

DVP-K330

RMT-D108E

SERVICE MANUAL

Self Diagnosis
Supported model



SPECIFICATIONS

CD/DVD player

Laser Semiconductor laser
Signal format system NTSC/PAL (See page 9 to switch.)

Audio characteristics

Frequency response
 DVD (PCM 96 kHz): 2 Hz to 44 kHz (± 1 dB)*
 DVD (PCM 48 kHz): 2 Hz to 22 kHz (± 0.5 dB)
 CD: 2 Hz to 20 kHz (± 0.5 dB)
Signal-to-noise ratio
 More than 110 dB (LINE OUT (AUDIO 1, 2) connectors only)
Harmonic distortion
 Less than 0.0025%
Dynamic range
 More than 100 dB (DVD)
 More than 97 dB (CD)
Wow and flutter
 Less than detected value ($\pm 0.001\%$ W PEAK)

Outputs and inputs

	Jack type	Output level	Load impedance
LINE OUT (AUDIO 1, 2)	Phono jacks	2 Vrms (at 50 kilohms)	Over 10 kilohms
DIGITAL OUT (OPTICAL)	Optical output connector	-18 dBm	Wave length: 660 nm
DIGITAL OUT (COAXIAL)	Phono jack	0.5 Vp-p	75 ohms terminated

LINE OUT (VIDEO 1, 2)	Phono jacks	1.0 Vp-p	75 ohms, sync negative
S VIDEO OUT (1, 2)	4-pin mini DIN	Y: 1.0 Vp-p C: 0.3 Vp-p (PAL) C: 0.286 Vp-p (NTSC)	75 ohms, sync negative 75 ohms terminated
COMPONENT VIDEO OUT (Y, Cb/B-Y, Cr/R-Y)	Phono jacks	Y: 1.0 Vp-p Cb/B-Y, Cr/R-Y: 0.7 Vp-p	75 ohms, sync negative 75 ohms
MIC 1, 2	Standard jacks		

General

Power requirements
 220 to 240V AC, 50/60 Hz (EXCEPT Taiwan)
 110V AC, 50/60 Hz (Taiwan)
Power consumption
 15 W
Dimensions (approx.)
 430 × 95 × 305 mm (w/h/d)
 incl. projecting parts
Mass (approx.)
 3.4 kg

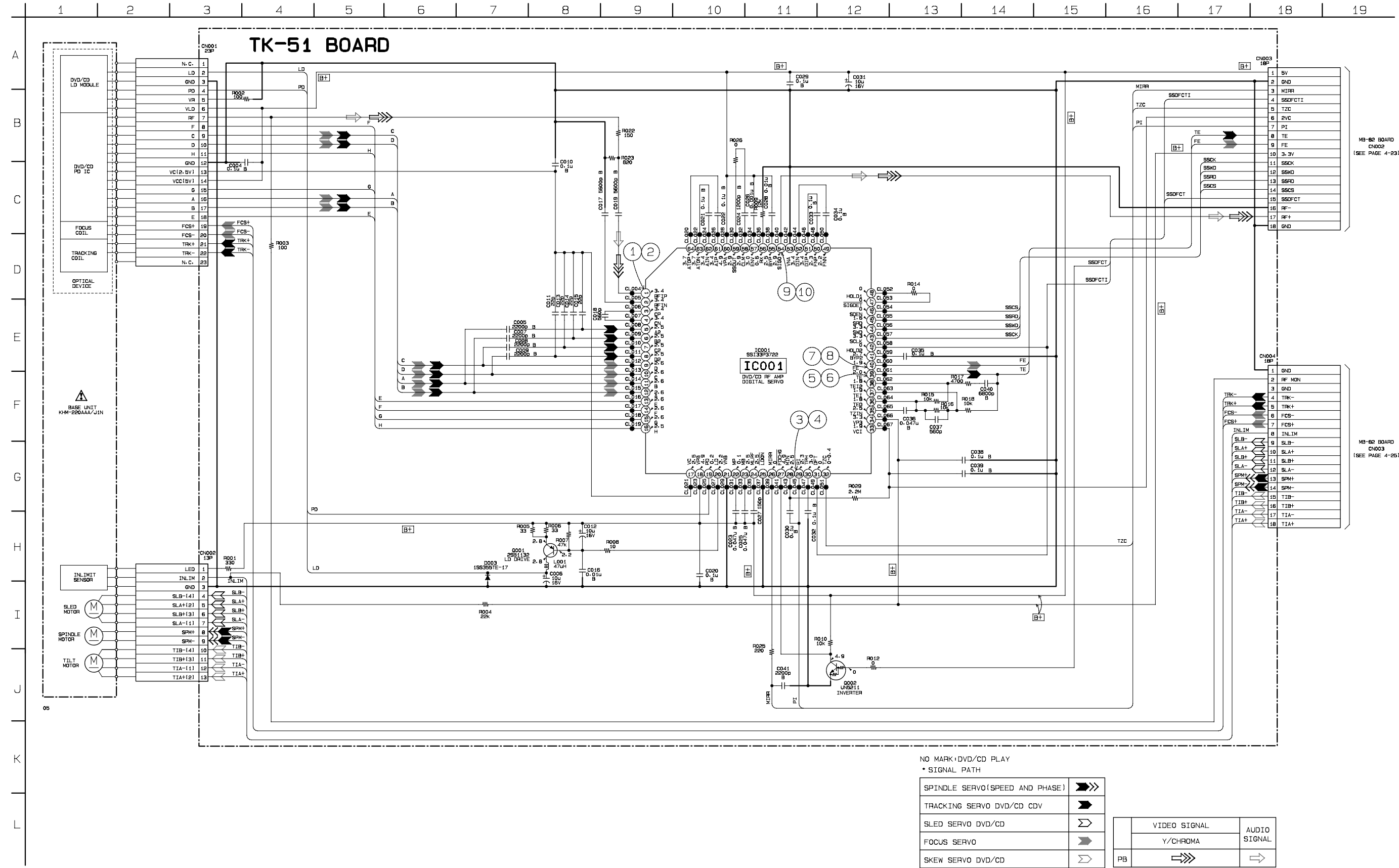
– Continued on next page –



CD/DVD PLAYER

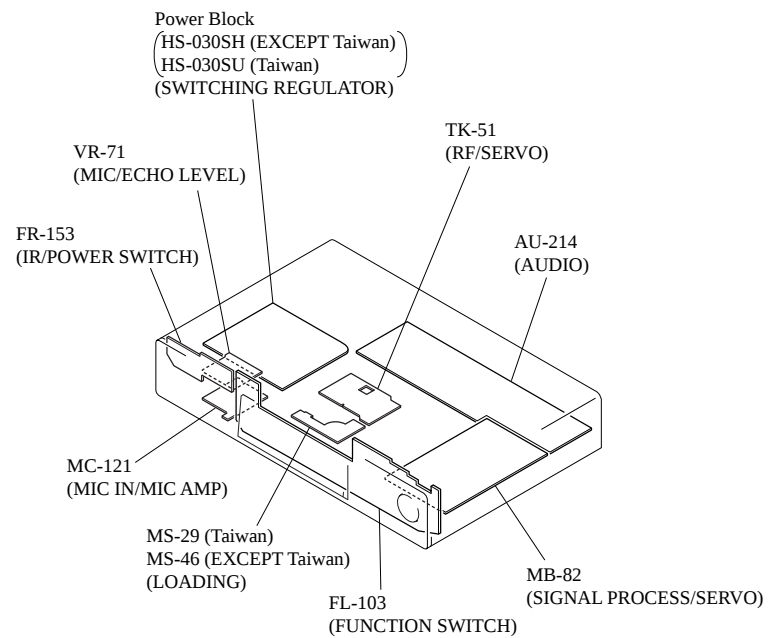
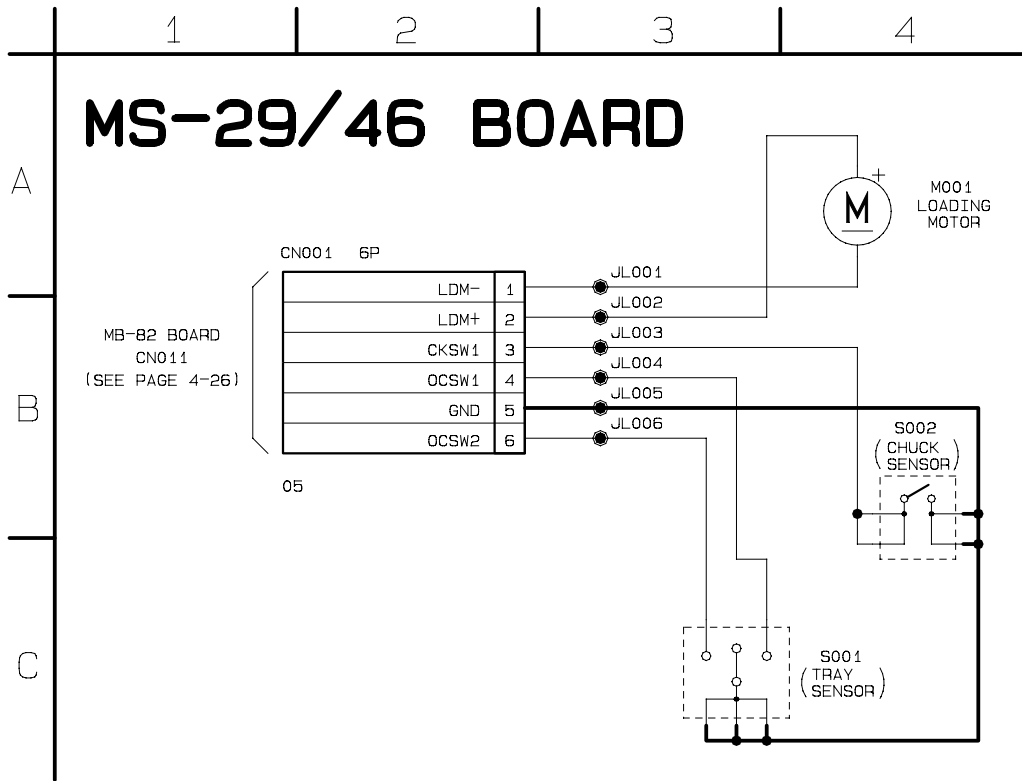
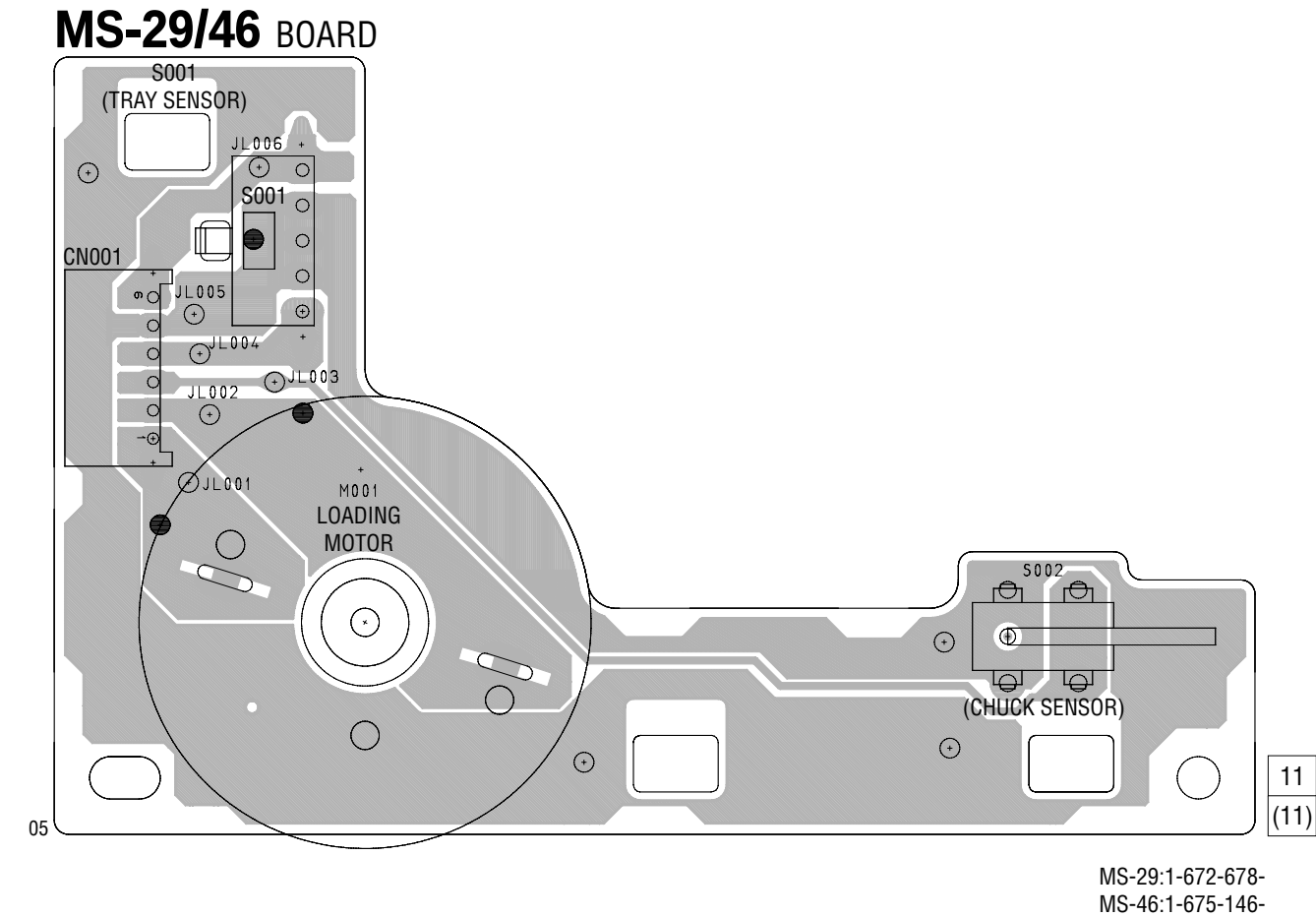
SONY®

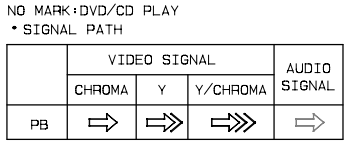
TK-51 (RF/SERVO) SCHEMATIC DIAGRAM • See page 4-7 for printed wiring board and page 4-10 for waveforms.
– Ref. No.: TK-51 board; 2,000 series –



MS-29/46 (LOADING) PRINTED WIRING BOARD AND SCHEMATIC DIAGRAM
– Ref. No.: MS-29/46 board; 3,000 series –

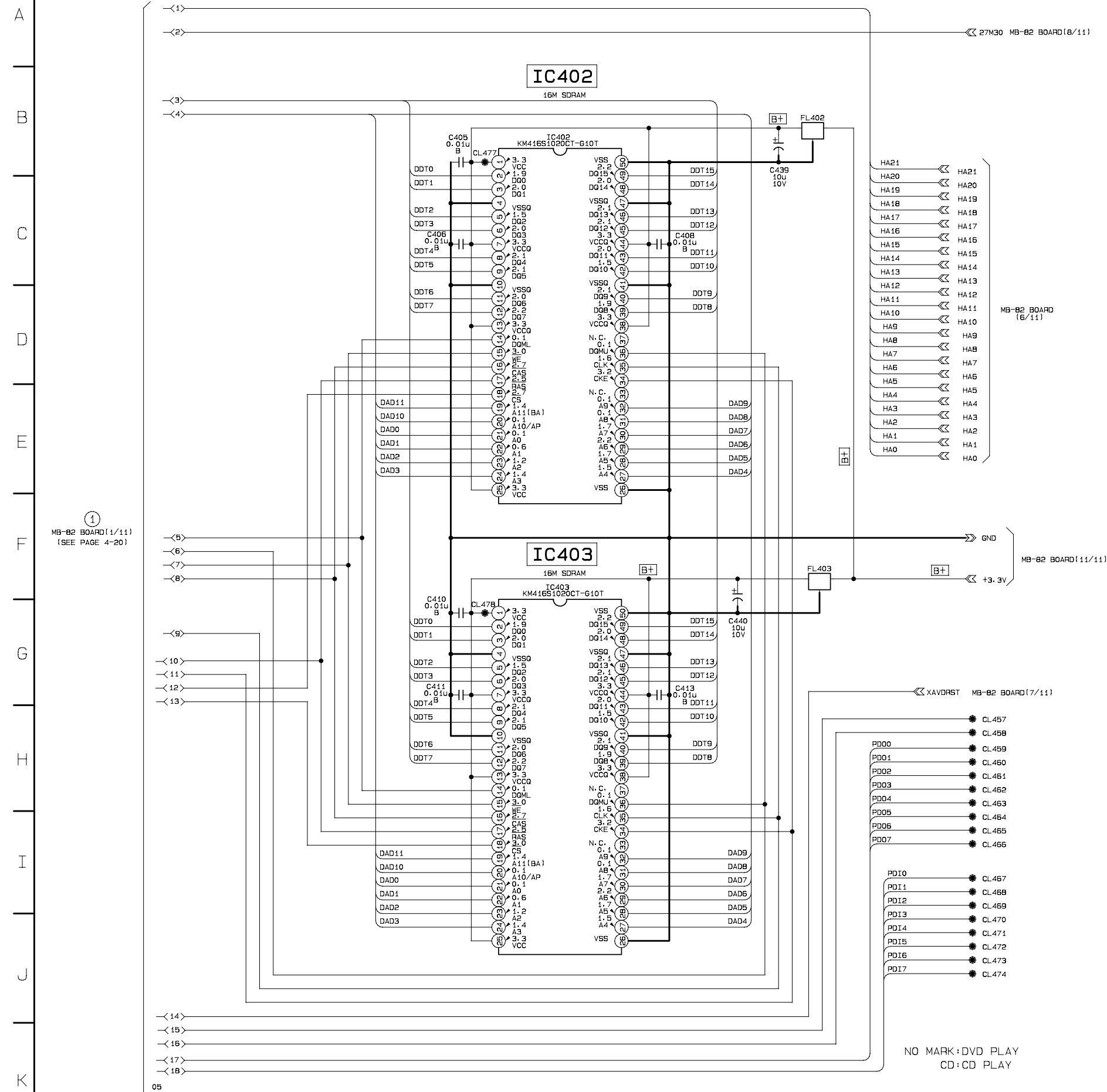
There are few cases that the part isn't mounted in this model is printed on this diagram.





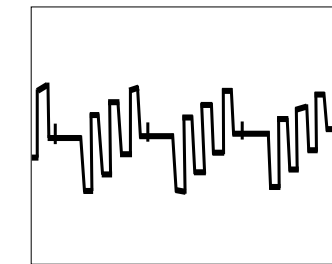
– Ref. No.: MB-82 board; 1,000 series –

MB-82 BOARD (2/11)



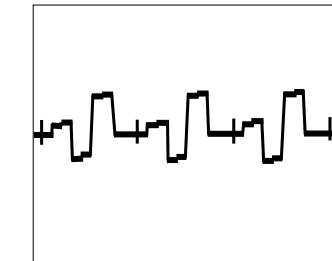
- **Waveforms**

① IC401 ⑤④



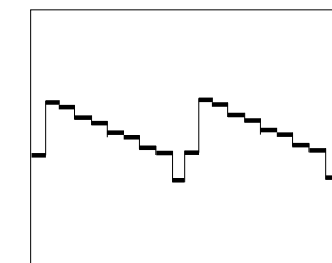
720 mVp-p (H)

② IC401 ⑤⑦



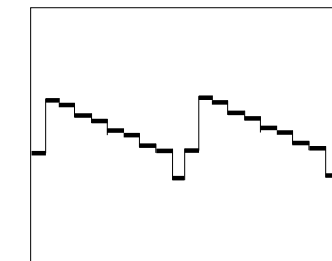
728 mVp-p (H)

③ IC401 ⑤⑧



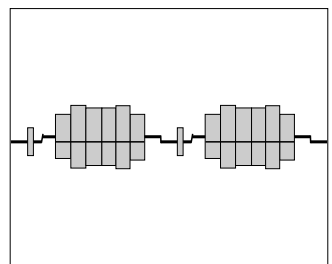
1.0 Vp-p (H)

④ IC401 ⑥①



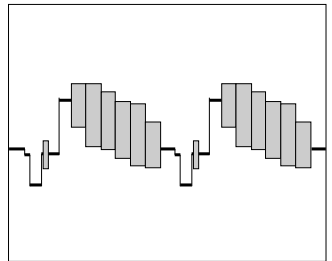
1.1 Vp-p (H)

⑤ IC401 ⑥②



816 mVp-p (H)

⑥ IC401 ⑥5

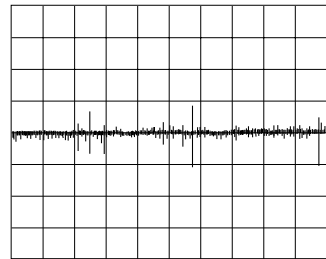


1.2 Vp-p (H)

MB-82 (SERVO DSP) SCHEMATIC DIAGRAM • See page 4-15 for printed wiring board.
– Ref. No.: MB-82 board; 1,000 series –

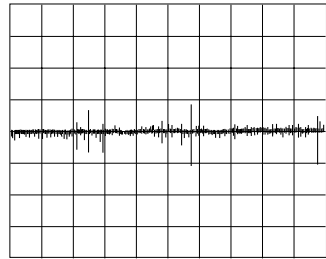
• Waveforms

① IC701 ⑥ (DVD play)
500 mV/DIV 50 ms/DIV



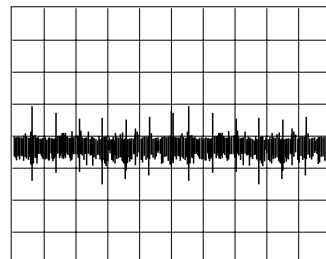
1.4 Vp-p

② IC701 ⑥ (CD play)
500 mV/DIV 200 mV/DIV



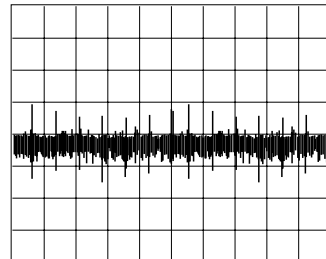
1.7 Vp-p

③ IC701 ⑥ (DVD play)
100 mV/DIV 5 ms/DIV

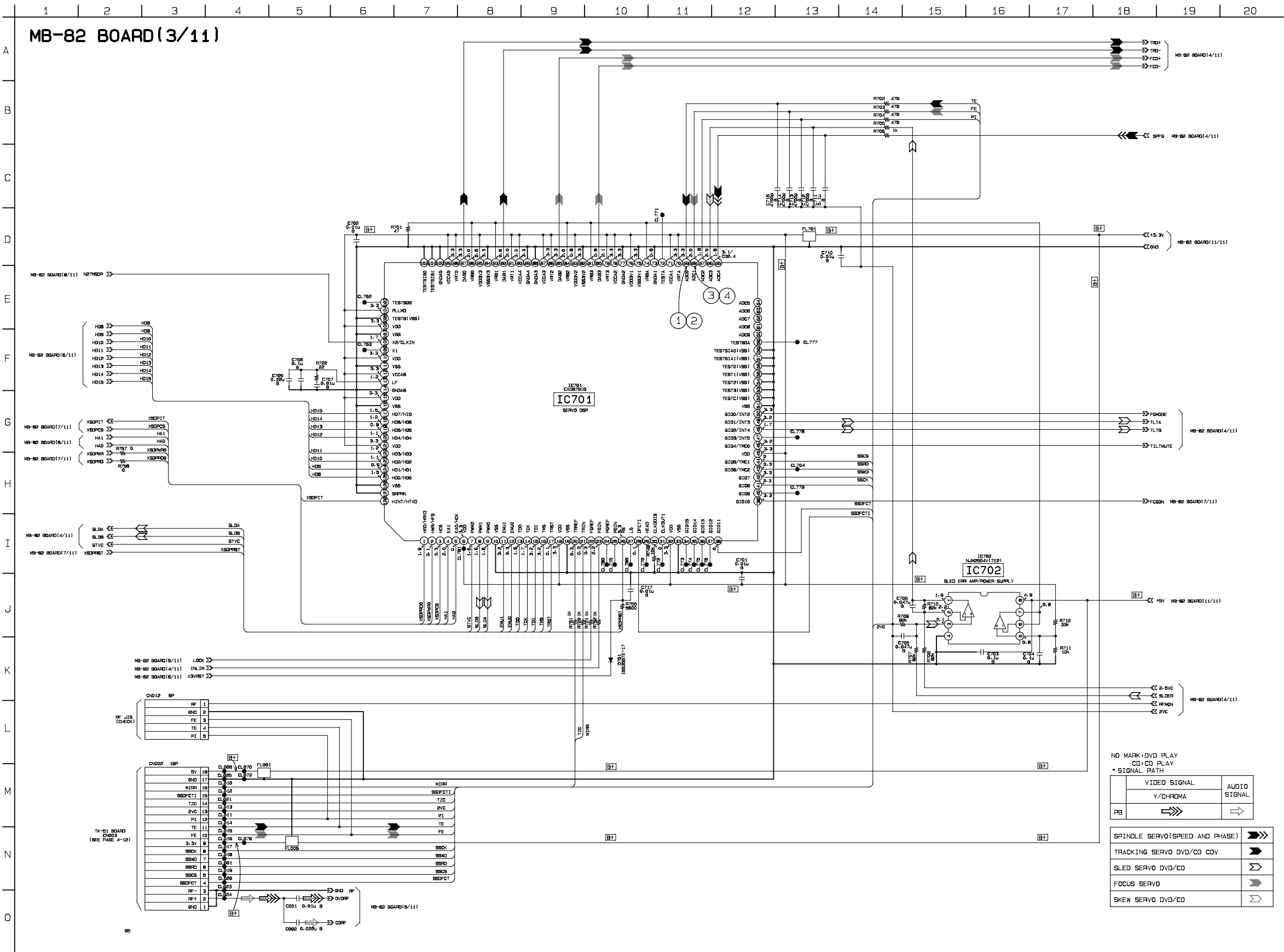


180 mVp-p

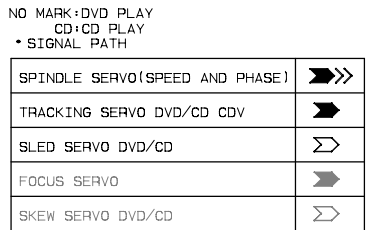
④ IC701 ⑥ (CD play)
500 mV/DIV 50 ms/DIV

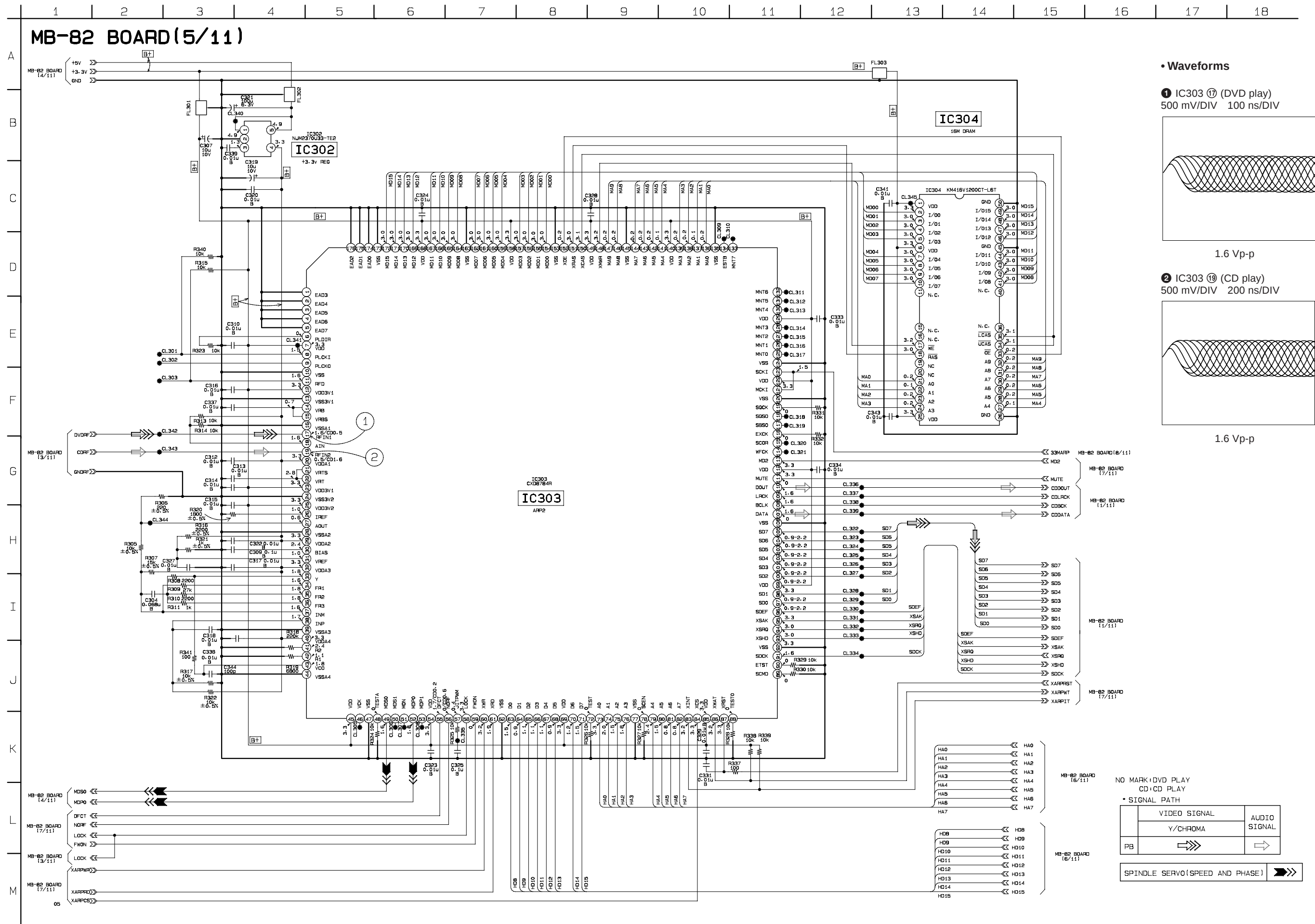


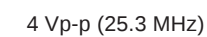
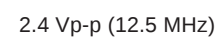
860 mVp-p



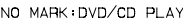
– Ref. No.: MB-82 board; 1,000 series –



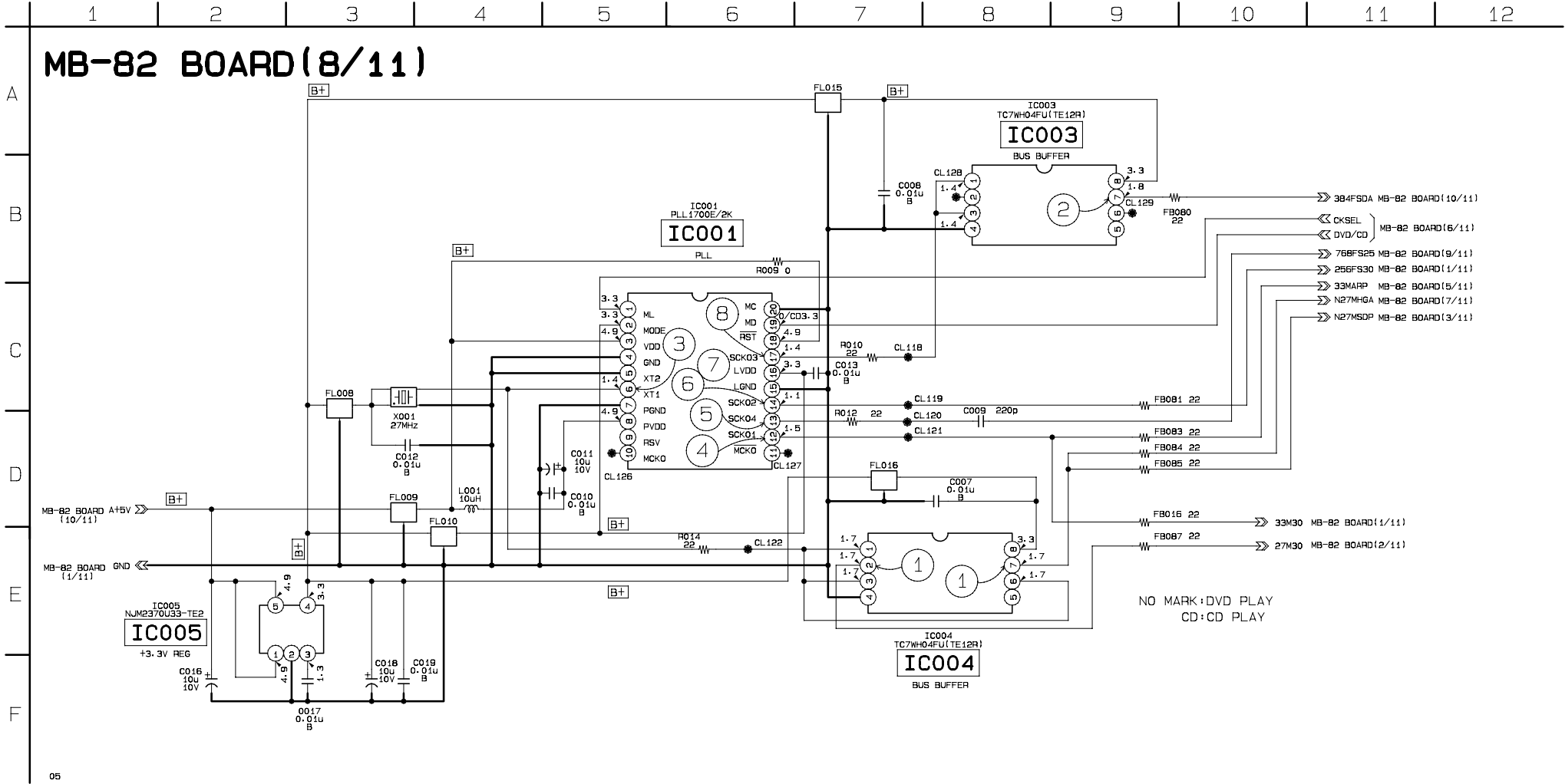




– Ref. No.: MB-82 board; 1,000 series –

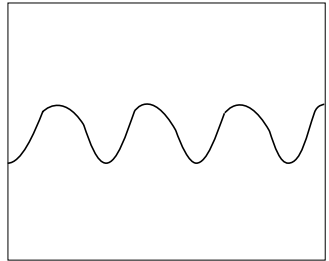


MB-82 (CLOCK GENERATOR) SCHEMATIC DIAGRAM • See page 4-15 for printed wiring board.
– Ref. No.: MB-82 board; 1,000 series –



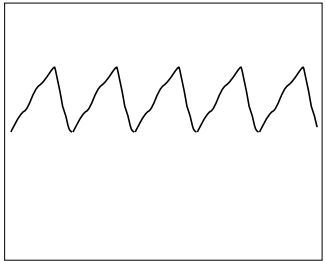
• Waveforms

① IC004 ②, ⑦



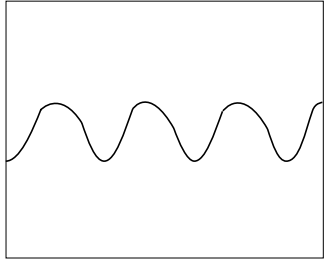
4.2 Vp-p (26.9 MHz)

⑥ IC001 ⑭ (DVD play)



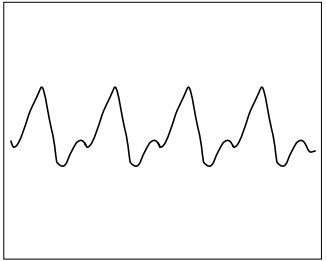
4.2 Vp-p (25.3 MHz)

② IC003 ⑦



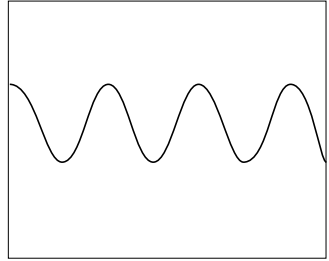
DVD : 6.2 Vp-p (37.0 MHz)
CD : 5 Vp-p (33.6 MHz)

⑦ IC001 ⑭ (CD play)



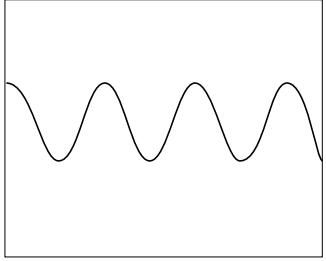
4.7 Vp-p (22.5 MHz)

③ IC001 ⑥



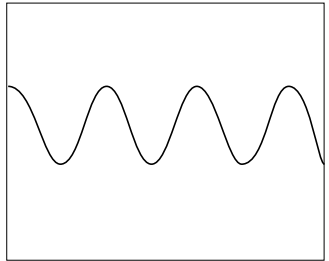
4.2 Vp-p (27.0 MHz)

⑧ IC001 ⑰



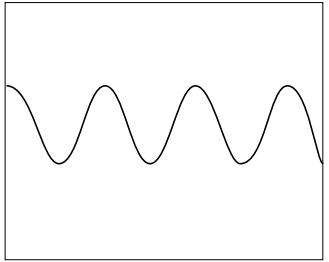
DVD : 5.8 Vp-p (36.5 MHz)
CD : 5.1 Vp-p (33.8 MHz)

④ IC001 ⑫



4.6 Vp-p (33.8 MHz)

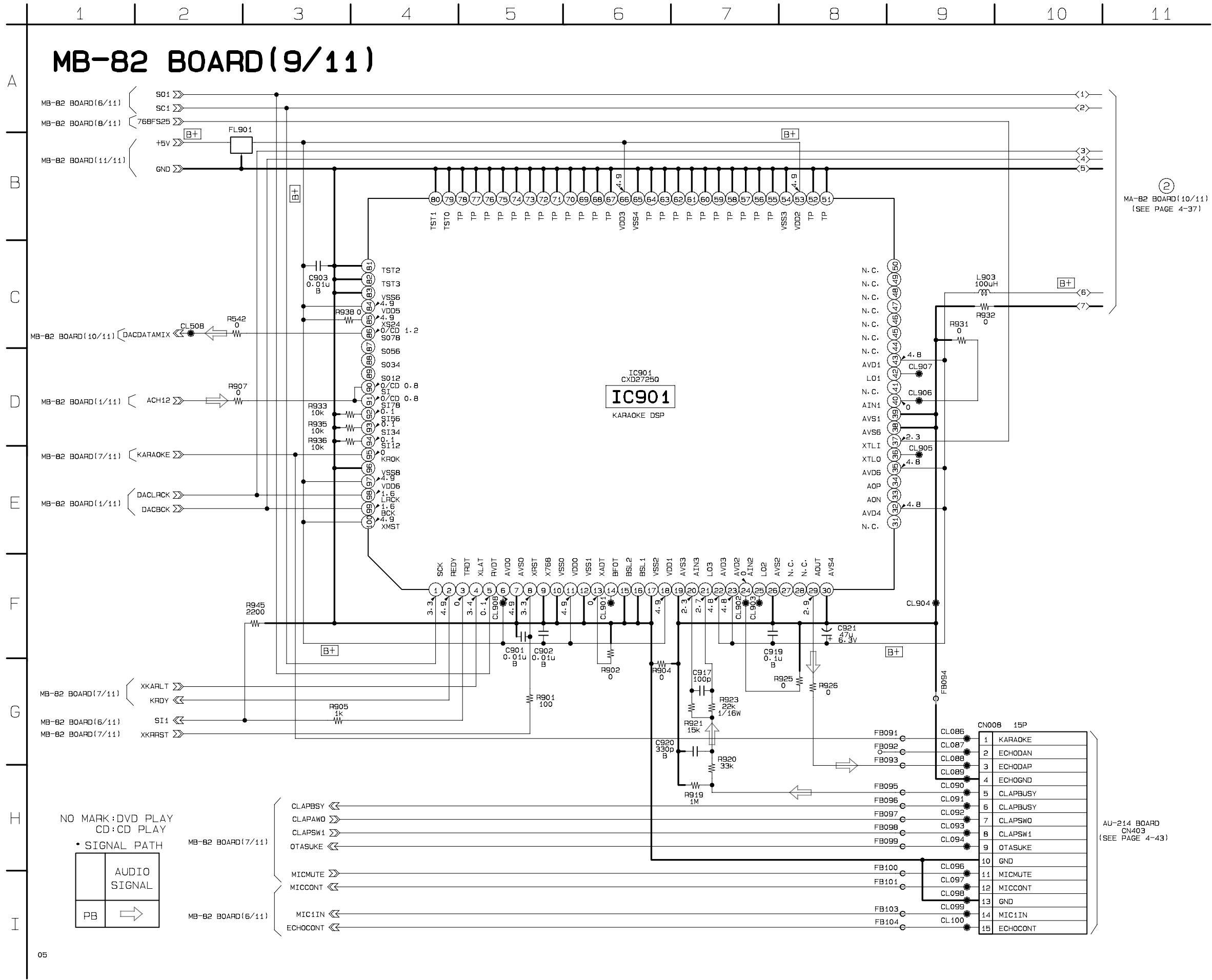
⑤ IC001 ⑬



DVD : 5.6 Vp-p (36.8 MHz)
CD : 5.2 Vp-p (33.9 MHz)

MB-82 (KARAOKE DSP) SCHEMATIC DIAGRAM • See page 4-15 for printed wiring board.

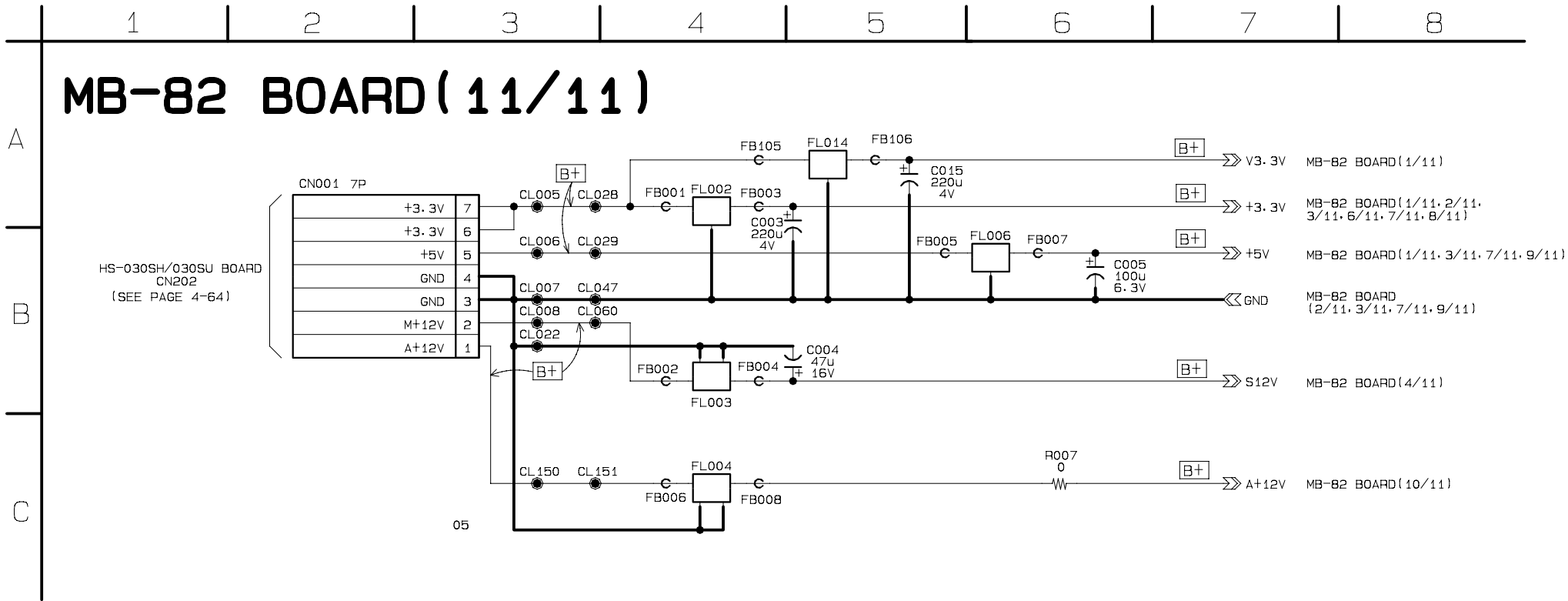
– Ref. No.: MB-82 board; 1,000 series –

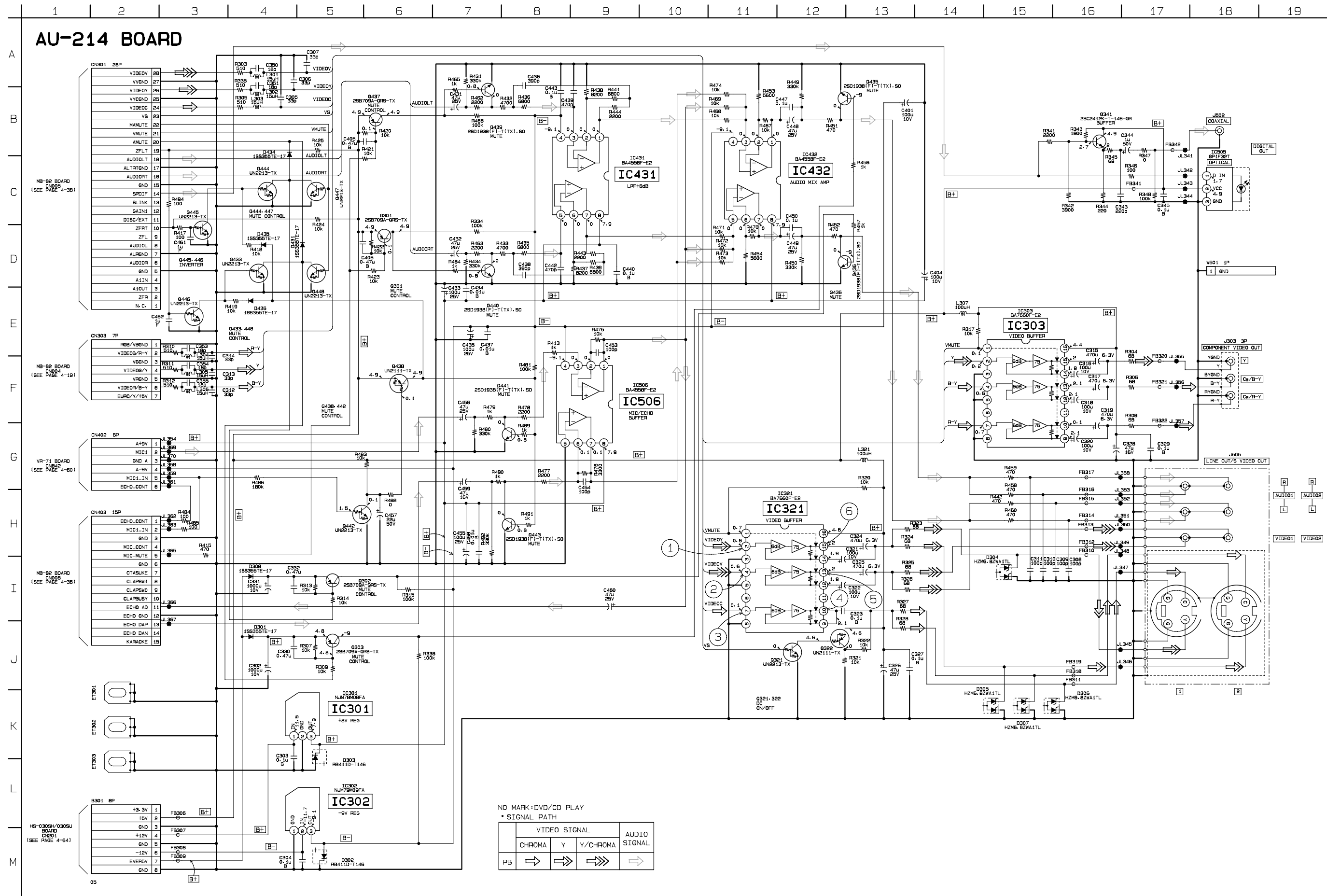


– Ref. No.: MB-82 board; 1,000 series –

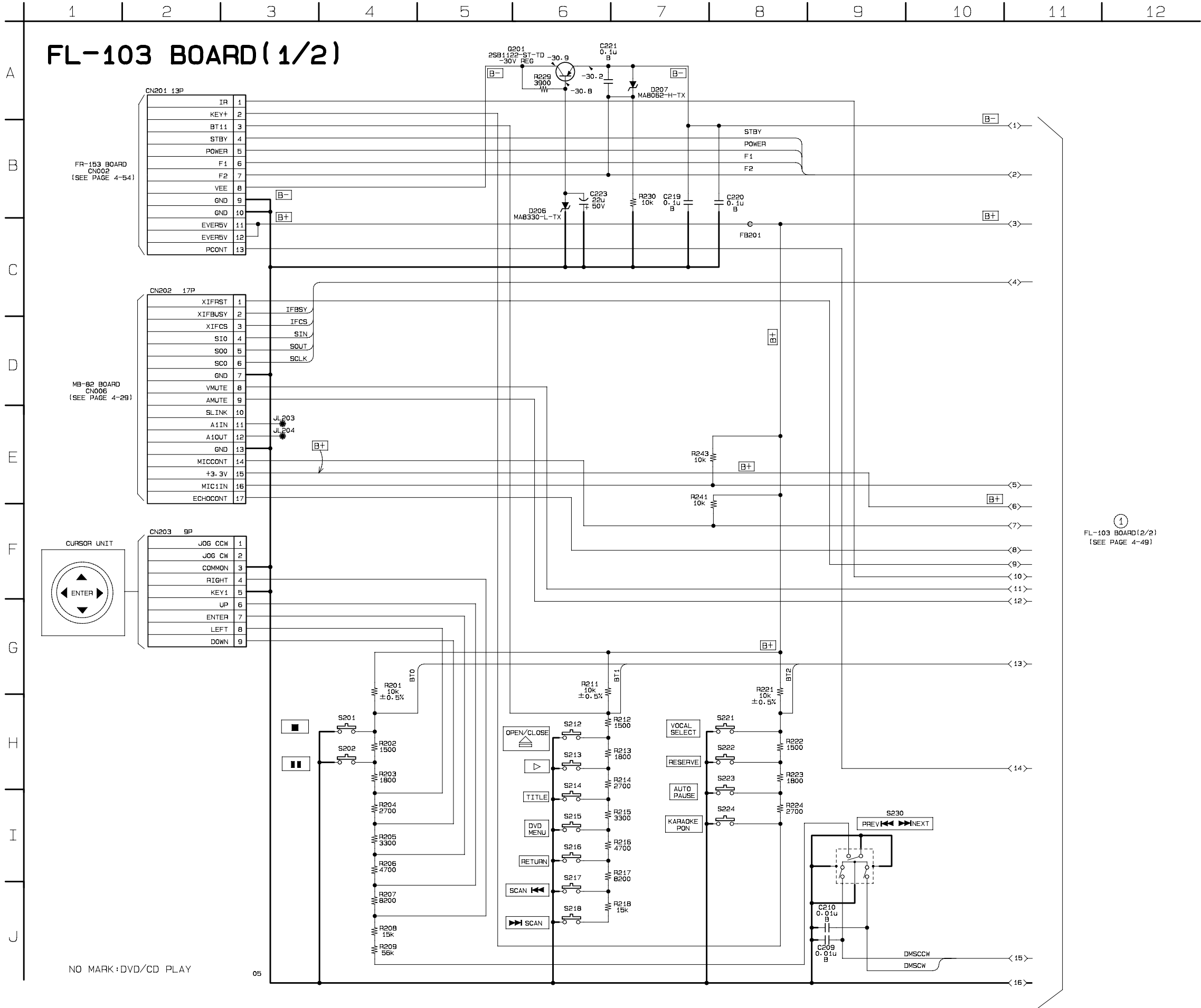
	VIDEO SIGNAL			AUDIO SIGNAL
	CHROMA	Y	Y/CHROMA	
PB				

MB-82 (BIAS) SCHEMATIC DIAGRAM • See page 4-15 for printed wiring board.
– Ref. No.: MB-82 board; 1,000 series –

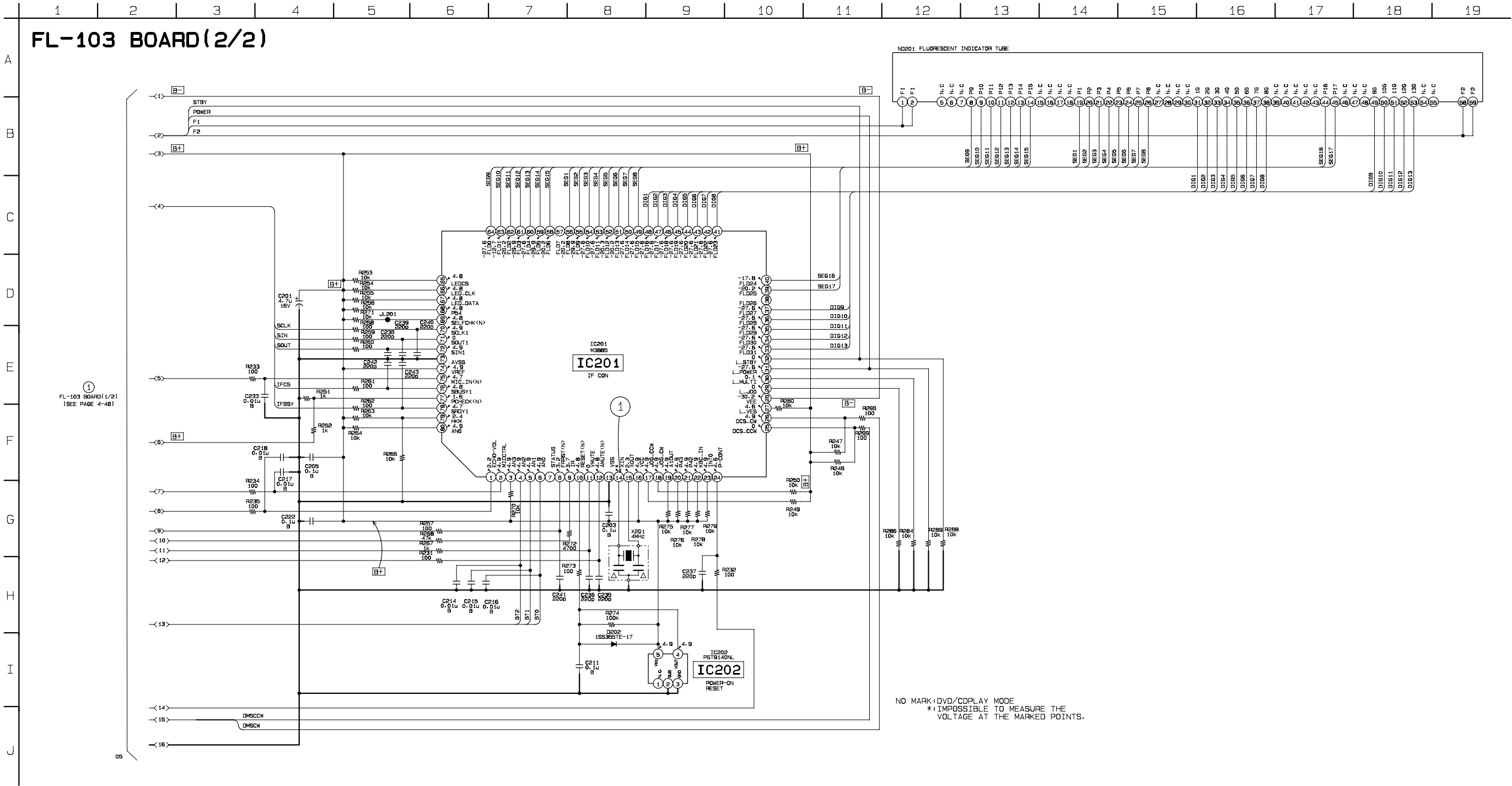




FL-103 (FUNCTION SWITCH) SCHEMATIC DIAGRAM • See page 4-45 for printed wiring board.
– Ref. No.: FL-103 board; 2,000 series –

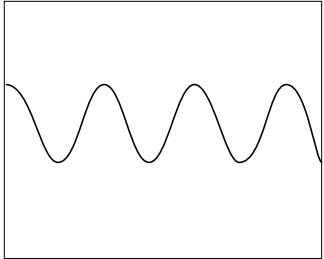


FL-103 (IF CON) SCHEMATIC DIAGRAM • See page 4-45 for printed wiring board.
– Ref. No.: FL-103 board; 2,000 series –



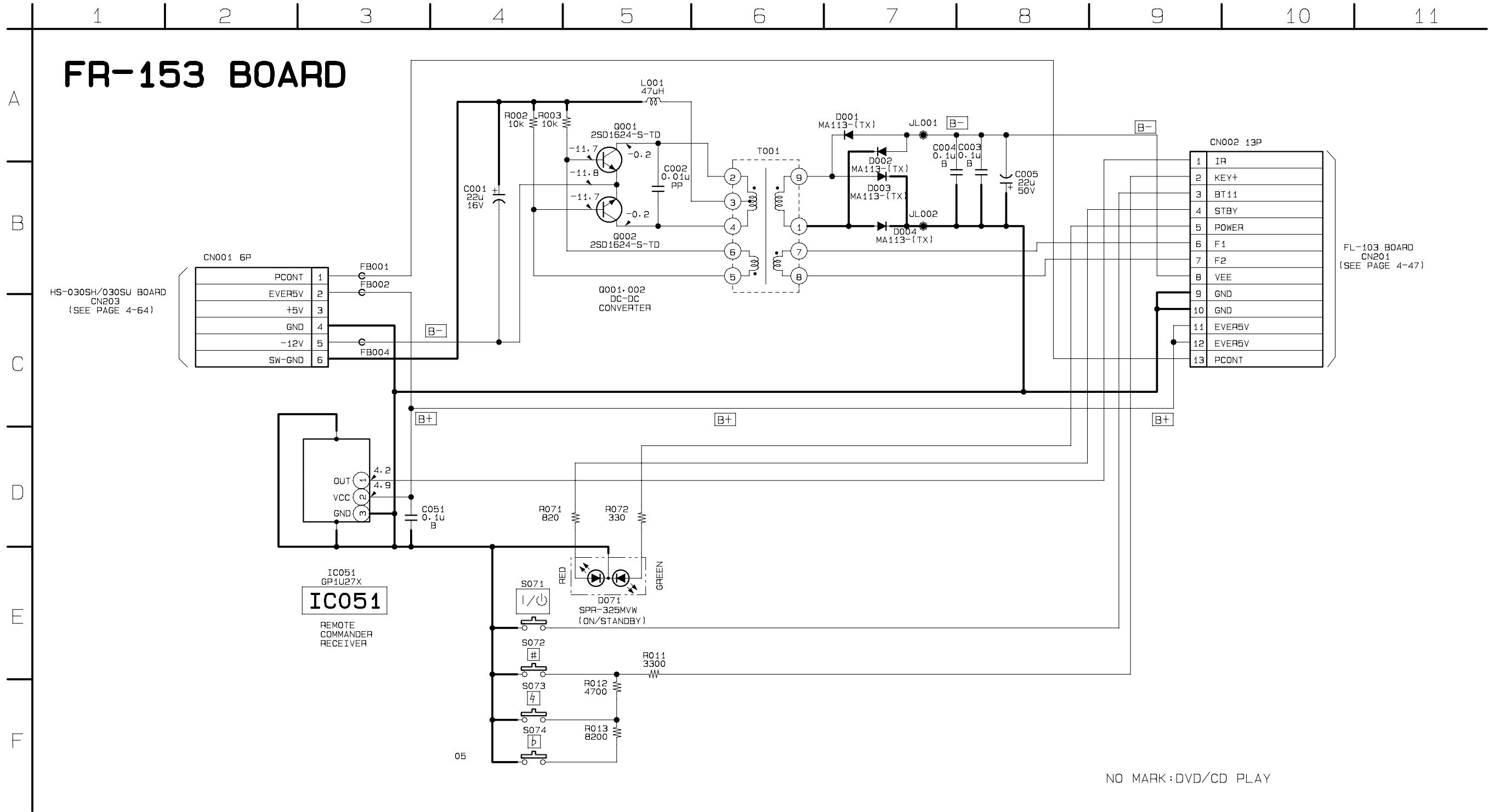
• Waveform

① IC201 ⑭

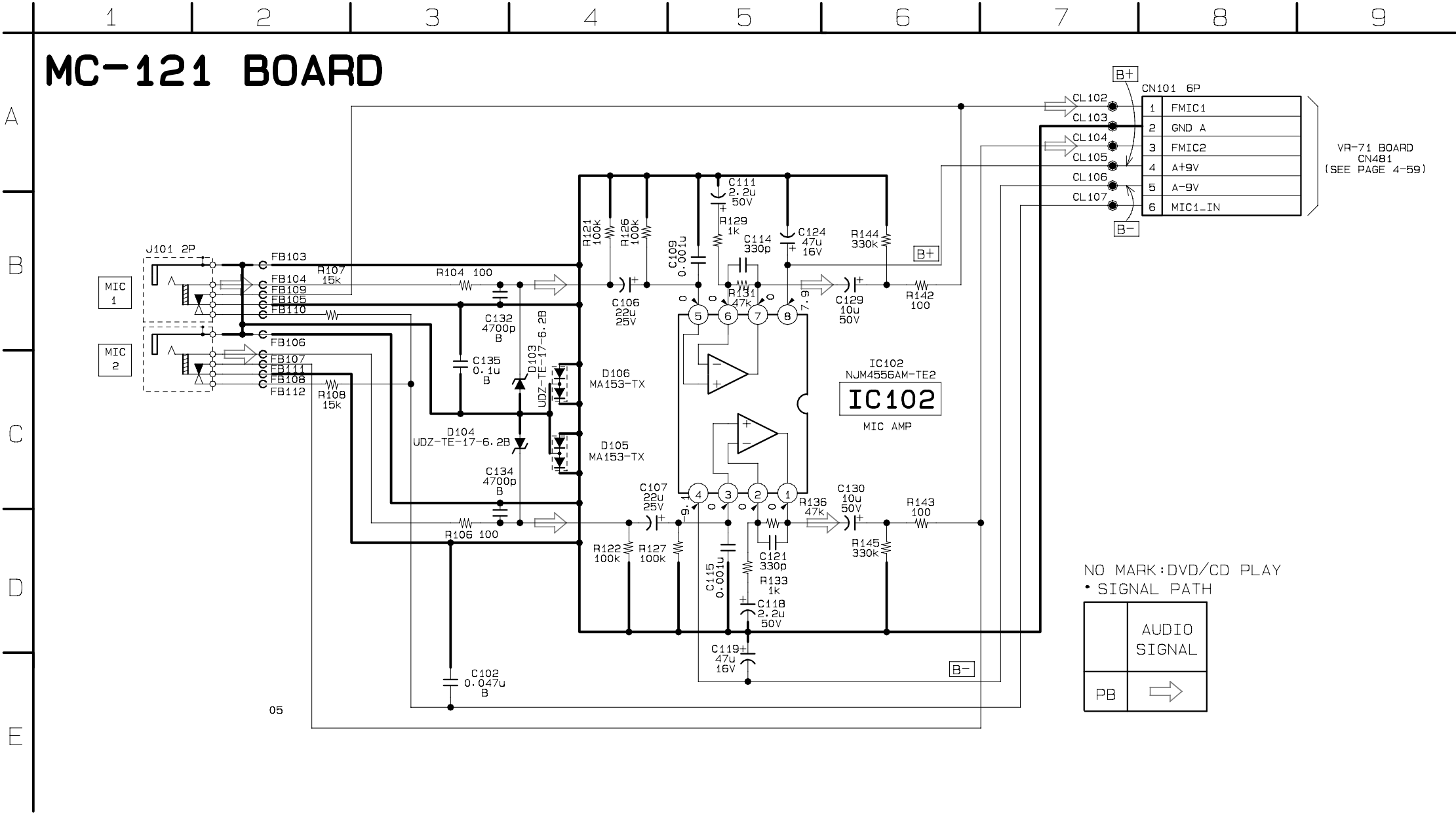


3.9 Vp-p (4 MHz)

FR-153 (IR/POWER SWITCH) SCHEMATIC DIAGRAM
- Ref. No.: FR-153 board; 4,000 series -



MC-121 (MIC IN/MIC AMP) SCHEMATIC DIAGRAM
– Ref. No.: MC-121 board; 2,000 series –



VR-71 (MIC/ECHO LEVEL) SCHEMATIC DIAGRAM
- Ref. No.: VR-71 board; 2,000 series -

