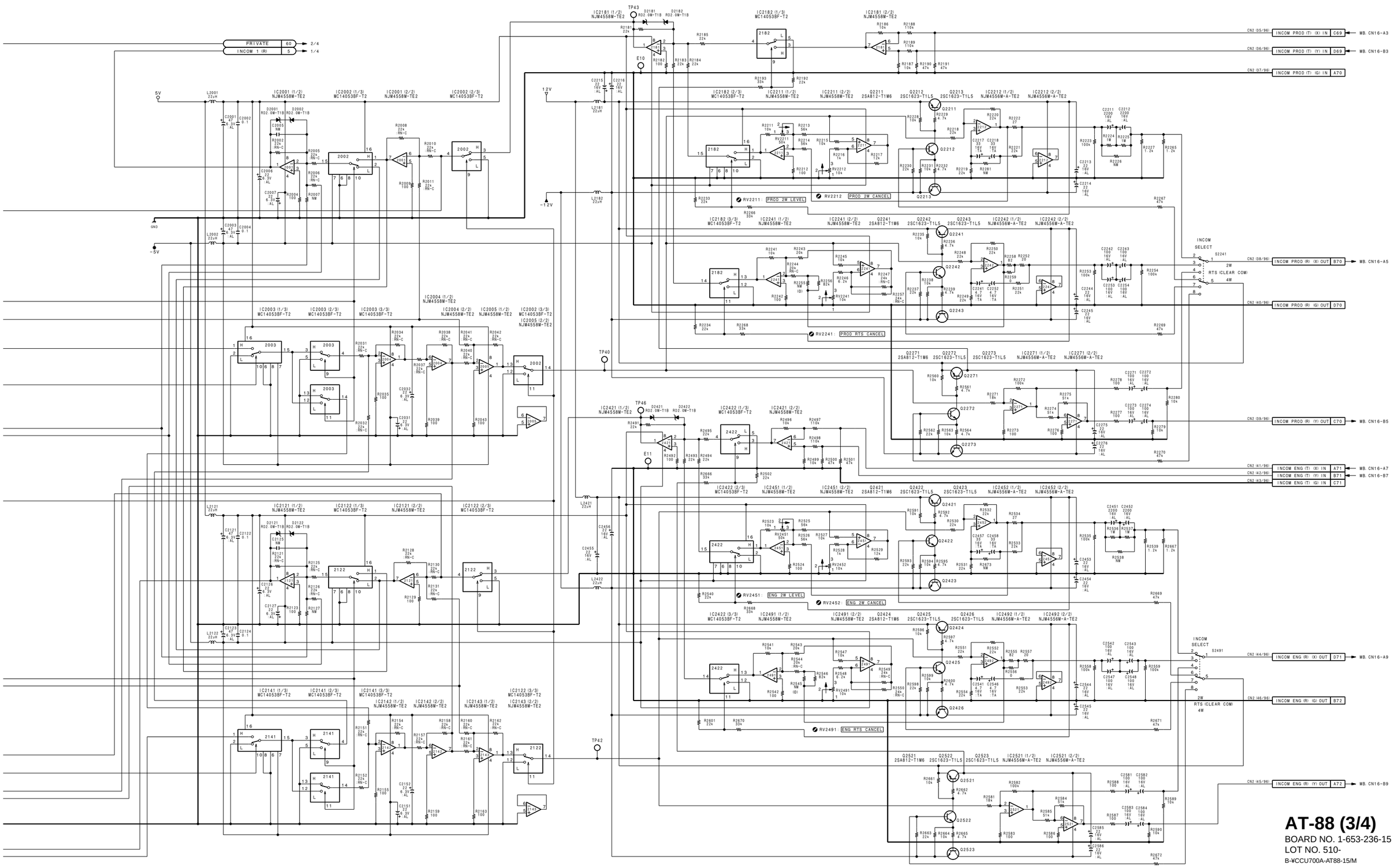
AT-88 (2/4)

BOARD NO. 1-653-236-15
LOT NO. 510-
B-¥CCU700A-AT88-15/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



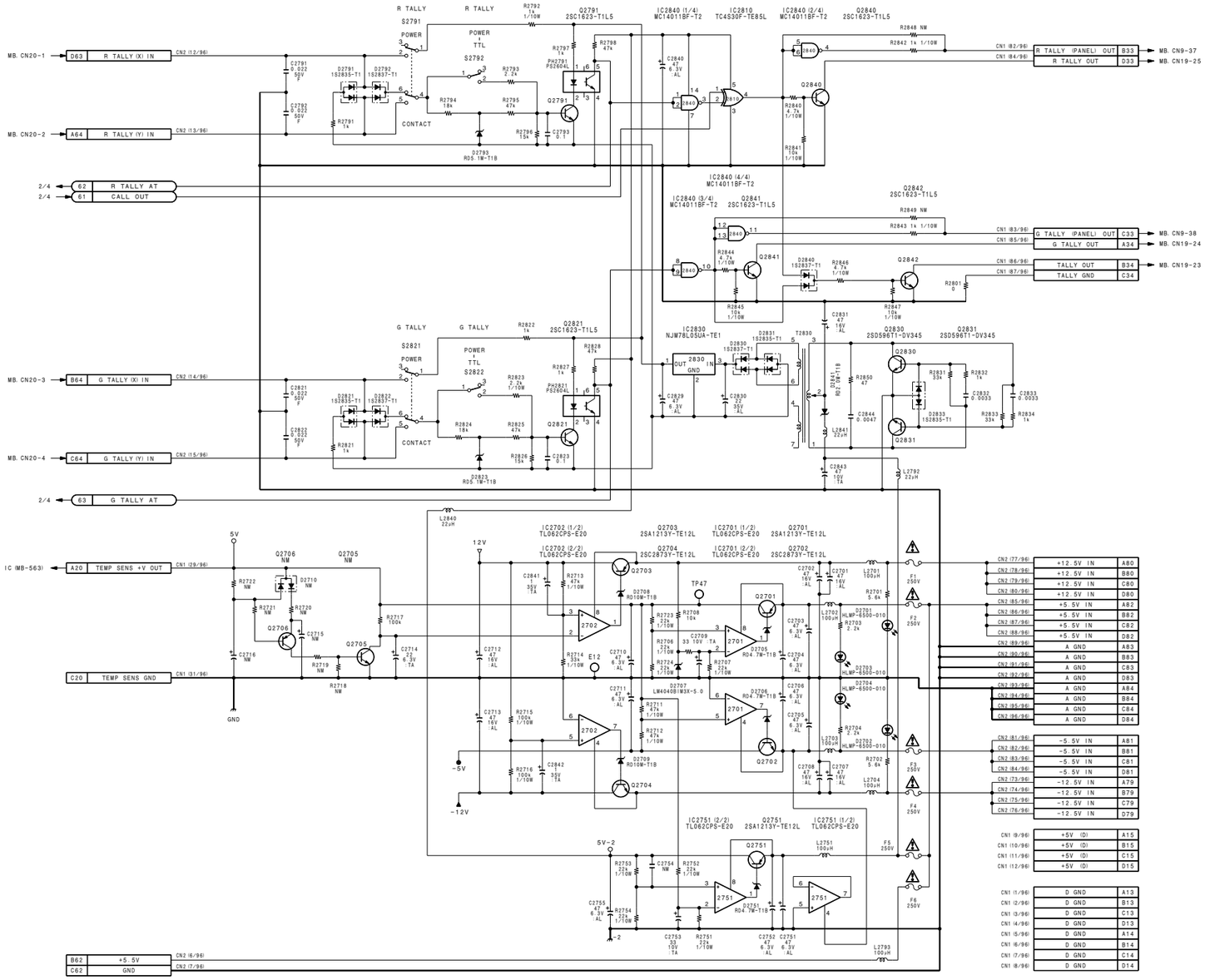
CCU-700A
CCU-700AP



AT-88 (3/4)
BOARD NO. 1-653-236-15
LOT NO. 510-
B-¥CCU700A-AT88-15/M

CCU-700A
CCU-700AP

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)



NOTE
NM: NO MOUNT

AT-88 (4/4)

BOARD NO. 1-653-236-15
LOT NO. 510-
B-¥CCU700A-AT88-15/M

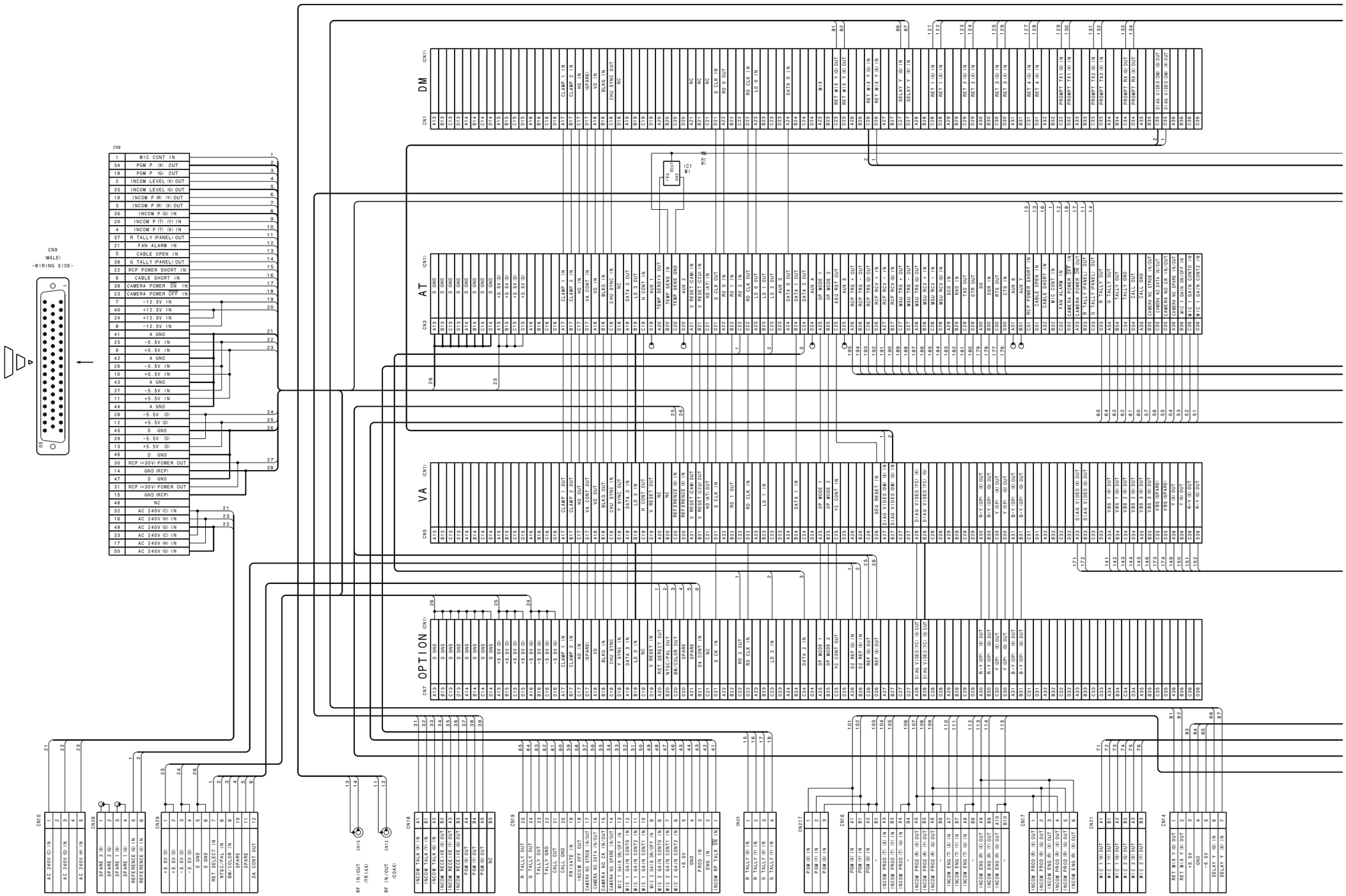
CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

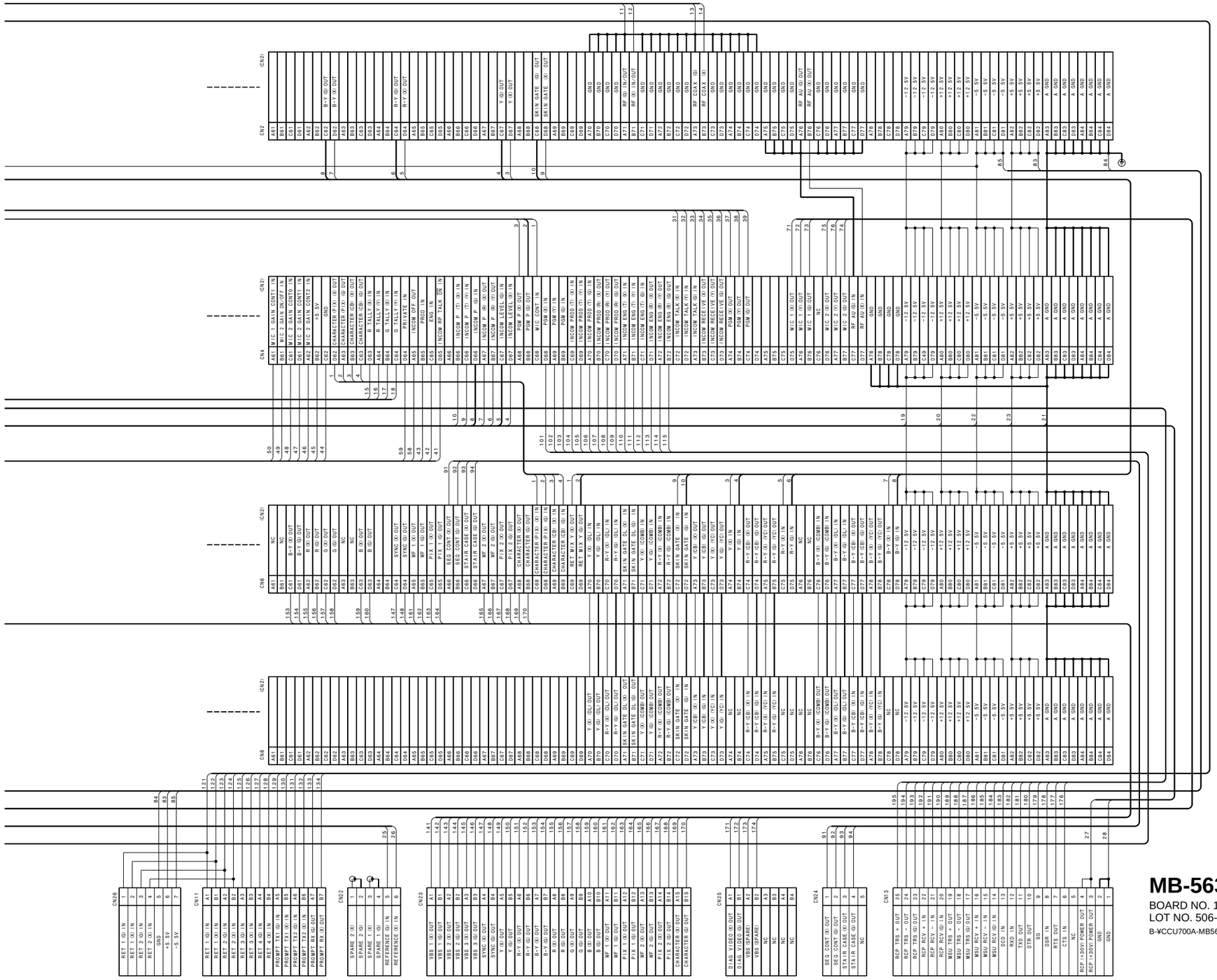
MB-563 BOARD

MB-563 (1-653-239-12)

CN1	C1
CN2	E1
CN3	C2
CN4	E2
CN5	C3
CN6	E3
CN7	C4
CN8	E4
CN9	A3
CN10	* F4
CN11	* D1
CN12	* E1
CN13	* A3
CN15	* E1
CN16	* E2
CN17	* D2
CN18	* D1
CN19	* F3
CN20	* D2
CN21	* E1
CN22	* C3
CN23	* D3
CN24	* B2
CN25	* D2
CN26	* D2
CN27	* D2
CN28	* B3

*:B SIDE





MB-563

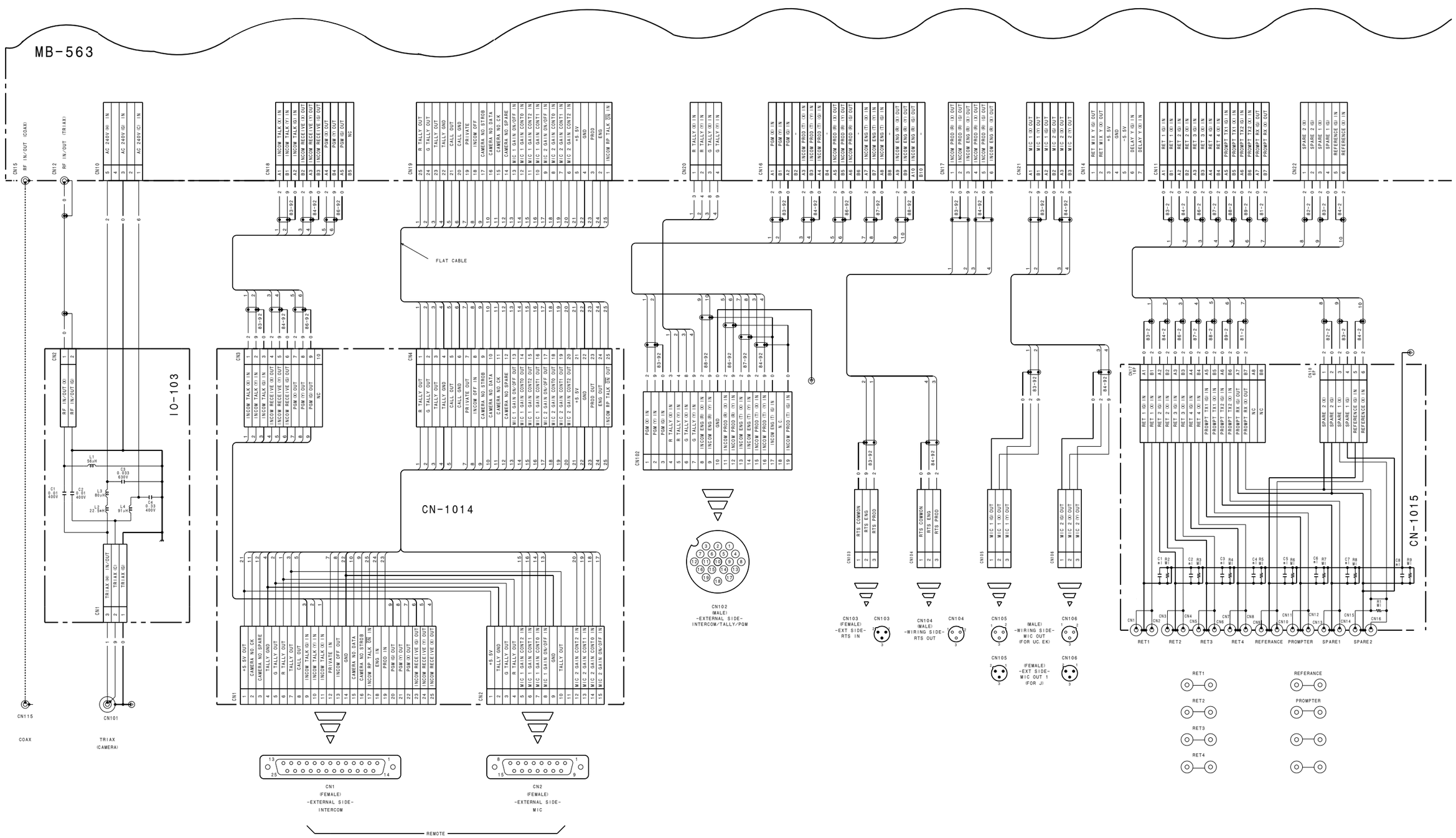
BOARD NO. 1-653-239-12
LOT NO. 506-
B-¥CCU700A-MB563/M

CCU-700A
CCU-700AP

FRAME WIRING CN-1014, CN-1015, CN-1036, CN-1049, IO-103

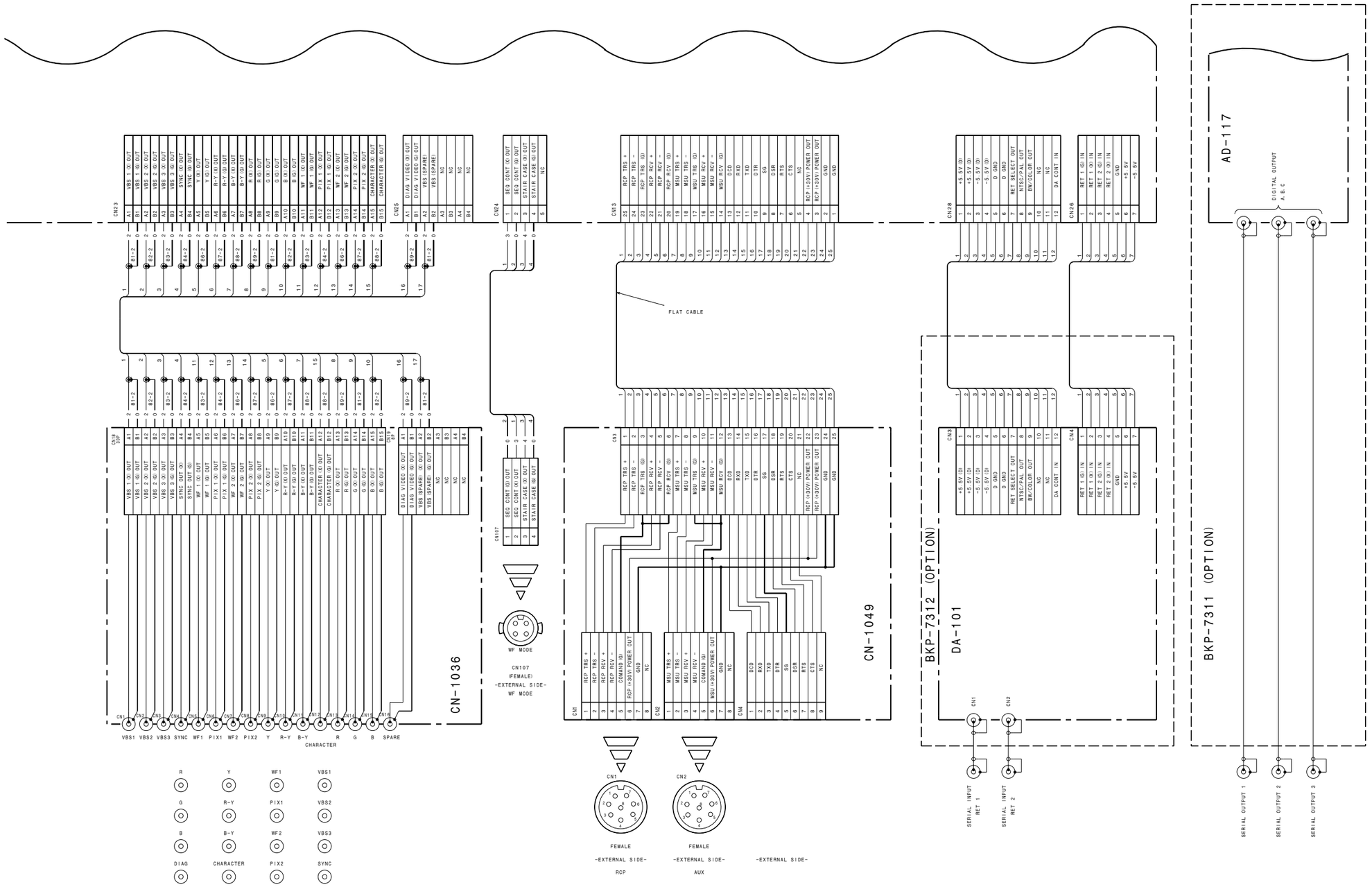
CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

FRAME WIRING



4-28

FRAME WIRING CN-1014, CN-1015, CN-1036, CN-1049, IO-103



FRAME WIRING

CN-1014/1015/1036/1049

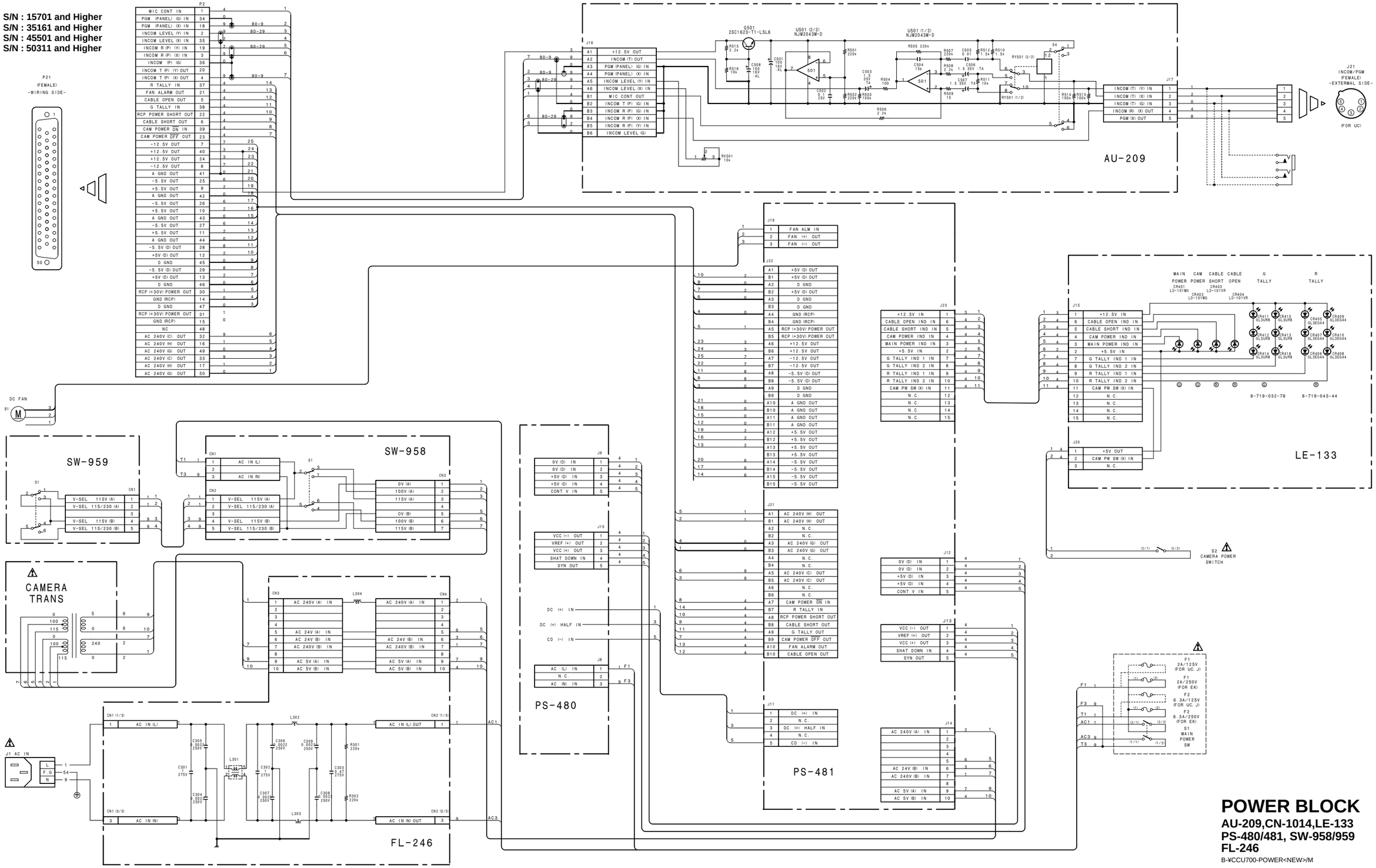
IO-103

B-¥CCU700A-FRAME/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

POWER BLOCK

S/N : 15701 and Higher
S/N : 35161 and Higher
S/N : 45501 and Higher
S/N : 50311 and Higher



POWER BLOCK

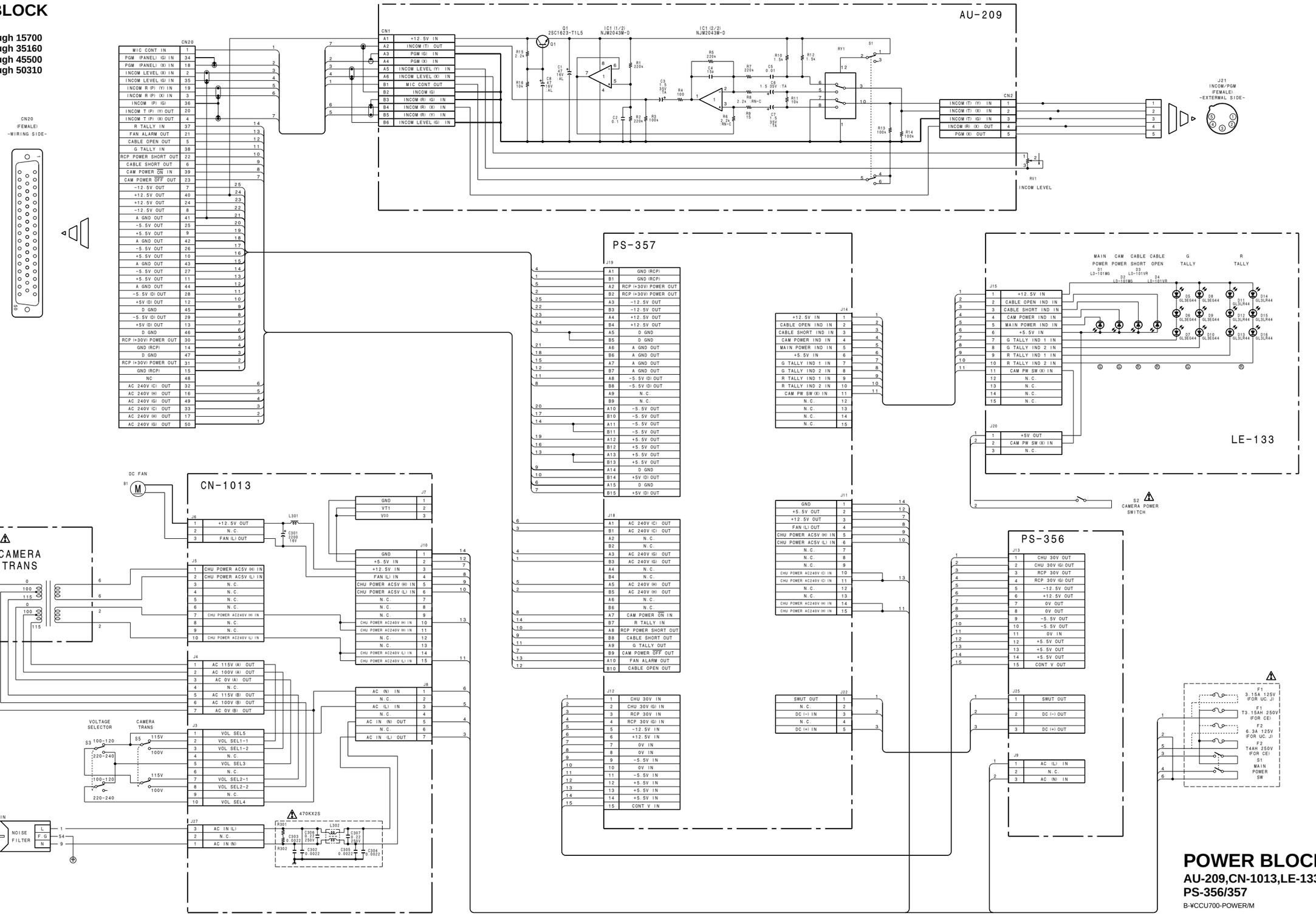
AU-209,CN-1014,LE-133
PS-480/481, SW-958/959
FL-246

B-¥CCU700-POWER<NEW>/M

CCU-700A (J)
CCU-700A (UC)
CCU-700AP (CE)

POWER BLOCK

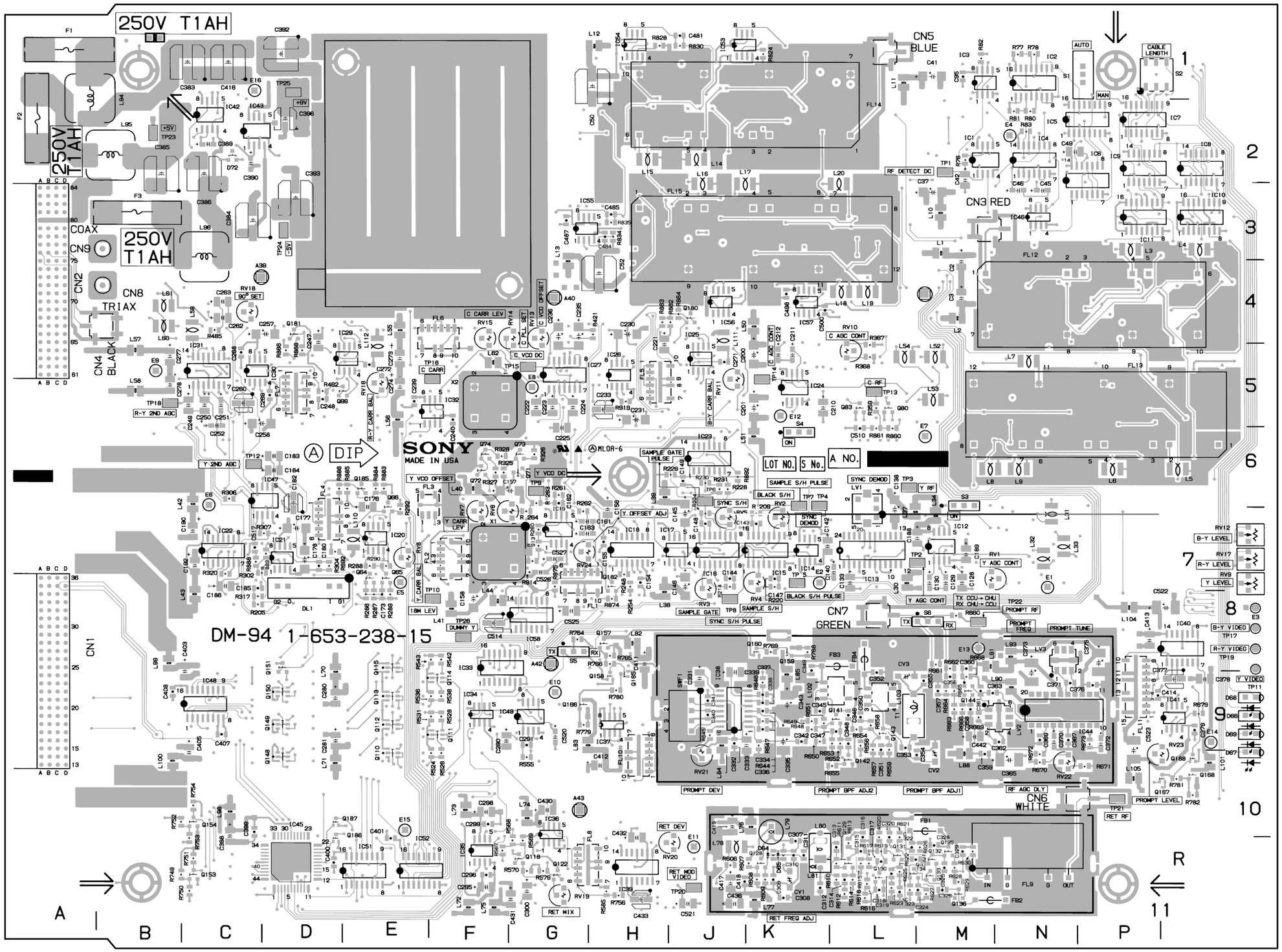
S/N : 15001 through 15700
S/N : 35001 through 35160
S/N : 45001 through 45500
S/N : 50001 through 50310



POWER BLOCK
AU-209,CN-1013,LE-133
PS-356/357
B-¥CCU700-POWER/M

Section 5
Board Layouts

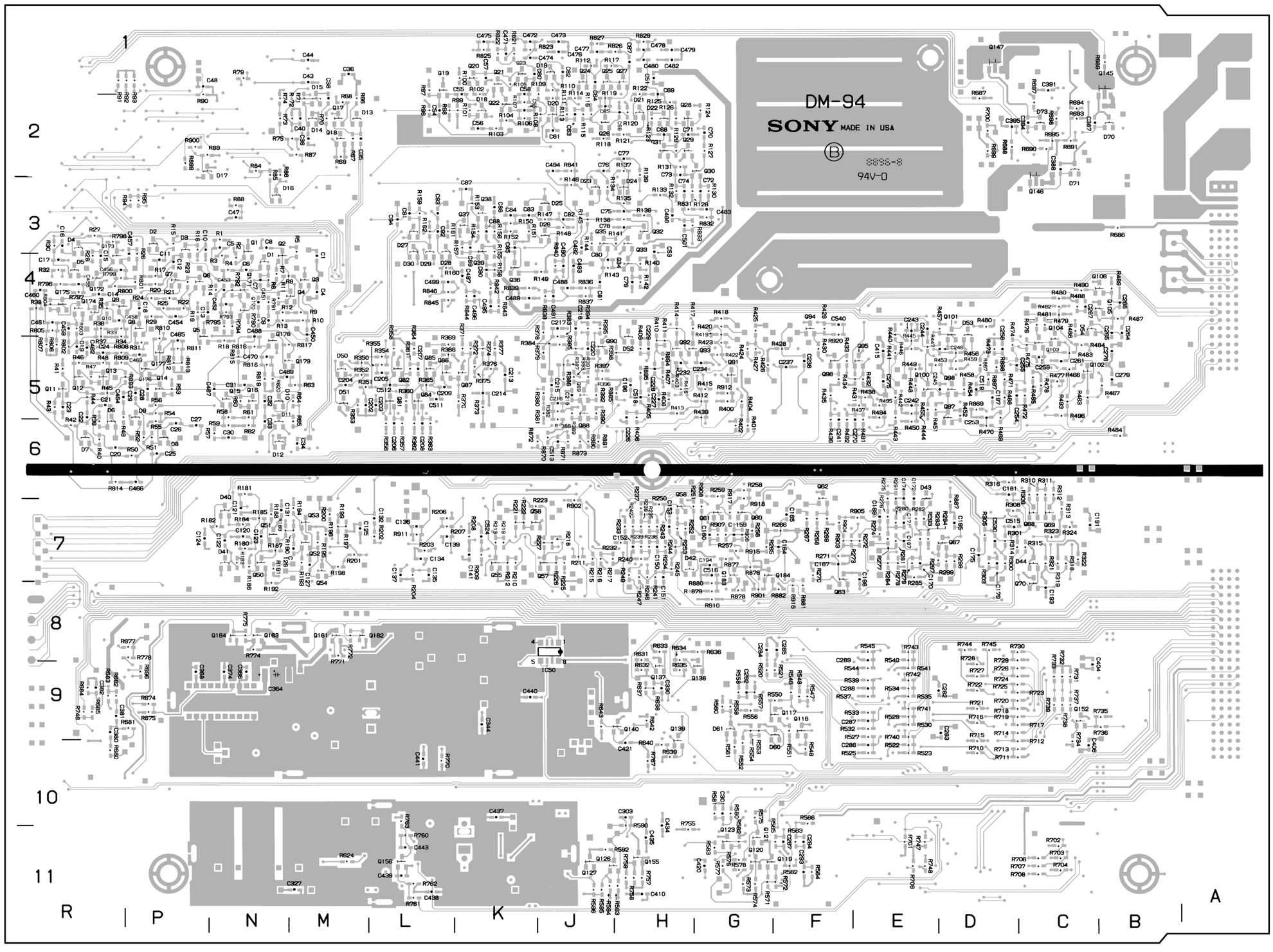
DM-94 BOARD



DM-94 - A SIDE -

1-653-238-15

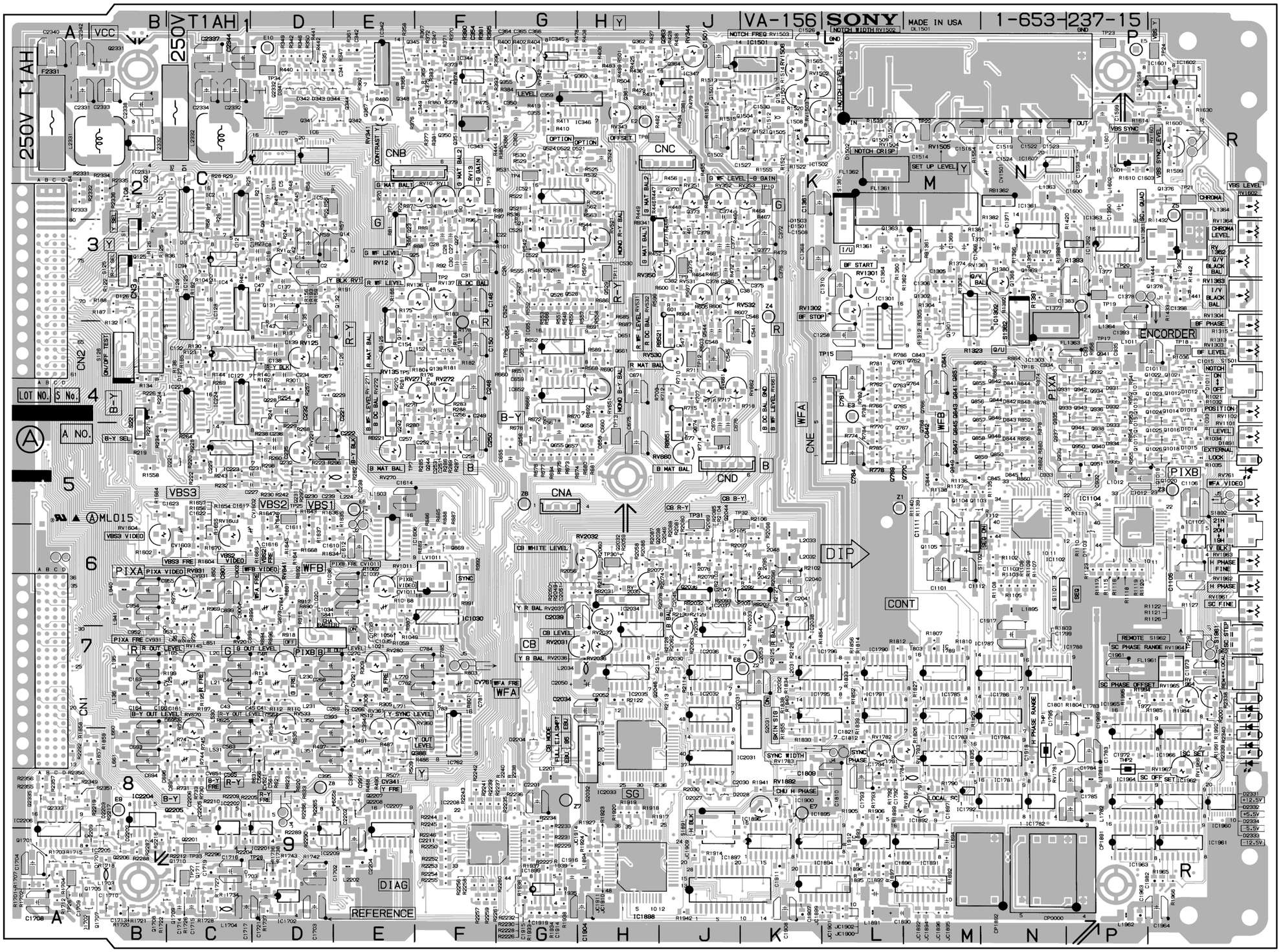
CCU-700A
CCU-700AP



DM-94 - B SIDE -

1-653-238-15

VA-156 BOARD



VA-156 - A SIDE -

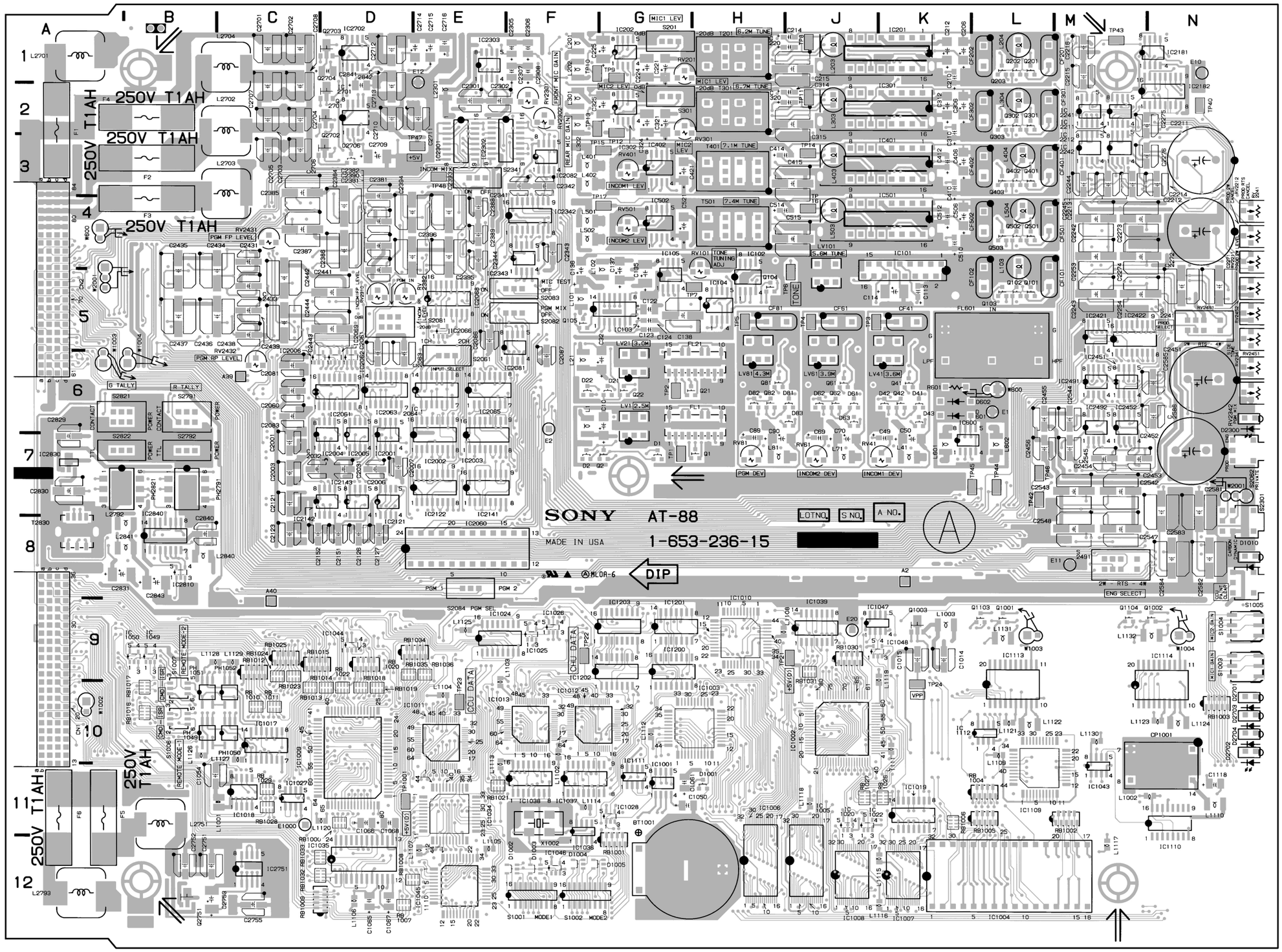
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VA-156 - B SIDE -

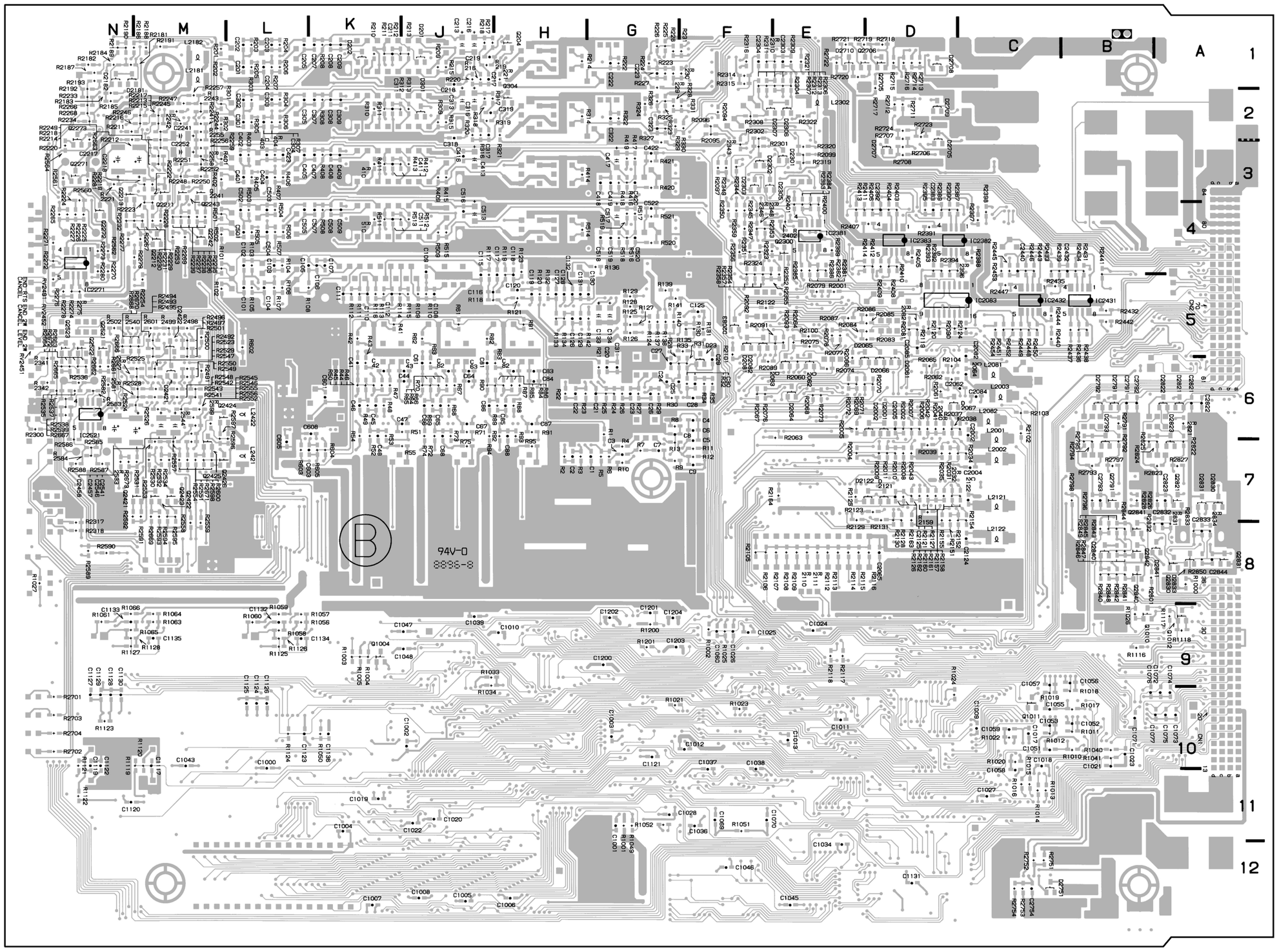
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AT-88 BOARD



AT-88 - A SIDE -

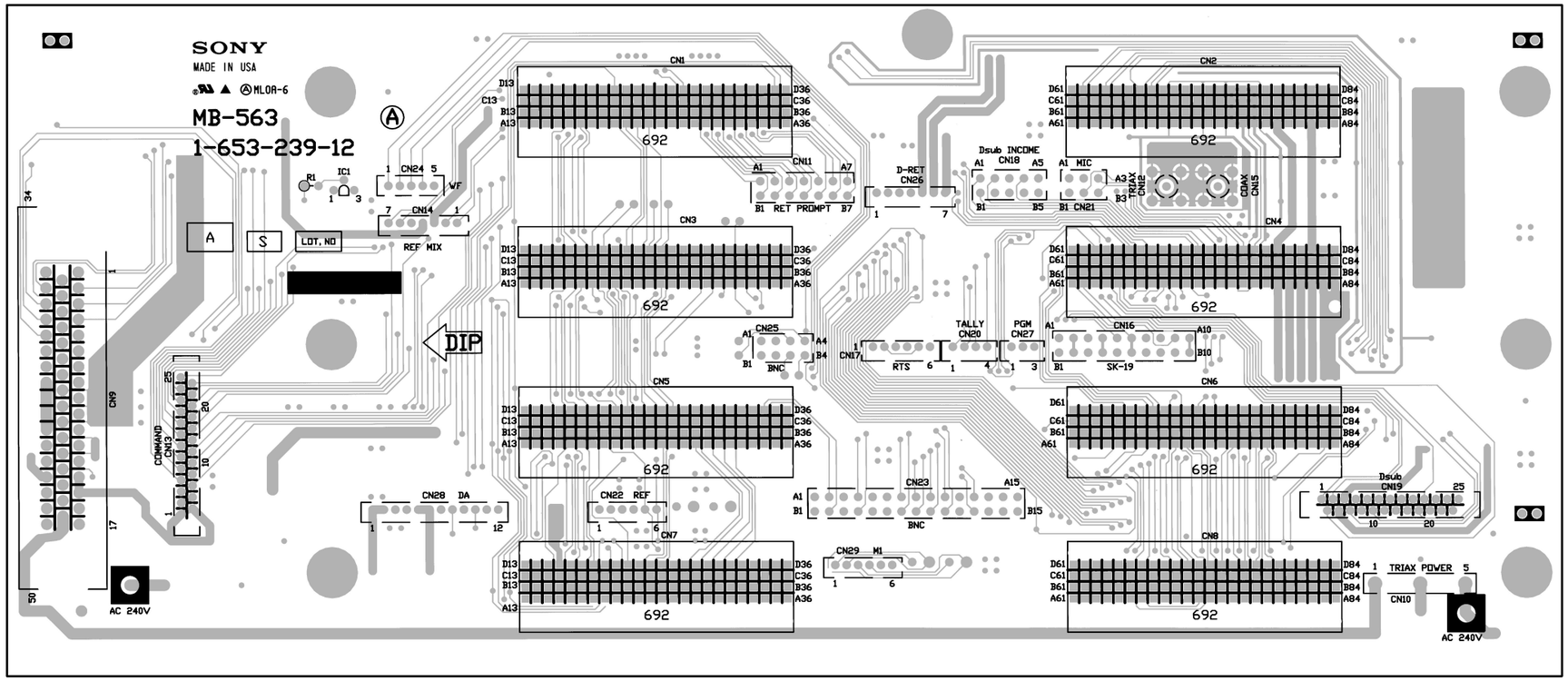
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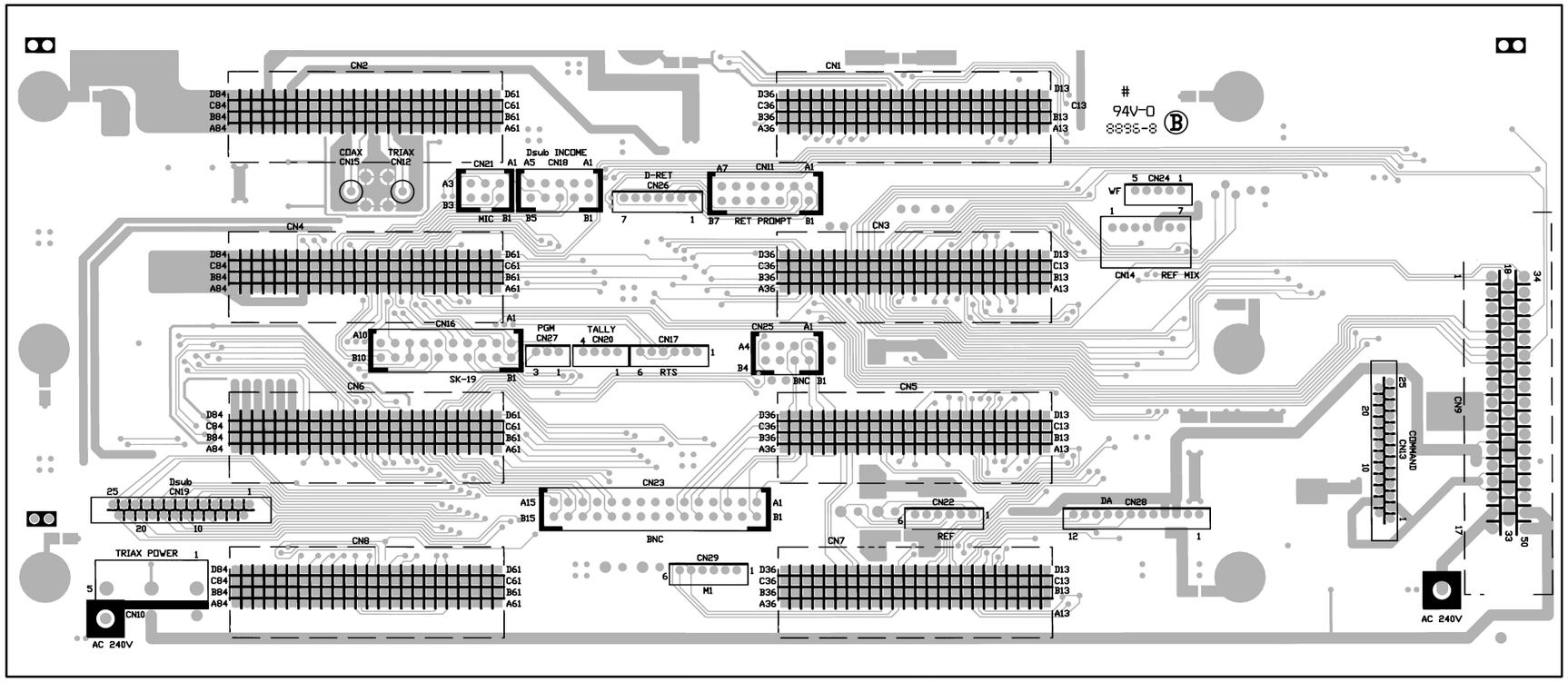
1-653-236-15

MB-563 BOARD



MB-563 - A SIDE -

1-653-239-12



MB-563 - B SIDE -

1-653-239-12

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

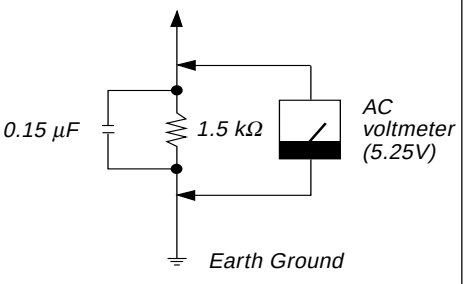


Fig A. Using an AC voltmeter to check AC leakage.

CCU-700A (J, UC)
CCU-700AP (CE) J, E
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