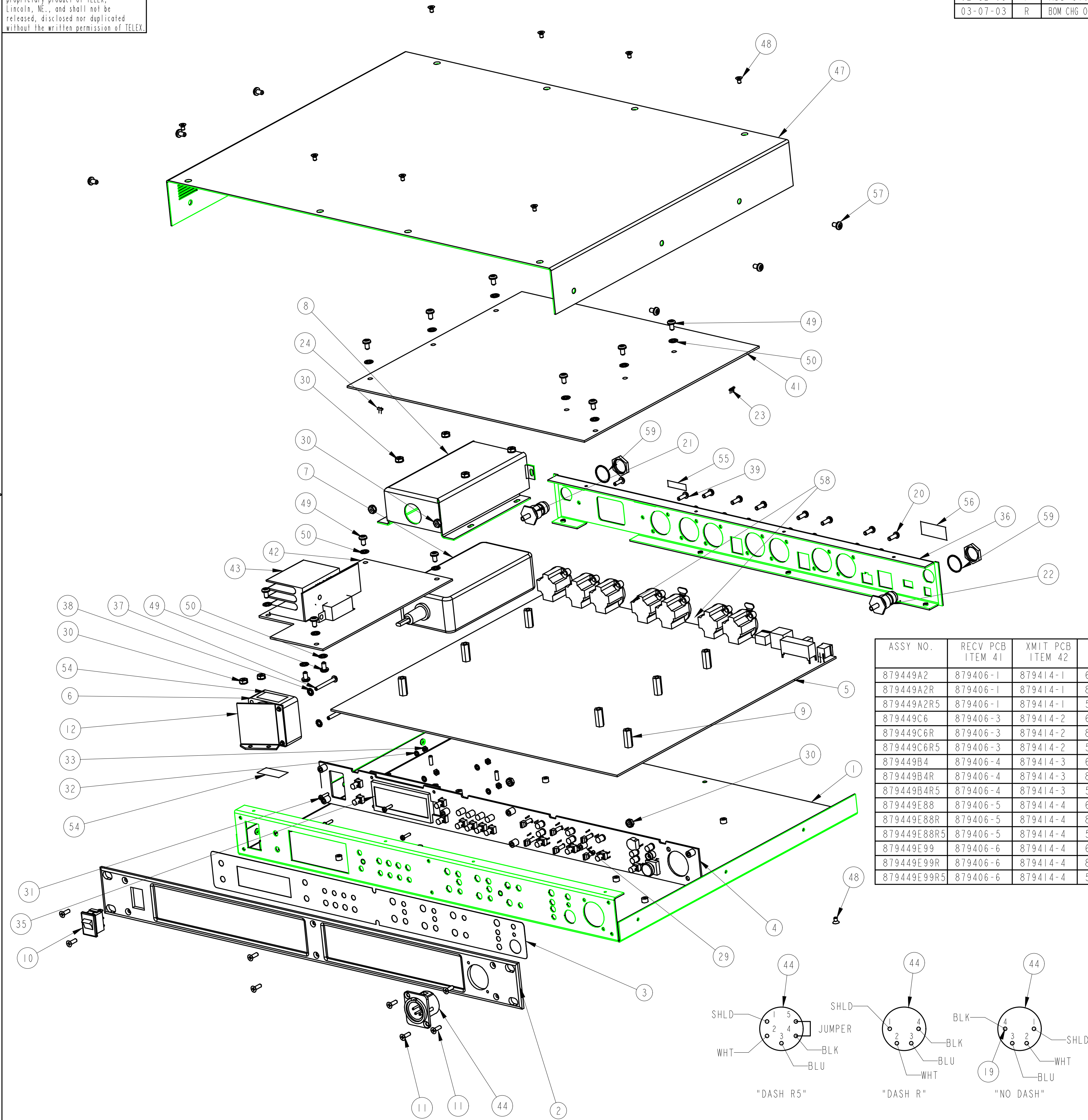


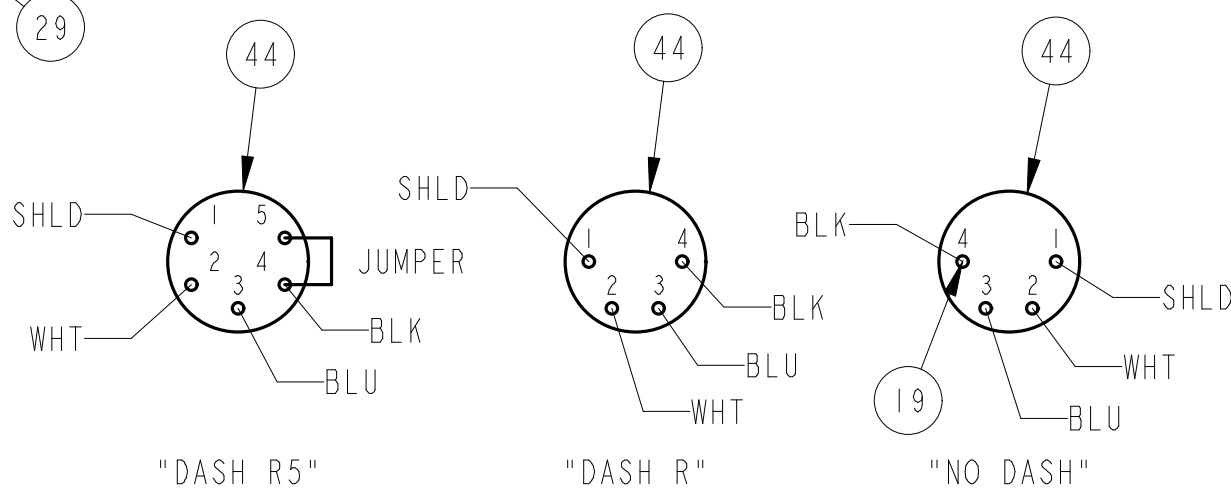
2	WASHER	59	560281	
2	JACK, RJ-11	58	640105	J10, J5
6	SCREW, 6-32 x 3/16 PHMS	57	51845091	
1	LABEL, PART NO.	56	803481	
1	LABEL, SERIAL NO.	55	803480	
2	PAD, PORON, .021 x 11/16 x 1	54	810171	
1	SAMTEC TSW-112-07-L-S	53	640098-19	
1	SAMTEC TSW-105-07-L-S	52	640098-5	
2	FERRITE BEAD	51	723527	
12	#6 INT L/W ZMI	50	567155	
12	SCREW MACHINE, SPH 6-32 x 1/4, S	49	51845092	
12	4-40 x 3/16 FHMS BLK ZINC	48	51847110	
1	COVER FINISHED BTR-800	47	170193	
2	SHIELD 52-CBSA-1.5 x 2.5	46	358903	
2	COAX ASSY, XMIT/COMBINER	45	690461	
1	XLR CONNECTOR	44	SEE TABLE	
1	PCB ASSY COMBINER BTR-800	43	879412	
1	PCB ASSY TRANSMIT BTR-800	42	SEE TABLE	
1	PCB ASSY RECV. BTR-700/800	41	879406-X	SEE TABLE
8	SAMTEC ZML-105-02-G-D	40	640144	
2	SCREW, MACHINE	39	51845039	
2	#4 EXTERNAL LOCKWASHER	38	50049003	
2	SCREW, 4-40 x 1 PHMS PHIL	37	500125	
1	REAR PANEL FINISHED BTR-800	36	378309	
1	LCD GRAPHIC MODULE 122 X	35	879424	
2	WIRE WHITE 10" x 18 GA	34	690418-12	
4	NUT PER MS 35649-224	33	55W014	
4	WASHER, LOCK S-BZ .095 ID .2	32	50014009	
4	2-56 x 3/8 PHMS PHIL ZCI	31	8800134330	
10	NUT KEPS, 4-40	30	51745000	
2	SPACER #6 ID x .250 OD x	29	450378	
1	20 PIN SAMTEC TSW-120-07	28	640098-20	
1	SAMTEC IDSS-12-D-02.00	27	640423-25	
1	SAMTEC IDSS-5-D-02.00	26	640423-26	
1	SAMTEC IDSS-20-D-04.00	25	640423-24	
1	2 PIN SAMTEC TSW-102-15-	24	640098-18	
1	4 PIN SAMTEC TSW-104-15-	23	640098-16	
1	COAX ASSY RECV BTR-700/800	22	690460	
1	COAX ASSY XMIT BTR-700/800	21	690460-1	
14	SCREW, 4 x 3/8 TYP AB PH	20	510739	
1	CABLE ASSY XLR BTR-700/800	19	878793-1	
1	SAMTEC IDSS-14-D-09.50	18	690423-23	
1	SAMTEC IDSS-14-D-05.05	17	690423-22	
1	SAMTEC IDSS-05-D-07.50	16	690423-21	
1	SAMTEC IDSS-05-D-13.50-R	15	690423-20	
1	SAMTEC IDSS-06-D--7.50-R	14	690423-19	
2	SAMTEC IDSS-05-D-12.00	13	690423-17	
1	FAN SHROUD BTR-800	12	150723	
8	SCREW, 4-40 x 3/8 FLAT HEAD	11	51847112	
1	SWITCH SPDT RI966CKKEF	10	700150	
7	STANDOFF M/F 6-32 x 5/8 AL	9	530053	
1	COVER, POWER SUPPLY BTR-800	8	150722	
1	POWER SUPPLY, 24 v 2.1 A	7	730146	
1	FAN, MUFFIN 1.6 x 1.6 x 8 24v	6	740029-1	
1	PCB ASSY, AUDIO BTR-800	5	879602-1	
1	PCB ASSY, FRONT PANEL BTR-800	4	879419-1	
1	LABEL, FRONT PANEL BTR-800	3	803236	
1	BEZEL, FRONT PANEL BTR-800	2	170194	
1	CHASSIS, FINISHED BTR-800	1	879450	
QTY	DESCRIPTION	ITEM	PART NUMBER	SPECIFICATION

UNSPECIFIED LIMITS OF TOLERANCE DECIMAL: FRACTION: X = ±.030 IN MACHINED .XX = ±.010 IN FINISH  .XXX = ±.005 IN ANGLES ± 1°, BENDS ±2° STRAIGHTNESS AND/OR FLATNESS .005 IN./1 IN. CONCENTRICITY UNMARKED ANGLES, BENDS AND INTERSECTIONS 90° THREADS - EXT. CLASS 2A INT. CLASS 2B	DATE	4 APR, 01	 Telex® TELEX COMMUNICATIONS INC. Lincoln, Nebraska U.S.A. TITLE BTR-800 SUB-ASSEMBLY			
	DR BY	T.C.N				
	CHK BY	TCN 6/6/01				
	APPR'D	JRC 6/6/01				
	PROD	DRO 6/7/01				
MAT'L			SIZE		CODE IDENT	DWG. No.
			D	57010	879449	
			SCALE: NONE		SHEET: 1 of 4	



ITEMS MARKED WITH *
ARE NOT STRUCTURED
ON THIS ASSY LEVEL
SHOWN FOR ASSY CLARITY

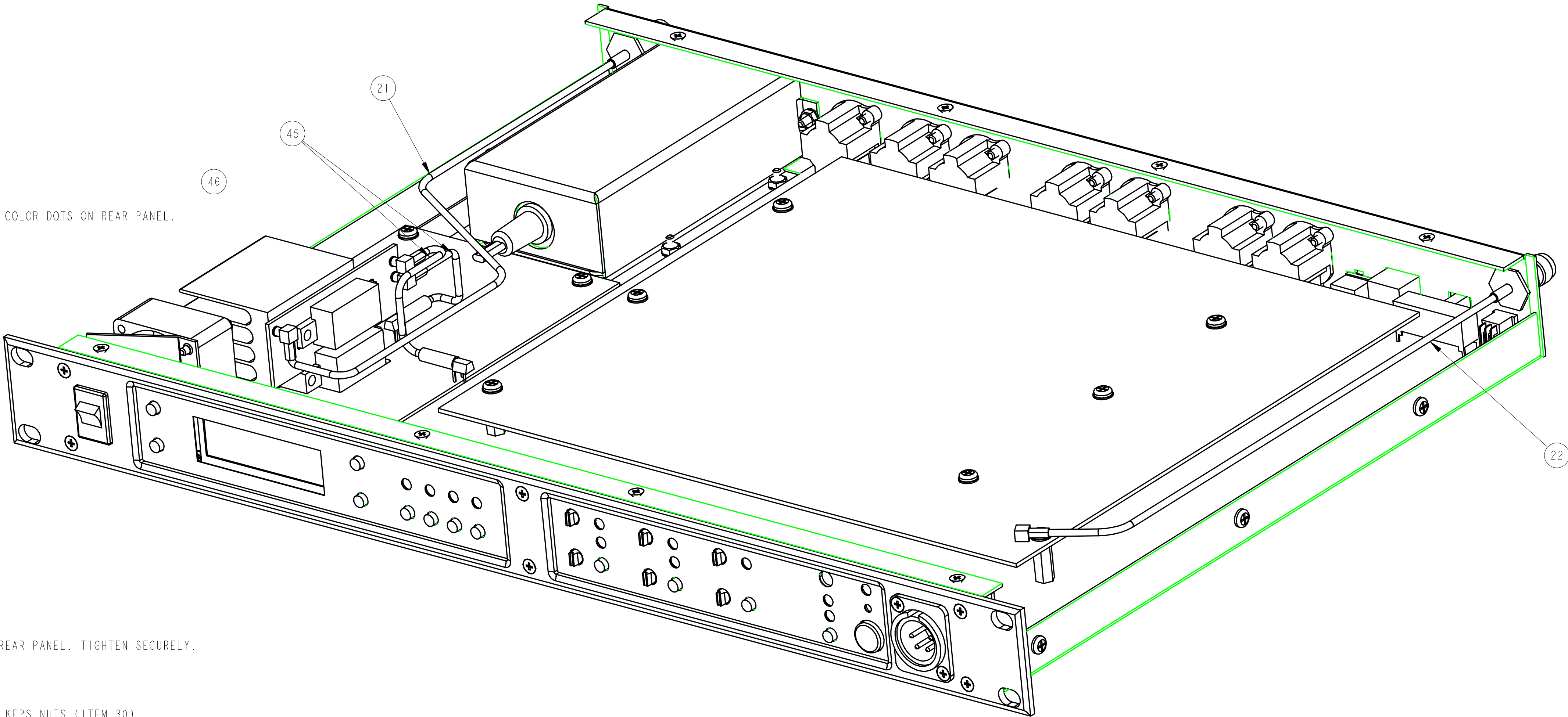
ASSY NO.	RECV PCB ITEM 41	XMIT PCB ITEM 42	XLR ITEM 44	XLR DESC	COMBINER ITEM 43
879449A2	879406-1	879414-1	650311	4 PIN MALE	879412
879449A2R	879406-1	879414-1	8800299634	4 PIN FEMALE	879412
879449A2R5	879406-1	879414-1	50995010	5 PIN FEMALE	879412
879449C6	879406-3	879414-2	650311	4 PIN MALE	879412
879449C6R	879406-3	879414-2	8800299634	4 PIN FEMALE	879412
879449C6R5	879406-3	879414-2	50995010	5 PIN FEMALE	879412
879449B4	879406-4	879414-3	650311	4 PIN MALE	879412
879449B4R	879406-4	879414-3	8800299634	4 PIN FEMALE	879412
879449B4R5	879406-4	879414-3	50995010	5 PIN FEMALE	879705
879449E88	879406-5	879414-4	650311	4 PIN MALE	879705
879449E88R	879406-5	879414-4	8800299634	5 PIN FEMALE	879705
879449E88R5	879406-5	879414-4	50995010	4 PIN FEMALE	879705
879449E99	879406-6	879414-4	650311	4 PIN MALE	879705
879449E99R	879406-6	879414-4	8800299634	4 PIN FEMALE	879705
879449E99R5	879406-6	879414-4	50995010	5 PIN FEMALE	879705



"XLR WIRING DETAIL"

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REVISIONS				
CHG NO	LTR	DESCRIPTION	DATE	APPD



21 PLACE SERIAL NO. LABEL (ITEM 55), PRODUCT NO. LABEL (ITEM 56), AND ANTENNA COLOR DOTS ON REAR PANEL.

20 PLACE COVER (ITEM 47) ON CHASSIS AND SECURE WITH SCREWS (ITEMS 48 AND 57).

19 ATTACH SOAX CABLES TO RECIEVE AND COMBINER PCB'S.

18 SOLDER HEADERS (ITEMS 23 AND 24) TO RECEIVE PCB. ASSEMBLE RECIEVE PCB (ITEM 41) TO MAIN PCB. SECURE WITH SCREWS (ITEM 49) AND LOCKWASHERS (ITEM 50).

17 PLUG A POWER CABLE INTO THE POWER SUPPLY AND TURN THE UNIT ON. CHECK FOR FAN BLOWING THE PROPER DIRECTION AND QUIET OPERATION. BE SURE ALL FRONT PANEL LED'S ARE ALLIGNED PROPERLY AND ON.

16 SOLDER WIRES FROM THE POWER SUPPLY, FAN, SWITCH, AND COMBINER PCB TO THE MAIN PCB.

15 SOLDER WIRES (ITEM 34) TO SWITCH (ITEM 10). SNAP SWITCH INTO FRONT BEZEL WITH EMPTY TAB UP.

14 SOLDER THE CABLE ASSEMBLY (ITEM 19) TO THE XLR CONNECTOR (ITEM 44). INSTALL THE XLR ON THE FRONT BEZEL USING SCREWS (ITEM 11) AND PLUG IN CONNECTOR.

13 ATTACH THE FRONT BEZEL (ITEM 2) TO THE CHASSIS USING SCREWS (ITEM 11).

12 INSTALL THE TWO COAX ASSEMBLIES AND WASHERS (ITEMS 21, 22 AND 59) ON THE REAR PANEL. TIGHTEN SECURELY.

11 ATTACH THE RIBBON CABLES TO THE MAIN PCB.

10 SECURE THE POWER SUPPLY COVER TO THE REAR PANEL USING SCREWS (ITEM 20) AND KEPS NUTS (ITEM 30). TIGHTEN THE KEPS NUTS HOLDING THE COVER TO THE CHASSIS.

9 ASSEMBLE THE REAR PANEL (ITEM 36) TO THE DCHASSIS WITH SCREWS (ITEM 48). SECURE AUDIO CONNECTORS ON THE MAIN PCB TO REAR PANEL USING SCREW (ITEM 20). THIGHTEN THE STANDOFFS ON THE MAIN PCB.

8 ASSEMBLE THE MAIN PCB (ITEM 5) TO THE CHASSIS USING STANDOFFS (ITEM 9). DO NOT TIGHTEN AT THIS TIME.

7 ASSEMBLE RIBBON CABLES (ITEMS 13, 14, 15, 16, 17, 18, 25, 26, AND 27) TO THE DISPLAY AND TRANSMIT PCB'S.

6 CUT CABLE OF POWER SUPPLY (ITEM 7) TO 5" AND STRIP 3/16". PLACE THE POWER SUPPLY INTO COVER (ITEM 8) WITH THE LABEL SIDE DOWN. ASSEMBLE THE COVER AND POWER SUPPLY TO CHASSIS USING KEPS NUTS (ITEM 30). DO NOT TIGHTEN THE NUTS AT THIS TIME.

5 SOLDER SHIELDS (ITEM 46) AND COAX ASSEMBLIES (ITEM 45) TO TRANSMIT PCB. ASSEMBLE TRANSMIT PCB (ITEM 42) AND COMBINER PCB (ITEM 43) TO EACH OTHER AND CHASSIS USING SCREWS (ITEM 49) AND LOCKWASHERS (ITEM 50). PLUG COAX ASSEMBLIES INTO COMBINER PCB.

4 ASSEMBLE FAN TO SHASSIS USING KEPS NUTS (ITEM 30). SLIDE 2 FERRITE BEADS (ITEM 51) OVER WIRES AND TWIST TO SECURE.

3 CUT LEADS OF FAN (ITEM 6) TO 8" AND STRIP 1/8". ASSEMBLE FAN TO SHROUD (ITEM 12) USING SCREWS (ITEM 37) AND LOCK WASHERS (ITEM 38). PLACE PADS (ITEM 54) ON TOP AND BOTTOM OF FAN.

2 INSTALL DISPLAY PCB (ITEM 4) WITH SPACERS (ITEM 29) AND KEP NUTS (ITEM 30).

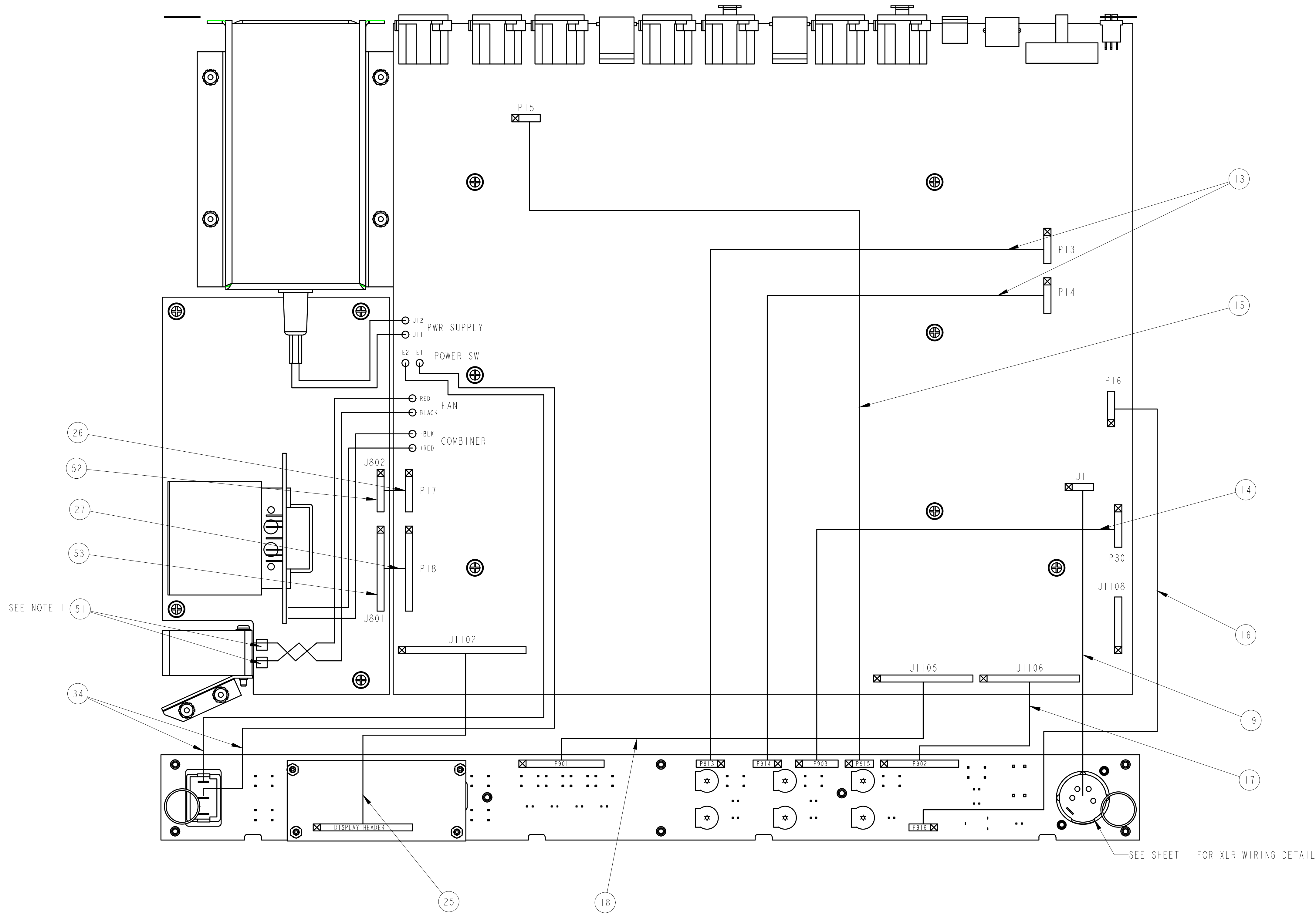
1 ADHERE LABEL (ITEM 3) TO FRONT OF CHASSIS USING FIXTURE.

NOTES:

QTY		DESCRIPTION		ITEM	PART NUMBER	SPECIFICATION	
		UNSPECIFIED LIMITS OF TOLERANCE		DATE	8 MAY 01		
		DECIMAL: FRACTION:		DR BY	T.C.N.		
		.X = ±.030 IN		CHK BY	TCN 8/6/01		
		.XX = ±.010 IN		APPR'D	JRC 8/6/01		
		.XXX = ±.005 IN		PROD	DRO 8/7/01		
		ANGLES ± 1°, BENDS ±2°		TITLE BTR-800 SUB-ASSEMBLY			
		STRAIGHTNESS AND/OR FLATNESS .005 IN./1 IN.					
		CONCENTRICITY					
		UNMARKED ANGLES, BENDS AND INTERSECTIONS 90°					
		THREADS - EXT. CLASS 2A INT. CLASS 2B					
		MACHINED FINISH 64 ✓		Telex® TELEX COMMUNICATIONS INC. Lincoln, Nebraska U.S.A.			
		BTR-800		SIZE CODE IDENT DWG. No.			
NEXT ASSY	USED ON			D 57010 879449			
APPLICATIONS				SCALE: NONE SHEET: 2 of 4			

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CHG NO		LTR	REVISIONS		DATE	APPD
			DESCRIPTION			



2 X END OF HEADER STRIP INDICATES DOUBLE BAR END ON PCB SILKSCREEN.
INDICATES POSITION FOR BROWN WIRE ON RIBBON CABLES AND SHIELD END OF XLR CABLE ASSY (ITEM 19).

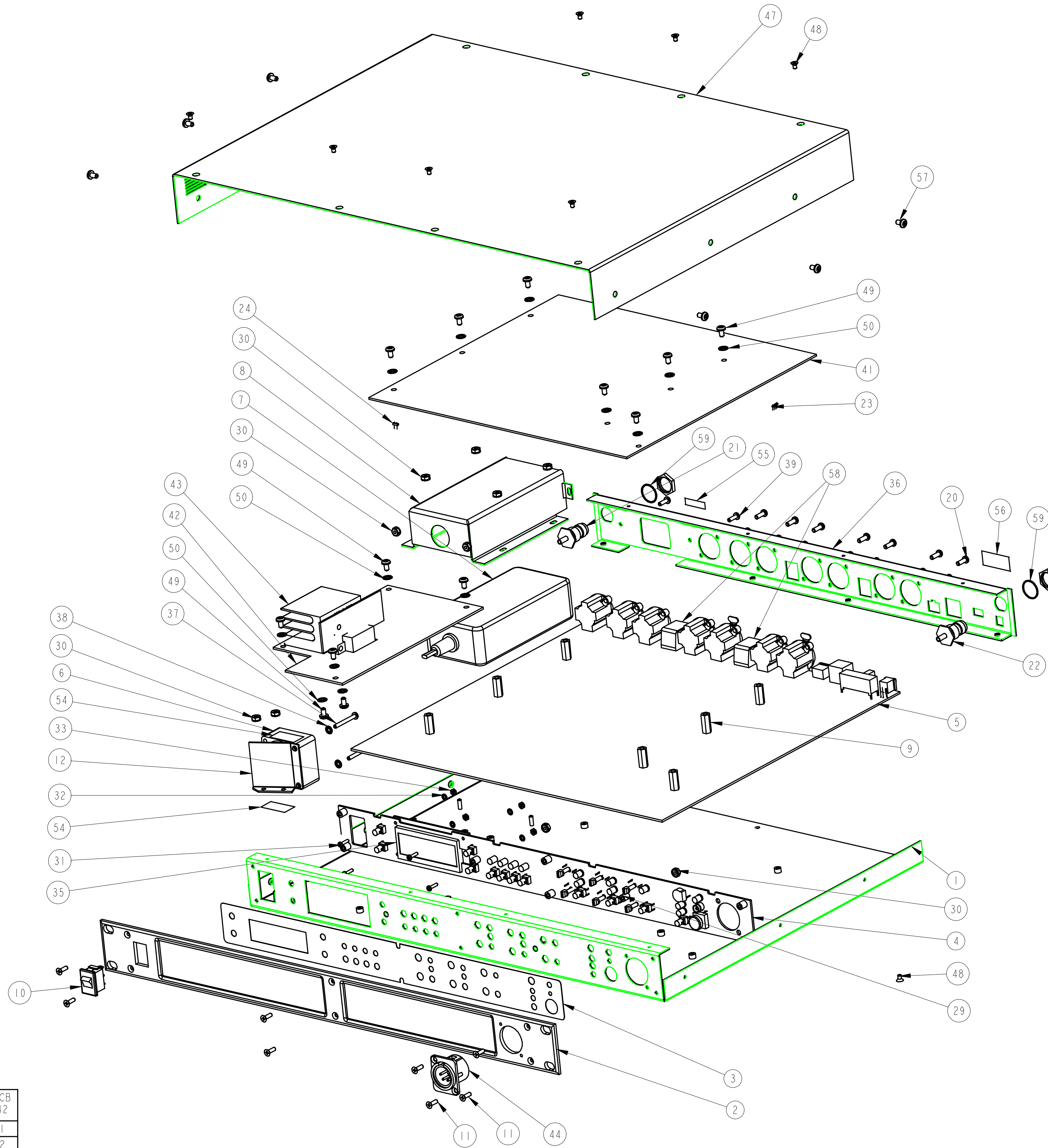
1 INSTALL FERRITE BEADS (ITEM 51) ON LEADS OF FAN (ITEM 6) AND TWIST WIRES TO
RETAIN POSITION. WIRES TO BE AT BASE OF FAN.

NOTES:

QTY		DESCRIPTION		ITEM	PART NUMBER		SPECIFICATION	
		UNSPECIFIED LIMITS OF TOLERANCE		DATE	9 MAY, 01		Telex® TELEX COMMUNICATIONS INC. Lincoln, Nebraska U.S.A.	
		DECIMAL: FRACTION:		DR BY	T.C.N.			
		.X = ±.030 IN MACHINED		CHK BY	TCN 8/6/01			
		.XX = ±.010 IN FINISHED 64		APPR'D	JRC 8/6/01			
		.XXX = ±.005 IN		PROD	DRO 8/7/01			
		ANGLES ± 1°, BENDS ±2°		MAT'L	TITLE BTR-800 SUB-ASSEMBLY			
		STRAIGHTNESS AND/OR						
		FLATNESS .005 IN./1 IN.						
		CONCENTRICITY						
		UNMARKED ANGLES, BENDS						
		AND INTERSECTIONS 90°						
		THREADS - EXT. CLASS 2A						
		INT. CLASS 2B						

2	WASHER	59	560281	
2	JACK, RJ-11	58	2862013	J10, J5
6	SCREW, 6-32 x 3/16 PHMS	57	51845091	
1	LABEL, PART NO.	56	803545	
1	LABEL, SERIAL NO.	55	803544	
2	PAD, PORON, .021 x 11/16 x 1	54	810171	
1	SAMTEC TSW-112-07-L-S	53	640098-19	
1	SAMTEC TSW-105-07-L-S	52	640098-5	
2	FERRITE BEAD	51	723527	
12	#6 INT L/W ZMI	50	567155	
12	SCREW MACHINE, SPH 6-32 x 1/4, S	49	51845092	
12	4-40 x 3/16 FHMS BLK ZINC	48	51847110	
1	COVER FINISHED WSB-680	47	170230	
2	SHIELD 52-CBSA-1.5 x 2.5	46	358903	
2	COAX ASSY, XMIT/COMBINER	45	690461	
1	XLR CONNECTOR	44	650311	
1	PCB ASSY COMBINER BTR-800	43	879412	
1	PCB ASSY TRANSMIT BTR-800	42	879414-X	SEE TABLE
1	PCB ASSY RECV. BTR-700/800	41	879406-X	SEE TABLE
8	SAMTEC ZML-105-02-G-D	40	640144	
2	SCREW, MACHINE	39	51845039	
2	#4 EXTERNAL LOCKWASHER	38	50049003	
2	SCREW, 4-40 x 1 PHMS PHIL	37	500125	
1	REAR PANEL FINISHED WSB-680	36	378336	
1	LCD GRAPHIC MODULE 122 X	35	879424	
2	WIRE WHITE 10" x 18 GA	34	690418-12	
4	NUT PER MS 35649-224	33	55W014	
4	WASHER, LOCK S-BZ .095 ID .2	32	50014009	
4	2-56 x 3/8 PHMS PHIL ZCI	31	8800134330	
10	NUT KEPS, 4-40	30	51745000	
2	SPACER #6 ID x .250 OD x	29	450378	
1	20 PIN SAMTEC TSW-120-07	28	640098-20	
1	SAMTEC IDSS-12-D-02.00	27	640423-25	
1	SAMTEC IDSS-5-D-02.00	26	640423-26	
1	SAMTEC IDSS-20-D-04.00	25	640423-24	
1	2 PIN SAMTEC TSW-102-15-	24	640098-18	
1	4 PIN SAMTEC TSW-104-15-	23	640098-16	
1	COAX ASSY RECV BTR-700/800	22	690460	
1	COAX ASSY XMIT BTR-700/800	21	690460-1	
14	SCREW, 4 x 3/8 TYP AB PH	20	510739	
1	CABLE ASSY XLR BTR-700/800	19	878793-1	
1	SAMTEC IDSS-14-D-09.50	18	690423-23	
1	SAMTEC IDSS-14-D-05.05	17	690423-22	
1	SAMTEC IDSS-05-D-07.50	16	690423-21	
1	SAMTEC IDSS-05-D-13.50-R	15	690423-20	
1	SAMTEC IDSS-06-D--7.50-R	14	690423-19	
2	SAMTEC IDSS-05-D-12.00	13	690423-17	
1	FAN SHROUD BTR-800	12	150723	
8	SCREW, 4-40 x 3/8 FLAT HEAD	11	51847112	
1	SWITCH SPDT R1966CKKEF	10	700150	
7	STANDOFF M/F 6-32 x 5/8 AL	9	530053	
1	COVER, POWER SUPPLY BTR-800	8	150722	
1	POWER SUPPLY, 24 v 2.1 A	7	730146	
1	FAN, MUFFIN 1.6 x 1.6 x 8 24v	6	740029-1	
1	PCB ASSY, AUDIO BTR-800	5	879602-1	
1	PCB ASSY, FRONT PANEL BTR-800	4	879419-1	
1	LABEL, FRONT PANEL WBS-680	3	803532	
1	BEZEL, FRONT PANEL BTR-800	2	170194	
1	CHASSIS, FINISHED BTR-800	1	879450	
QTY	DESCRIPTION	ITEM	PART NUMBER	SPECIFICATION

UNSPECIFIED LIMITS OF TOLERANCE	DATE	8/5/02		Telex® TELEX COMMUNICATIONS INC. Lincoln, Nebraska U.S.A.
DECIMAL: FRACTION:	DR BY	T.C.N		
.X = ±.030 IN	CHK BY	TCN 6/6/01		
.XX = ±.010 IN	APPR'D	JRC 6/6/01		
.XXX = ±.005 IN	PROD	DRO 6/7/01		
ANGLES ± 1°, BENDS ±2°	TITLE			WBS-680
STRAIGHTNESS AND/OR				SUB-ASSEMBLY
FLATNESS .005 IN./1 IN.				
CONCENTRICITY				
UNMARKED ANGLES, BENDS AND INTERSECTIONS 90°				
THREADS - EXT. CLASS 2A INT. CLASS 2B	MAT'L	SIZE	CODE IDENT	DWG. No.
		D	57010	879449XXC
		SCALE: NONE		SHEET: 4 of 4



ITEMS MARKED WITH *
ARE NOT STRUCTURED
ON THIS ASSY LEVEL
SHOWN FOR ASSY CLARITY