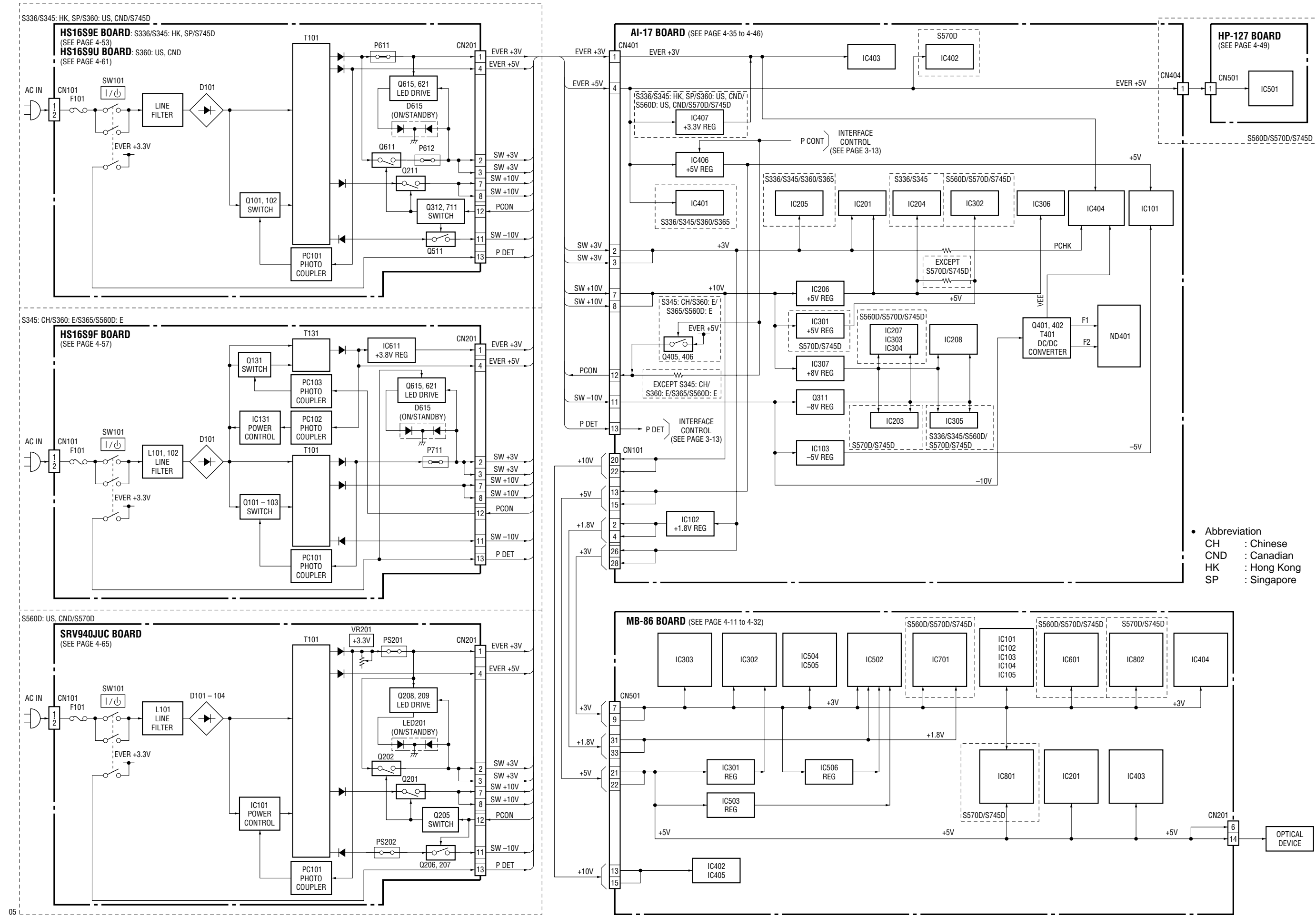






3-8. POWER BLOCK DIAGRAM



SECTION 4  
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING  
BOARDS AND SCHEMATIC DIAGRAMS.  
(In addition to this, the necessary note is printed  
in each block.)








For printed wiring boards:




-  : indicates a lead wire mounted on the component side.
-  : indicates a lead wire mounted on the printed side.
-  : Through hole.
-  : Pattern from the side which enables seeing.  
(The other layers' patterns are not indicated.)

Caution:	
Pattern face side:	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side:	Parts on the parts face side seen from the parts face are indicated.

- Abbreviation
  - CH : Chinese
  - CND : Canadian
  - HK : Hong Kong
  - KR : Korea
  - SP : Singapore

For schematic Diagram:

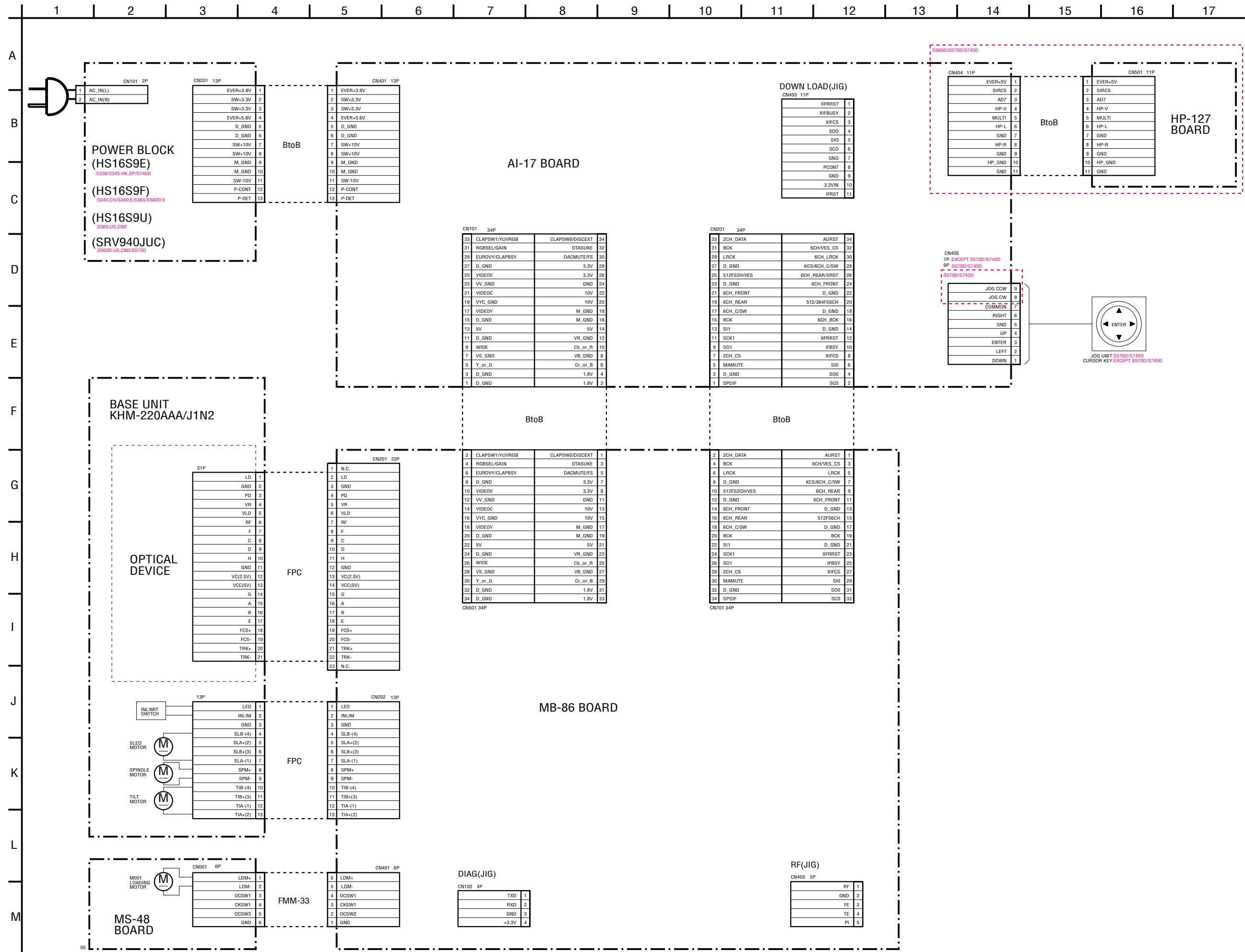
- Caution when replacing chip parts.  
New parts must be attached after removal of chip.  
Be careful not to heat the minus side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms,  $\frac{1}{4}$  W (Chip resistors :  $\frac{1}{10}$  W) unless otherwise specified.  
k $\Omega$  : 1000 $\Omega$ , M $\Omega$  : 1000k $\Omega$ .
- All capacitors are in  $\mu$ F unless otherwise noted. pF :  $\mu$  $\mu$ F  
50V or less are not indicated except for electrolytics and tantalums.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
-  : nonflammable resistor.
-  : fusible resistor.
-  : panel designation.
-  : internal component.
-  : adjustment for repair.
-  : B+ Line.
-  : B- Line.
- Circled numbers refer to waveforms.
- Voltages are dc between measurement point.
- Readings are taken with a color-bar signals on DVD reference disc and when playing CD reference disc.
- Readings are taken with a digital multimeter (DC 10M $\Omega$ ).
- Voltage variations may be noted due to normal production tolerances.

<b>Note:</b> The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.	<b>Note:</b> Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.
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When indicating parts by reference number, please include the board name.

- Abbreviation
  - CH : Chinese
  - CND : Canadian
  - HK : Hong Kong
  - KR : Korea
  - SP : Singapore

4-1. FRAME SCHEMATIC DIAGRAM

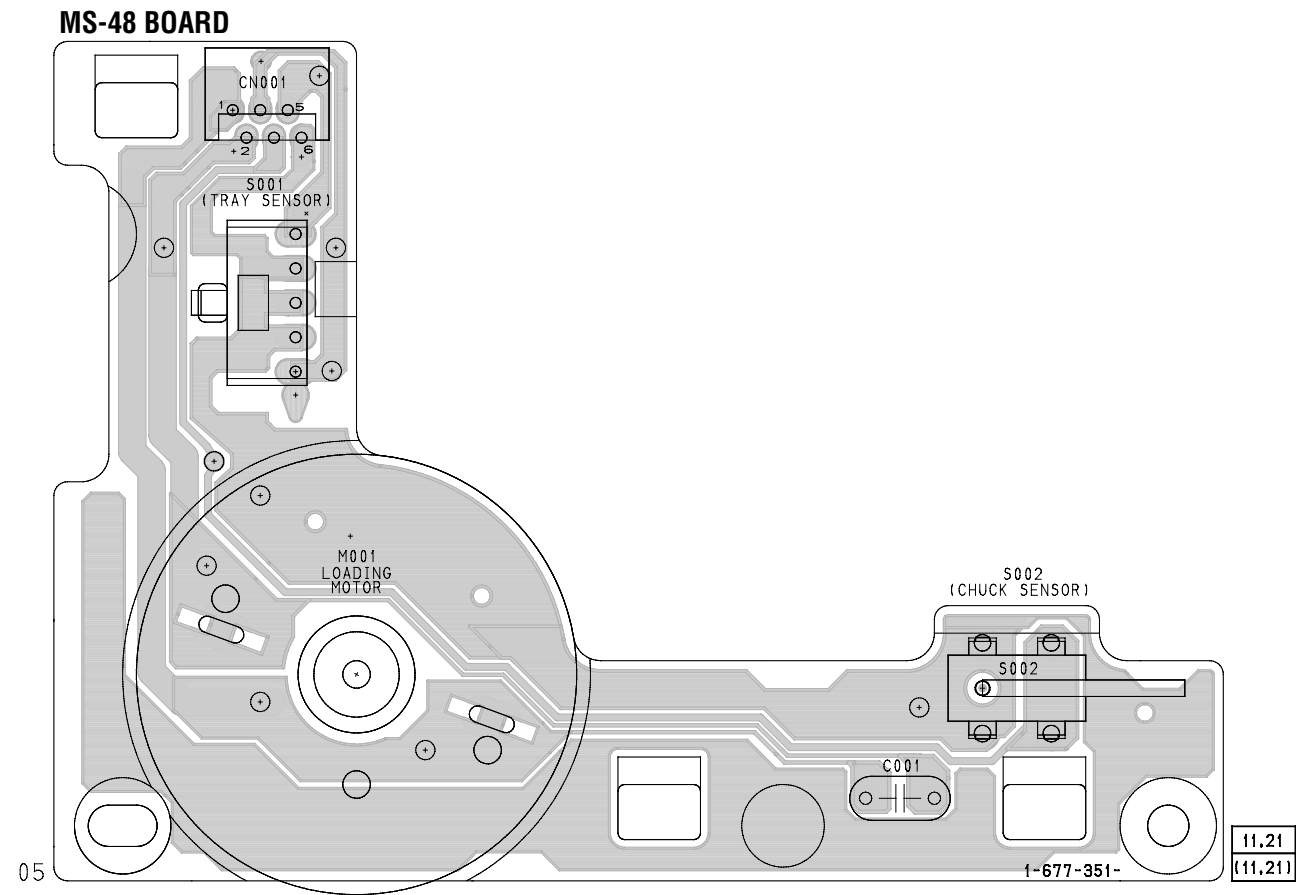


4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

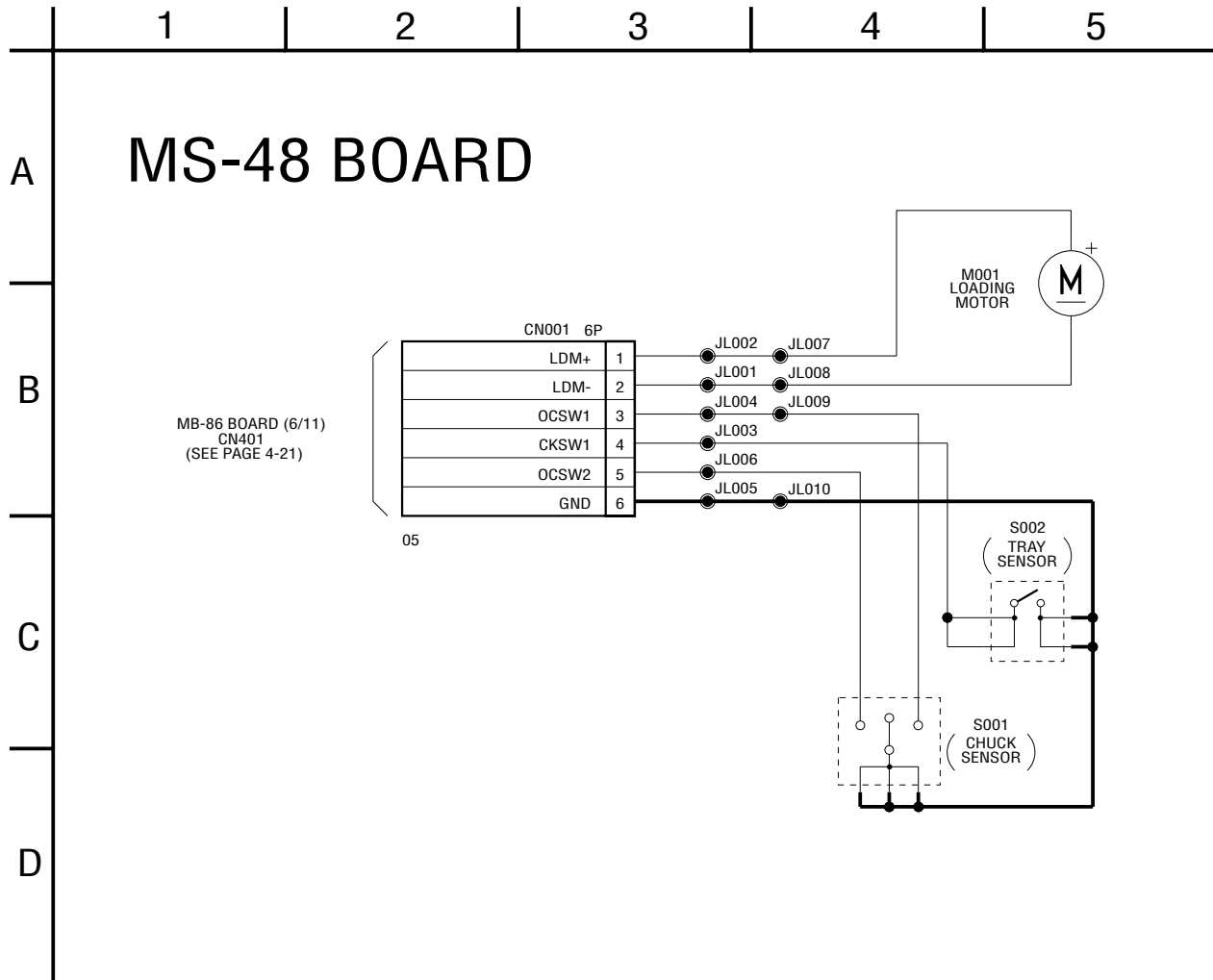
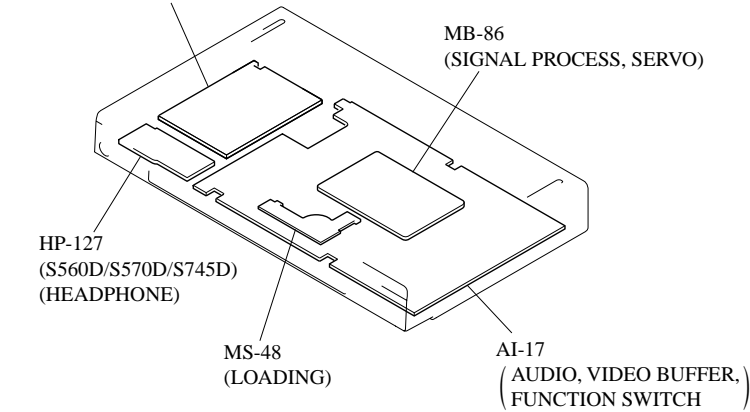
MS-48 (LOADING) PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM

– Ref. No.: MS-48 board; 2,000 series –

There are few cases that the part isn't mounted in this model is printed on this diagram.



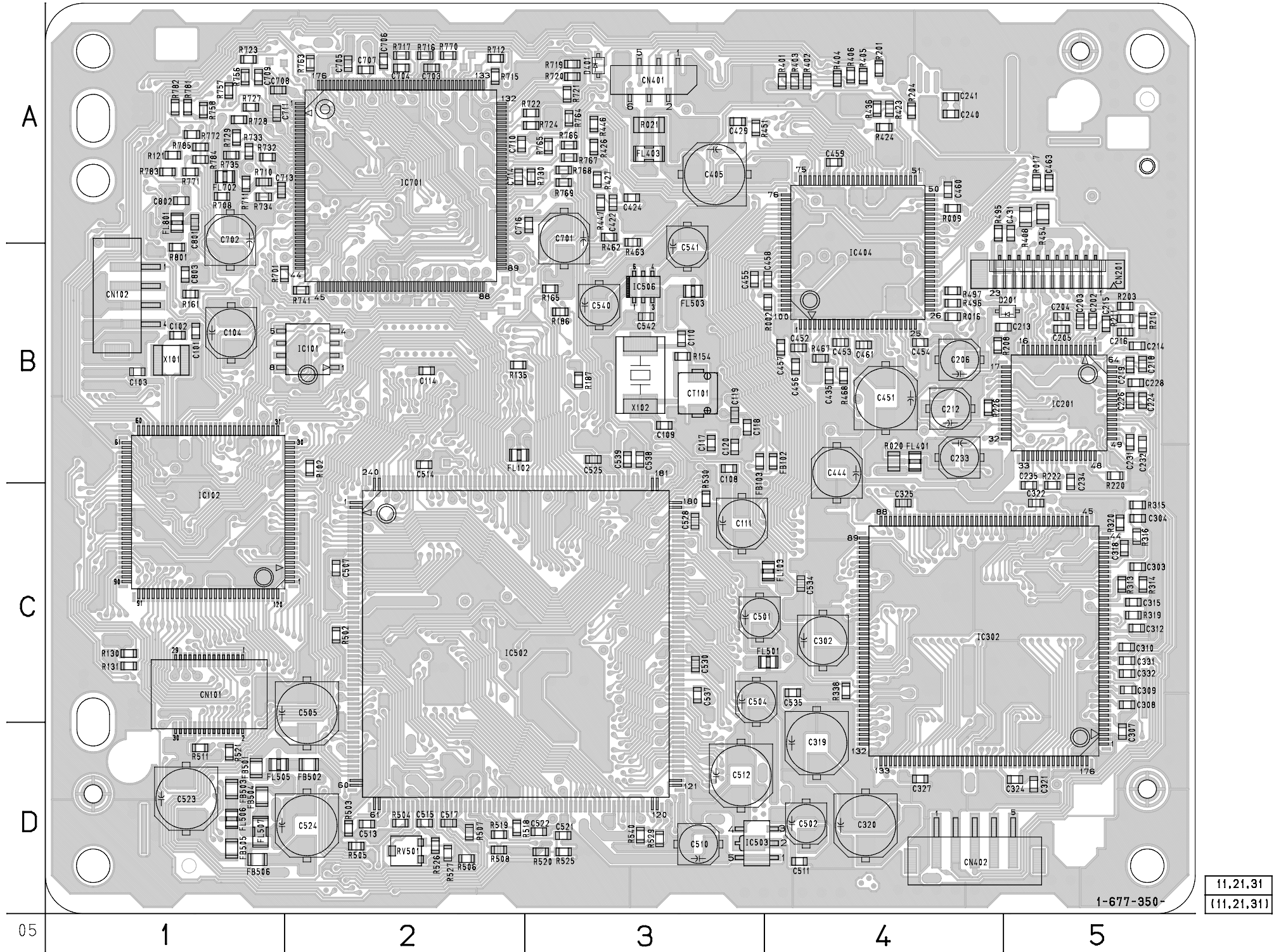
Power Block  
(HS16S9E (S336/S345: HK, SP/S745D)  
HS16S9F (S345: CH/S360: E/S365/S560D: E)  
HS16S9U (S360: US, CND)  
SRV940JUC (S560D: US, CND/S570D)  
(SWITCHING REGULATOR)



– Ref. No.: MB-86 board; 1,000 series –

MB-86 BOARD (SIDE A)

CN102	B-1
CN201	B-5
CN401	A-3
CN402	D-4
D201	B-5
IC101	B-2
IC102	C-1
IC201	B-5
IC302	C-4
IC404	B-4
IC502	C-2
IC503	D-3
IC506	B-3
IC701	A-2



Power Block  
 ( HS16S9E (S336/S345: HK, SP/S745D)  
 HS16S9F (S345: CH/S360: E/S365/S560D: E)  
 HS16S9U (S360: US, CND)  
 SRV940JUC (S560D: US, CND/S570D)  
 (SWITCHING REGULATOR) )

