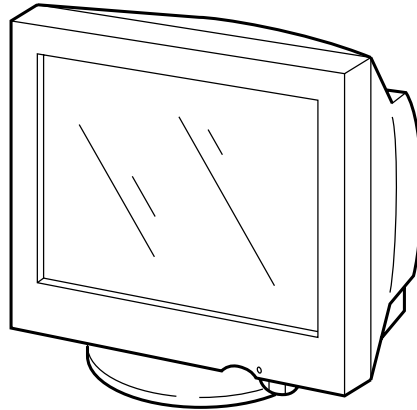


# CPD-G200 (Single input)

## SERVICE MANUAL

*US Model*  
*Canadian Model*  
Chassis No. SCC-L29B-A



## D99 CHASSIS

### SPECIFICATIONS

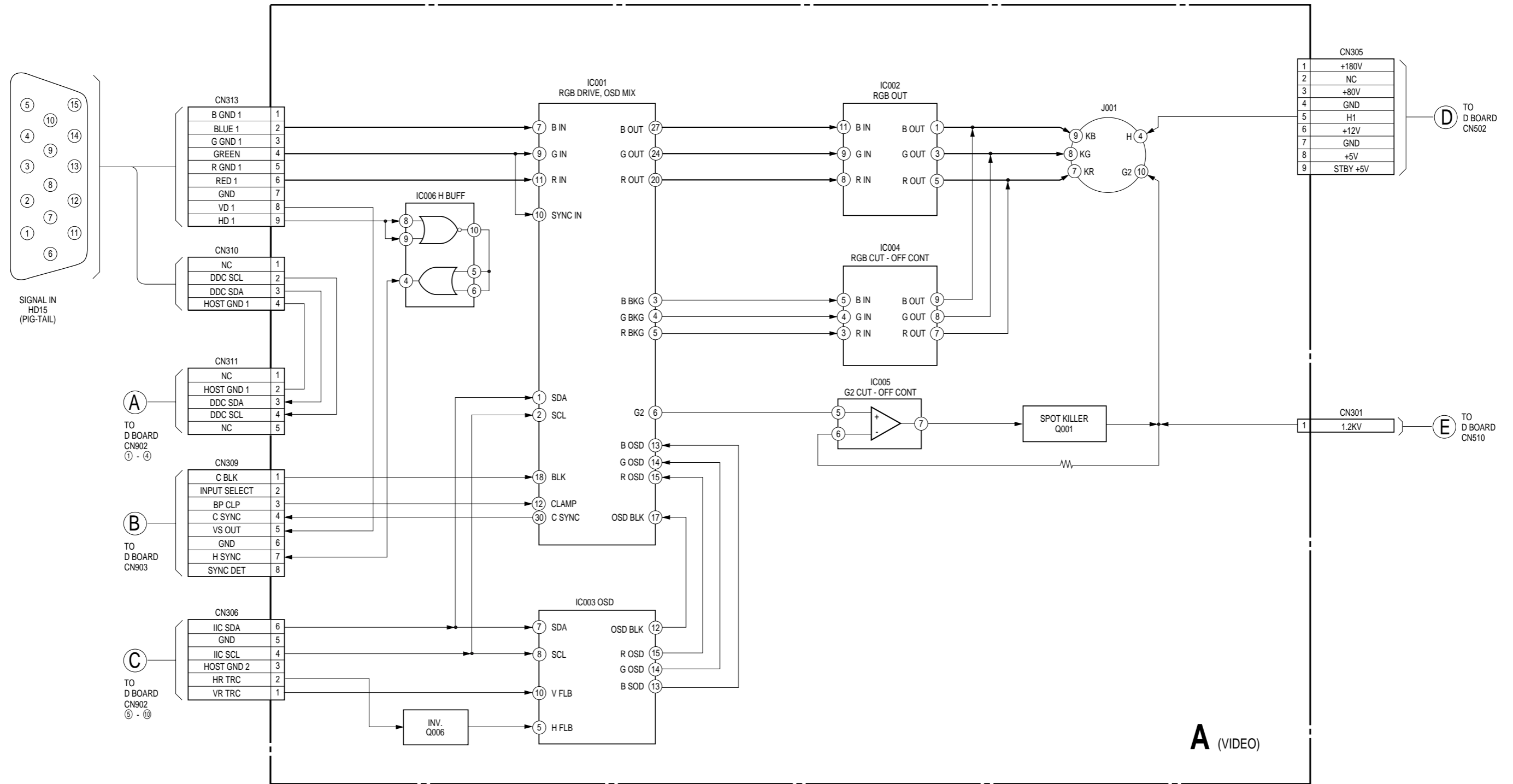
CRT	0.24 mm aperture grille pitch (center) 17 inches measured diagonally 90-degree deflection FD Trinitron	Mass	Approx. 20 kg (44 lb 1 oz)
Viewable image size	Approx. 327 × 243 mm (w/h) (12 <sup>7</sup> / <sub>8</sub> × 9 <sup>5</sup> / <sub>8</sub> inches) 16.0" viewing image	Plug and Play	DDC1/DDC2B/DDC2Bi/GTF
Resolution		Supplied accessories	Power cord (1) Macintosh adapter (1) Windows Monitor Information Disk (1) Warranty card (1) Notes on cleaning the screen's surface (1) This instruction manual (1)
Maximum	Horizontal: 1600 dots Vertical: 1200 lines		
Recommended	Horizontal: 1024 dots Vertical: 768 lines	* Recommended horizontal and vertical timing condition	
Standard image area	Approx. 312 × 234 mm (w/h) (12 <sup>3</sup> / <sub>8</sub> × 9 <sup>1</sup> / <sub>4</sub> inches)	• Horizontal sync width should be more than 1.0 μsec.	
Deflection frequency*	Horizontal: 30 to 96 kHz Vertical: 48 to 120 Hz	• Horizontal blanking width should be more than 3.0 μsec.	
AC input voltage/current	100 to 240 V, 50/60 Hz, Max. 1.7 A	• Vertical blanking width should be more than 500 μsec.	
Power consumption	130 W		
Dimensions	Approx. 404 × 413.5 × 419.5 mm (w/h/d) (16 × 16 <sup>3</sup> / <sub>8</sub> × 16 <sup>5</sup> / <sub>8</sub> inches)	Design and specifications are subject to change without notice.	



TRINITRON® COLOR COMPUTER DISPLAY  
**SONY®**

# SECTION 5 DIAGRAMS

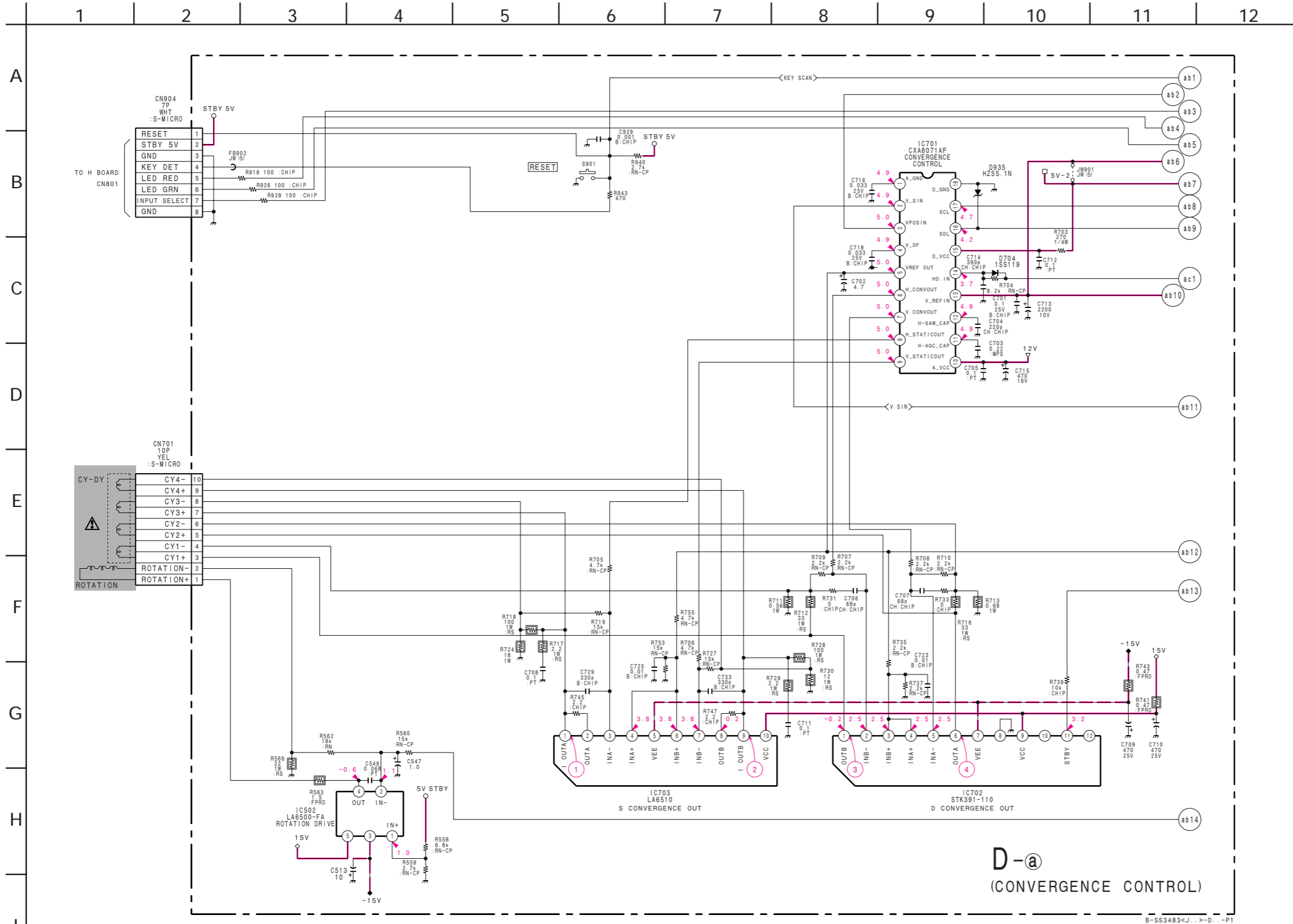
## 5-1. BLOCK DIAGRAMS



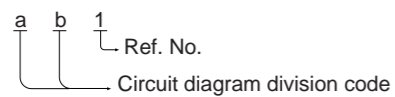
B-SS3483<J...>-BD1-24



(1) Schematic Diagram of D (a-d) Boards



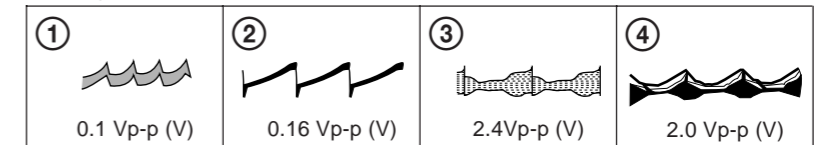
• Divided circuit diagram  
One sheet of D board circuit diagram is divided into four sheets, each having the code D-ⓐ to D-ⓓ. For example, the destination (ab1) on the D-ⓐ sheet is connected to (ab1) on the D-ⓑ sheet.

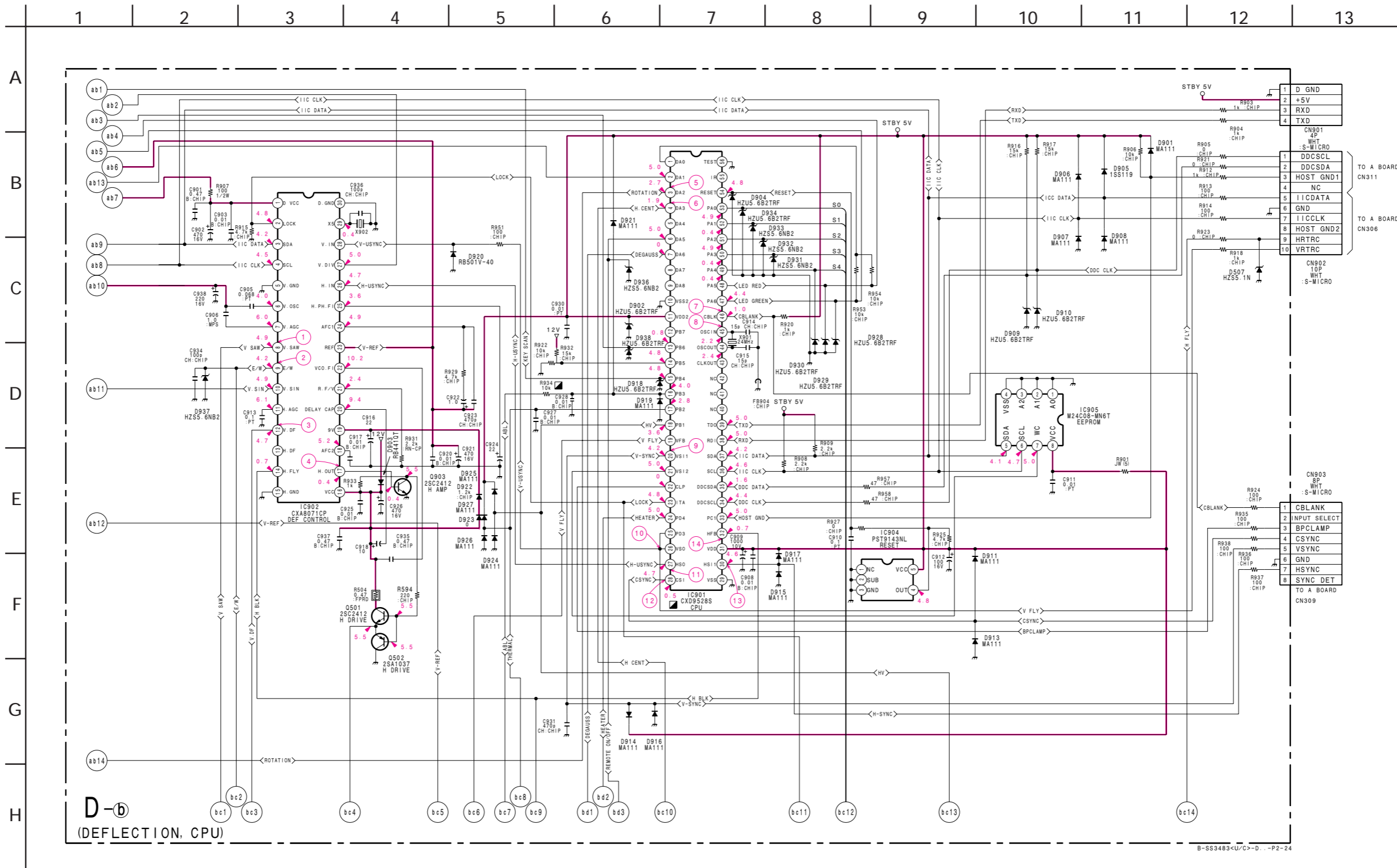


Schematic diagram

D-ⓐ board →

• D-ⓐ BOARD WAVEFORMS

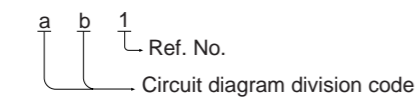




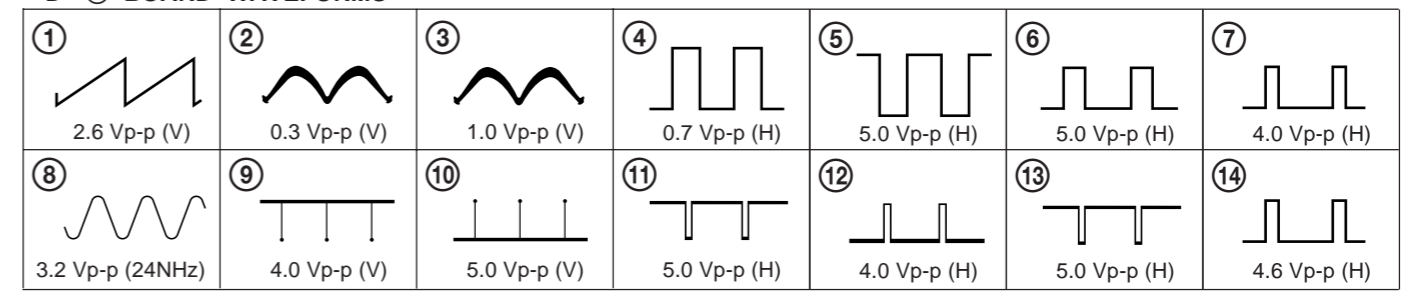
**D-b**  
(DEFLECTION, CPU)

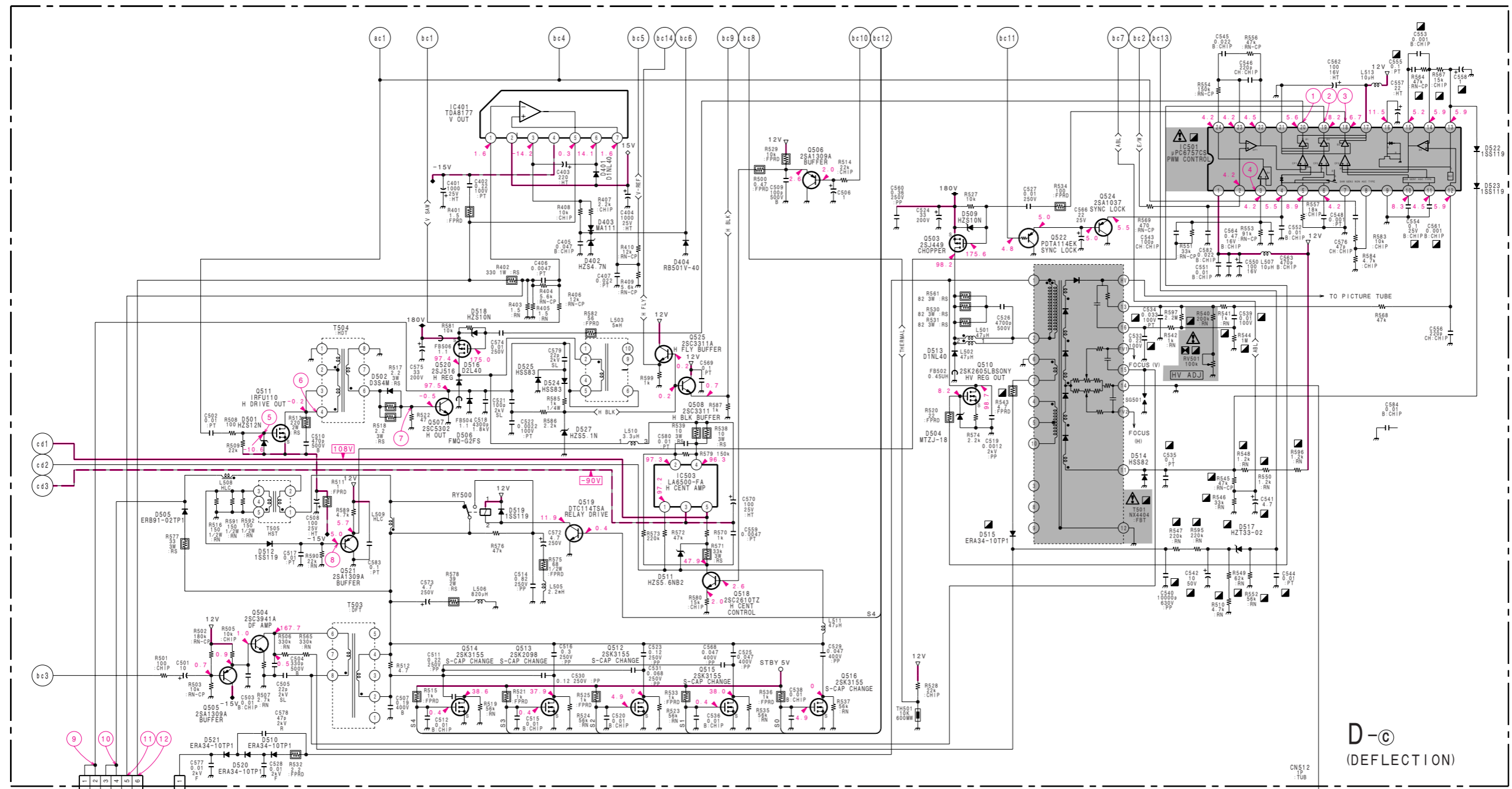
B-553483<U/C>-D...-P2-24

• Divided circuit diagram  
One sheet of D board circuit diagram is divided into four sheets, each having the code D-Ⓐ to D-Ⓓ. For example, the destination (ab1) on the D-Ⓐ sheet is connected to (ab1) on the D-Ⓓ sheet.



• D - Ⓑ BOARD WAVEFORMS

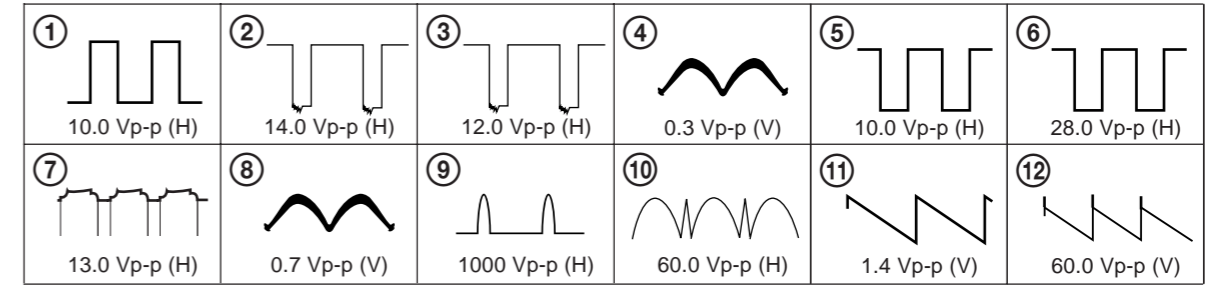


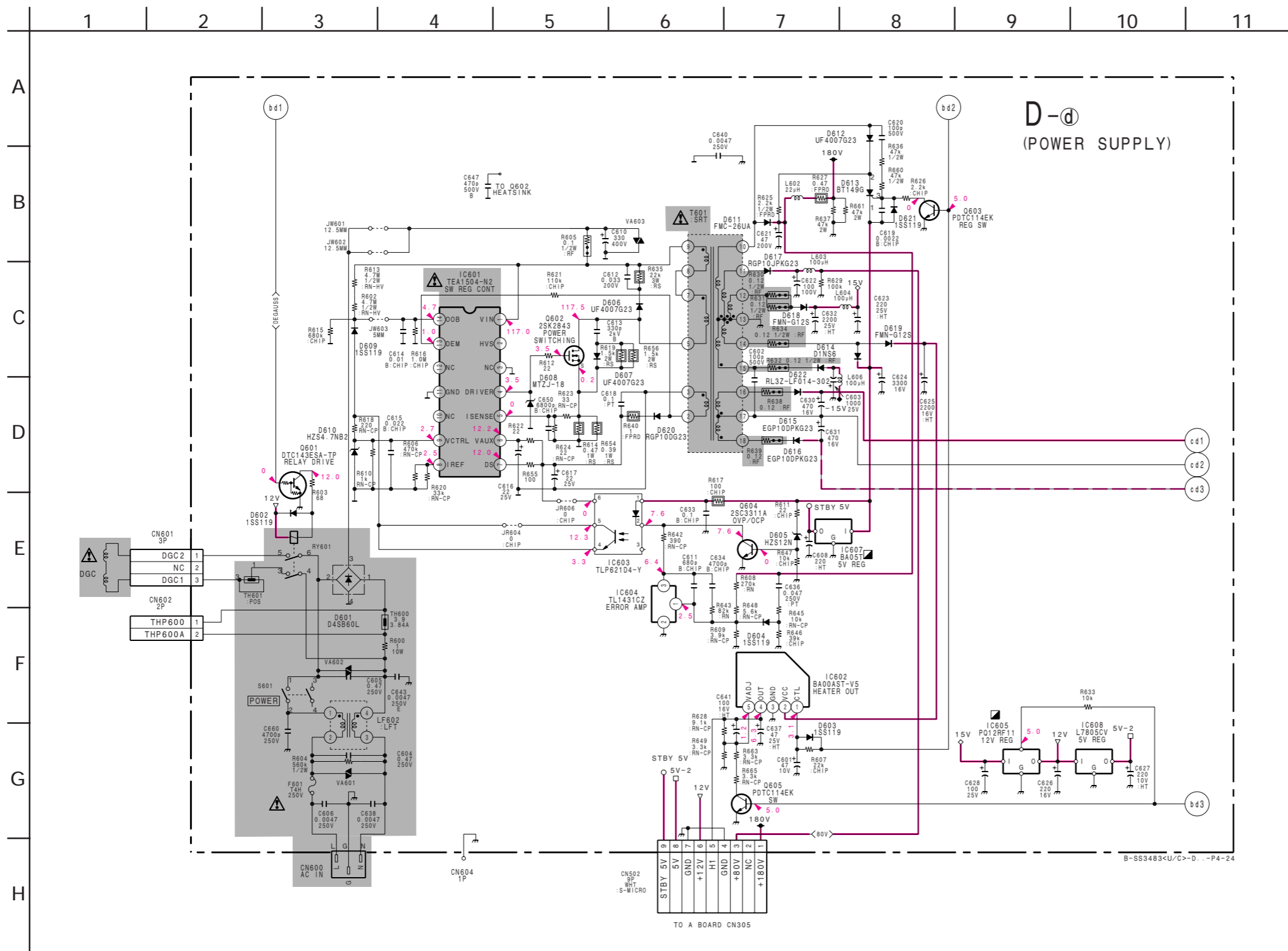


• Divided circuit diagram  
 One sheet of D board circuit diagram is divided into four sheets, each having the code D-ⓐ to D-ⓓ. For example, the destination (ab1) on the D-ⓐ sheet is connected to (ab1) on the D-ⓑ sheet.

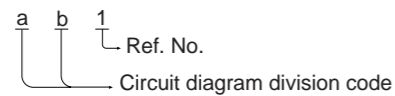
a b 1 Ref. No.  
 Circuit diagram division code

• D - ⓐ BOARD WAVEFORMS





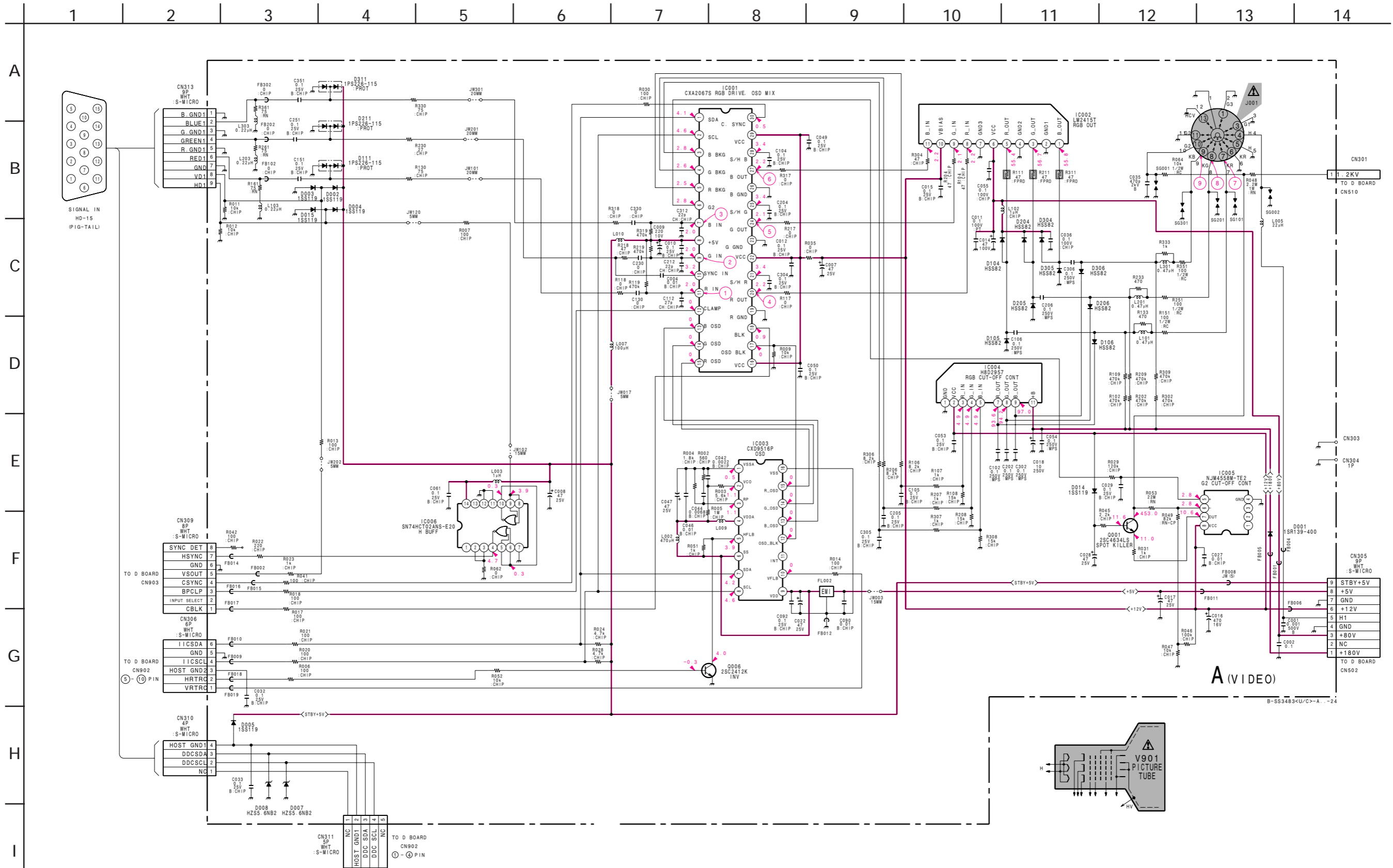
- Divided circuit diagram  
One sheet of D board circuit diagram is divided into four sheets, each having the code D-ⓐ to D-ⓓ. For example, the destination (ab1) on the D-ⓐ sheet is connected to (ab1) on the D-ⓓ sheet.



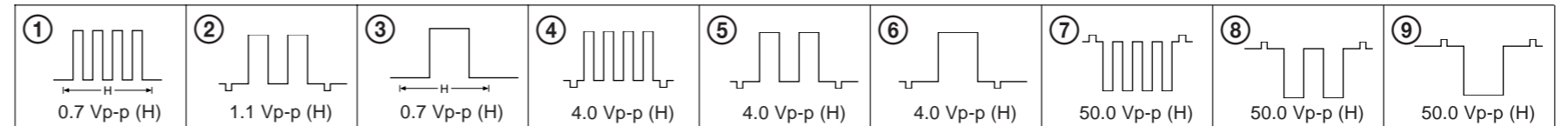




(3) Schematic Diagram of A Board

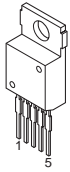


• A BOARD WAVEFORMS

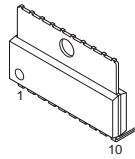


## 5-4. SEMICONDUCTORS

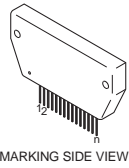
**BA00AST  
LA6500FA**



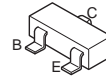
**LA6510**



**STK391-110**



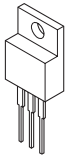
**DTC114TSA  
PETA114EK-115  
PDTC114EK-115  
2SA1037AK-T146-QR  
2SA1037AK-T146-R  
2SC1623-L5L6  
2SC2412K-T-146-QR**



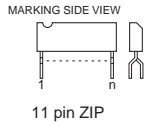
**2SC5302-SONY-CC**



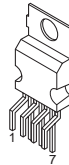
**BA05T  
L7805CV  
TA7805S**



**LM2415T**



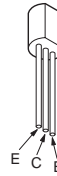
**TDA8177**



**DTC143ESA**



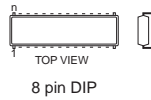
**2SC2610  
2SC3941A-Q**



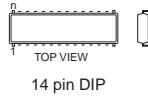
**CXA2067S  
CXA8071CP**



**M24C08-MN6T**



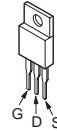
**TEA1504-N2**



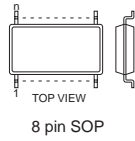
**IRFU110  
IRFU110A**



**2SK2098-01MR-F119  
2SK2605LBSOY**



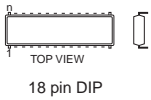
**NJM4558M  
UPC4558G2**



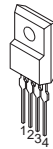
**TL1431CZ**



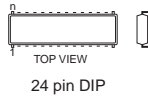
**CXA8070AP**



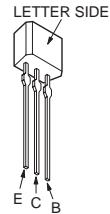
**PQ12RF11**



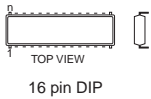
**UPC6757CS**



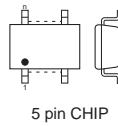
**2SA1175-HFE  
2SA1309A-QRSTA  
2SC2785-HFE  
2SC3311A-QRSTA**



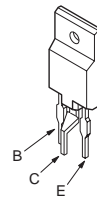
**CXD9516P**



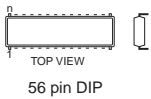
**PST9143N6**



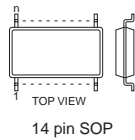
**2SC4634LS-CB11**



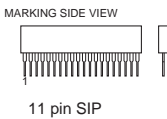
**CXD9528S**



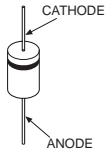
**SN74HC02ANSR**



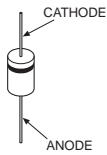
**H8D2957**



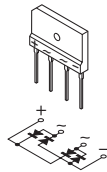
D1NL40-TA  
 D2L40-TA  
 ERA34-10  
 ERB91-02  
 HSS82  
 HSS83TD  
 HZS5.1NB2  
 HZT33-02  
 RGP02-20EL-6394  
 RGP10DG23  
 RL3Z-LF014-302



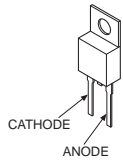
D3S4M  
 EGP10D  
 ERC81-004  
 RH-1A  
 RGP10JPKG23



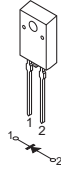
D4SB60L



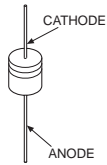
FMC-26UA  
 FMN-G12S



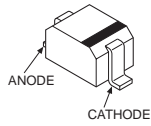
FMQ-G2FS



HZS10NB2  
 HZS12NB2  
 HZS4.7NB2  
 HZS5.6NB2  
 MTZJ-T-77-18  
 RB4410QT-77  
 RD10ES-B2  
 RD12ES-B2  
 RD18ES-B2  
 RD5.1ES-B2  
 RD5.6ES-B2  
 1SR139-400  
 1SS119-25



HZU5.6B2TRF  
 MA111



SPR-325MVW

