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DEVICE CONTROL UNIT PACK DCU-2000-C (MKS-2700)

DCU Maintenance



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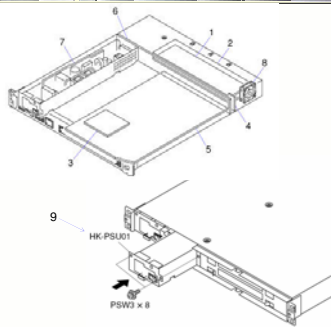
■ MKS-2700 DEVICE CONTROL UNIT

- IF-963 : SYSTEM CONTROL BOARD
- MB-1050 : MOTHER BOARD
- CN-2586 : CONNECTOR BOARD (REF VIDEO IN, PERIPHERAL LAN, TALLY/GPI INPUT/OUTPUT)
- CN-2587 : CONNECTOR BOARD (REFERENCE VIDEO INPUT, SERIAL INTERFACE)
- HN-297: FAN ASSEMBLY BOARD

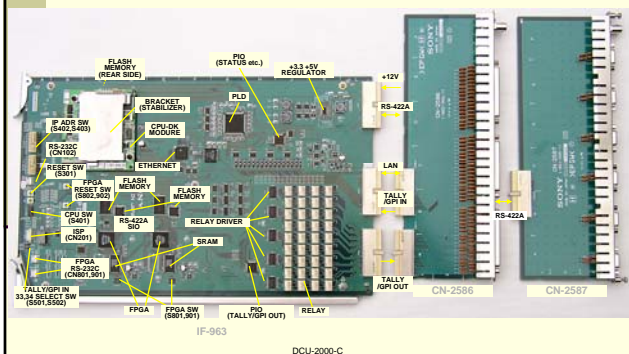
DCU-2000-C

DEVICE CONTROL UNIT PACK DCU-2000-C (MKS-2700)

ID	Board/Part Name
1	CN-2586 Board
2	CN-2587 Board
3	CPU-DK Module
4	HN-297 Board
5	IF-963 Board
6	MB-1050 Board
7	Power Supply Unit
8	Fan Assembly
9.	HK-PSU01 (Optional)



SYSTEM CONTROL BOARD: IF-963 CONNECTOR BOARDS:CN-2586/CN-2587 (MKS-2700)



MKS-2700 MAINTENANCE

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IF-963 Software Recovery (If software is damaged)

1. Remove the two screws and take off the bracket
2. Replace the CPU-DK Module with the tool Module (+ V3.20 Flash ROM IC)
3. Connect the Terminal Cable and install the V3.20 software
4. Replace the tool Module with the CPU-DK Module
5. Fix the bracket with using the two screws

IP ADR SW (S402, 403)
S402-1 : OPEN, S402-2~8 : CLOSE
S403-1 : OPEN, S403-2~8 : CLOSE

RS-232C (CN102) → PC (SERIAL)

MKS-2700 MAINTENANCE

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IF-963 PLD, Config ROM Source Update (IC311,802,902)

JTAG Chain Diagram

Project File No. E-000-001-50-xx

RESET SW (S301) CPU SW (S401) ISP (CN201) PLD Download Tool

S401-1~8 : OFF

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IF-963 PLD, Config ROM Source Update (IC311,802,902) SW Setting (S801,S901)

Set S801-3 and S901-3 to OFF before Update

FPGA SW (S801) FPGA SW (S901)

Set S801-3 and S901-3 to ON after Update

Factory setting S801-1,2,4 : OFF, S801-3 : ON
S901-1,2,4 : OFF, S901-3 : ON

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TALLY/GPI IN SW Setting (S501,S502)

- ON (IN 33N, IN 34N) : Normal (TTL) Mode
- OFF (IN 33V, IN 34V) : +12V Mode

Factory setting S501,S502 : ON (IN 33N, IN 34N)

TALLY/GPI IN SW (S501,S502)

TALLY/GPI IN 33
TALLY/GPI IN 34

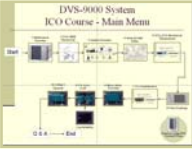
OFF (IN 33V, IN 34V)
+12V Mode

ON (IN 33N, IN 34N)
Normal (TTL) Mode

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Questions?

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