

STR-VX500

SERVICE MANUAL

E Model



This set is the tuner and amplifier section in MHC-VX500.

SPECIFICATIONS

Amplifier section

The following measured at AC 120, 220, 240V 50/60 Hz
DIN power output (Rated) (FRONT)

120 + 120W (6 Ω at 1kHz DIN)

Continuous RMS power output (Reference)

FRONT SPEAKER: 150 + 150W
(6 Ω at 1kHz, 10% THD)

Inputs

MD/VIDEO 1 IN (phono jacks): voltage
450/250mV, impedance 47k Ω
AV INPUT AUDIO (phono jacks): voltage
250mV, impedance 47k Ω
MIX MIC 1/2 (phone jack): sensitivity 1mV,
impedance 10k Ω

Output

MD/VIDEO 1 OUT (phono jacks): voltage
450/250mV, impedance 1k Ω
PHONES (stereo phone jack): accepts
headphones of 8 Ω or more.
FRONT SPEAKER:
accepts impedance of 6 to 16 Ω
REAR SPEAKER:
accepts impedance of 16 Ω
SUPER WOOFER:
Voltage 1V, impedance 1k Ω

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 – 108.0MHz
Antenna terminals 75 Ω unbalanced
Intermediate frequency 10.7MHz

AM tuner section

Tuning range MW: 531 – 1,602kHz (with the MW tuning
interval set at 9kHz)
530 – 1,710kHz (with the MW tuning
interval set at 10kHz)
SW: 5.95 – 17.90MHz (with the SW tuning
interval set at 5kHz)
Intermediate frequency 450kHz
Antenna AM loop antenna External antenna terminal

General

Power requirements 120V, 220V or 230 – 240V AC, 50/60Hz
Adjustable with voltage selector
Power consumption 290W
Dimensions (w/h/d) Approx. 288 × 205 × 375mm
Mass Approx. 8.6kg

Design and specifications are subject to change without notice.

FM STEREO/FM-AM RECEIVER

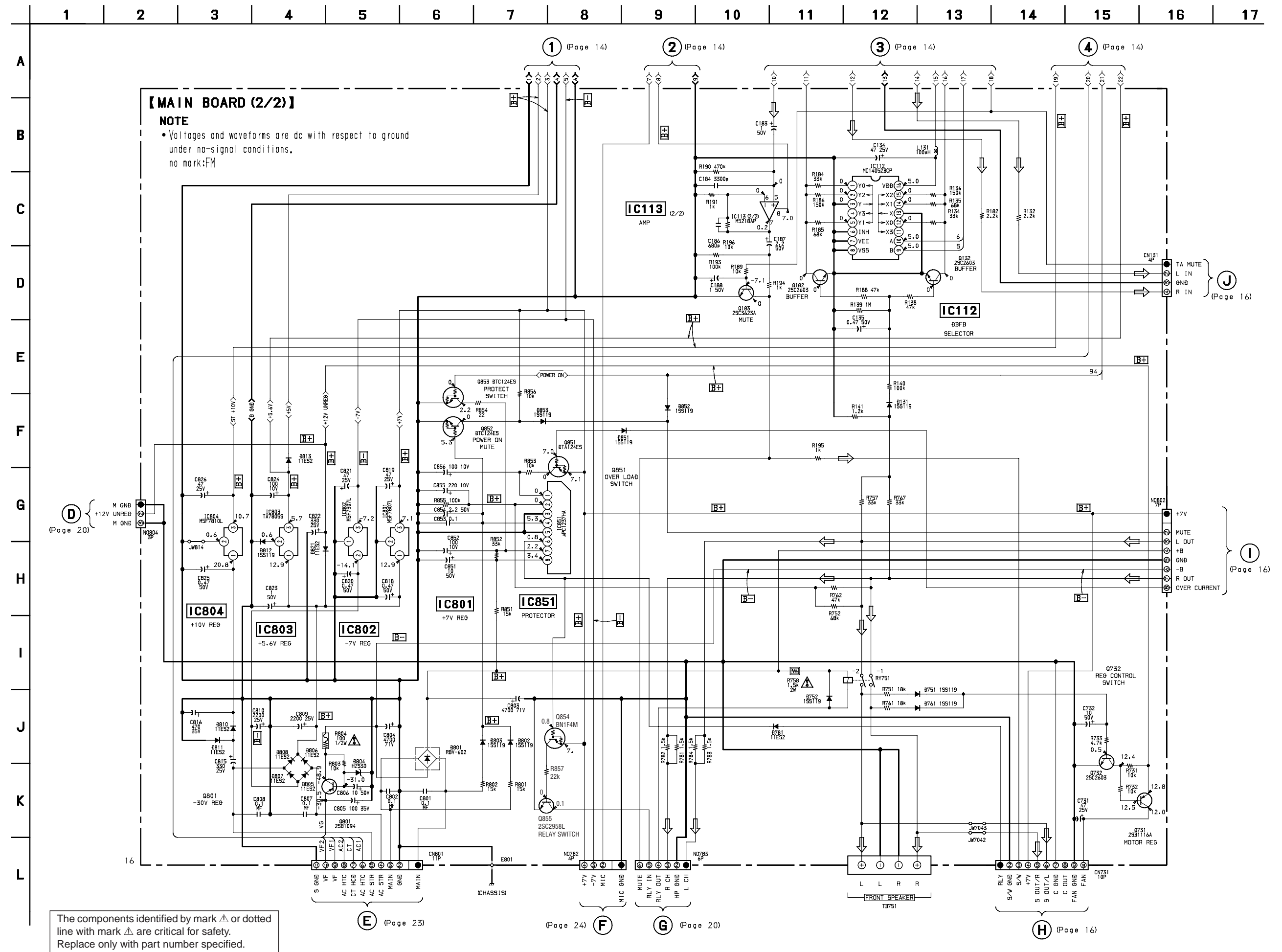


SONY®



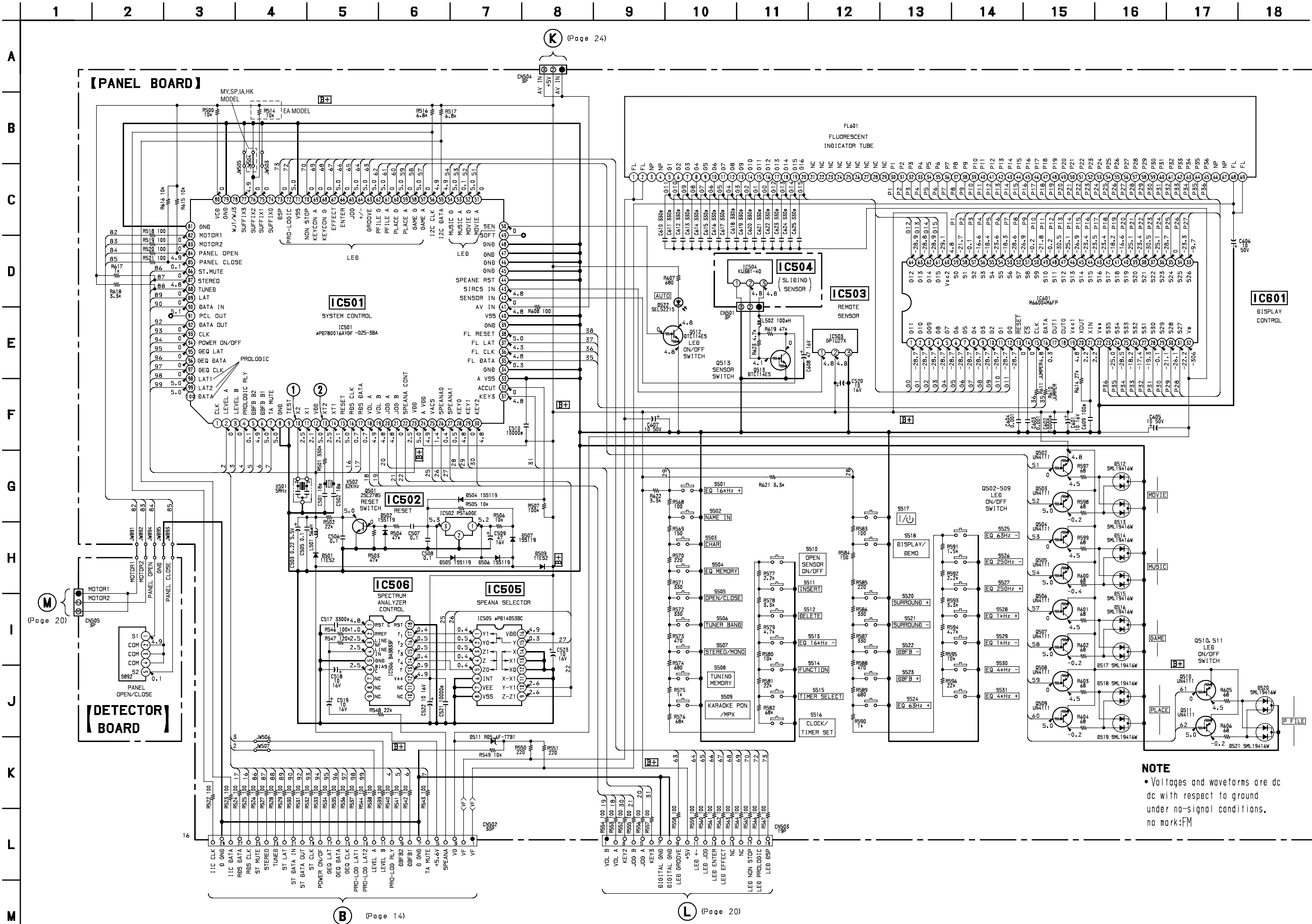
4-5. SCHEMATIC DIAGRAM MAIN (2/2) SECTION

- Refer to page 13 for Printed Wiring Board.
- Refer to page 27 for IC Block Diagrams.



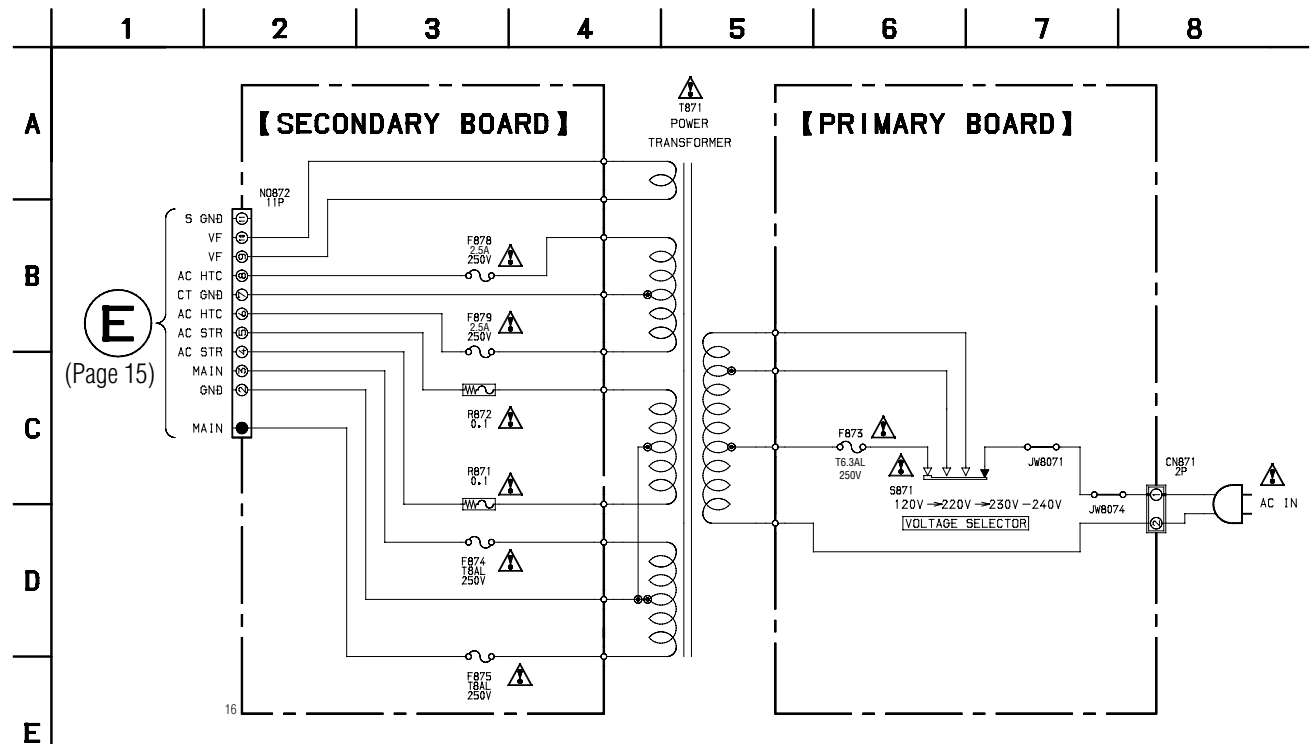


- Refer to page 28 for IC Block Diagrams.
- Refer to page 12 for Waveform.



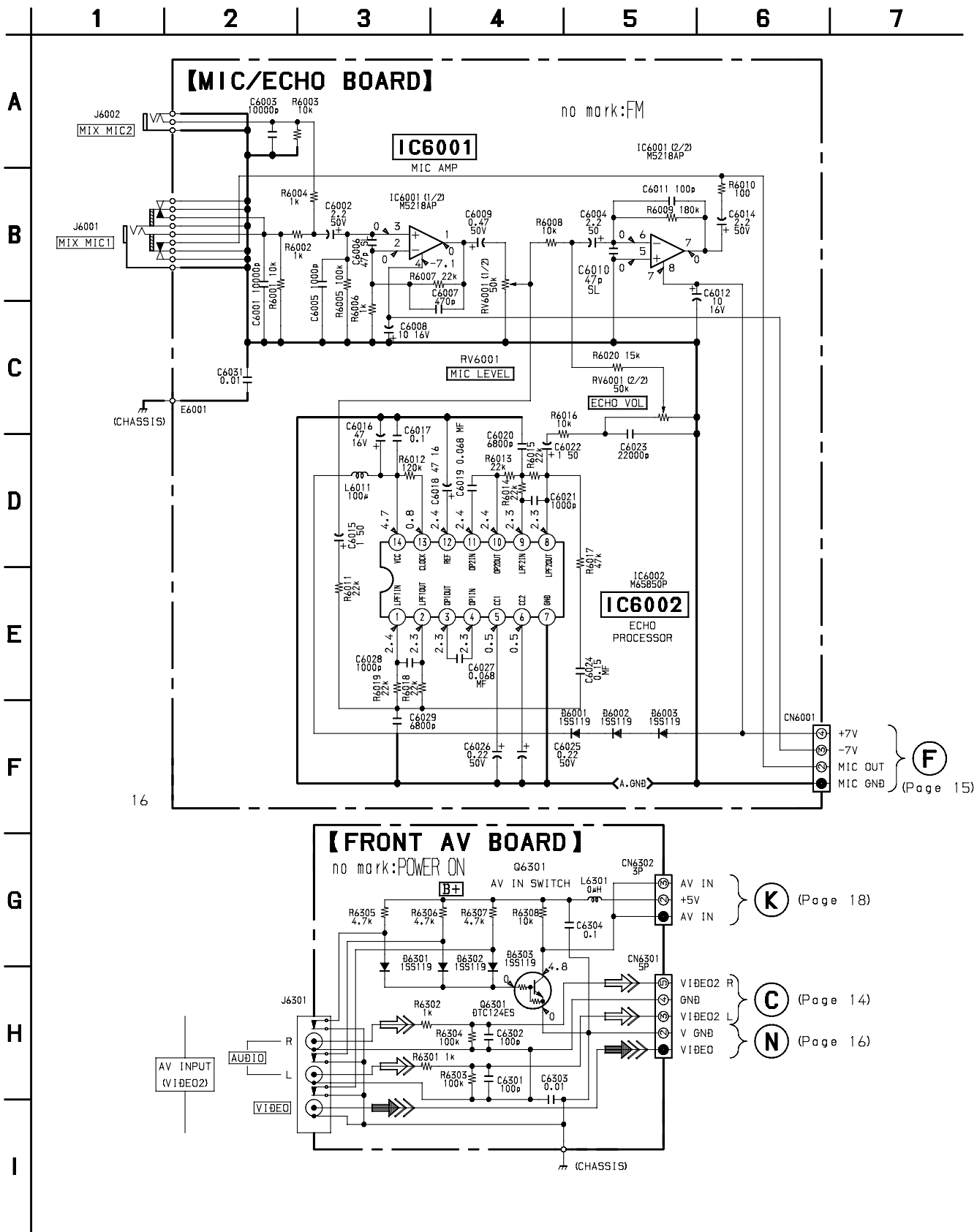


4-13. SCHEMATIC DIAGRAM TRANS SECTION



The components identified by mark \triangle or dotted line with mark \triangle are critical for safety. Replace only with part number specified.

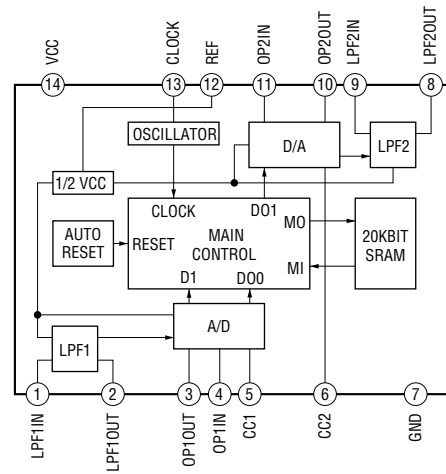
4-14. SCHEMATIC DIAGRAM AV/MIC SECTION • Refer to page 28 for IC Block Diagrams.



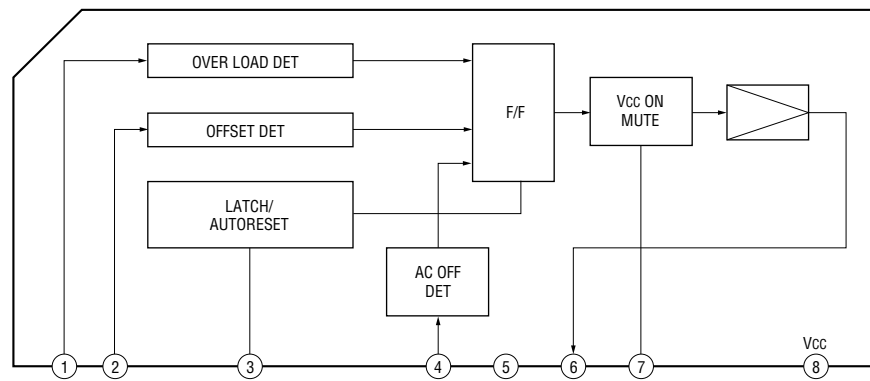
IC300 LV1041M



IC401 M65850P

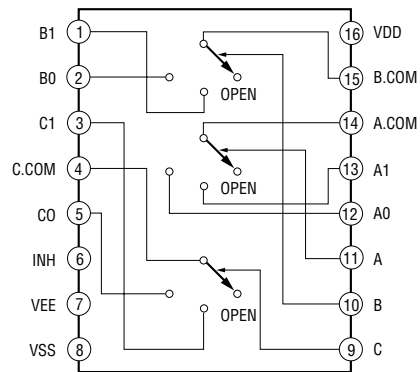


IC851 μ PC1237HA

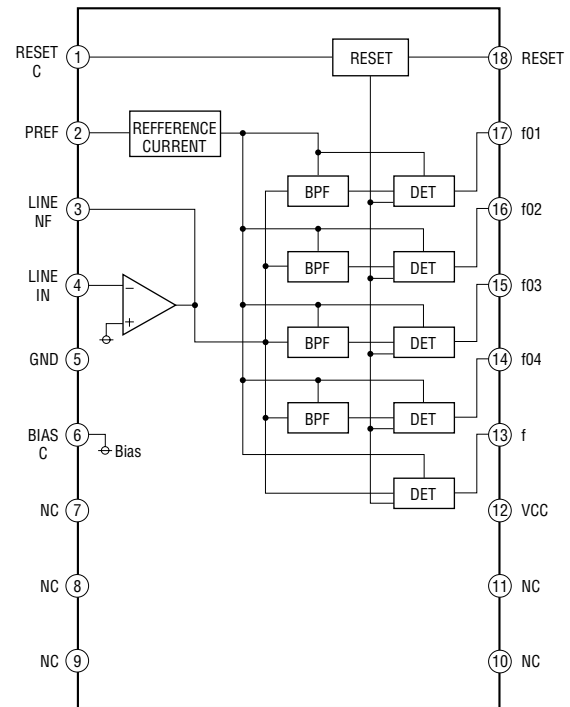


• PANEL BOARD

IC505 μ PD4053BC

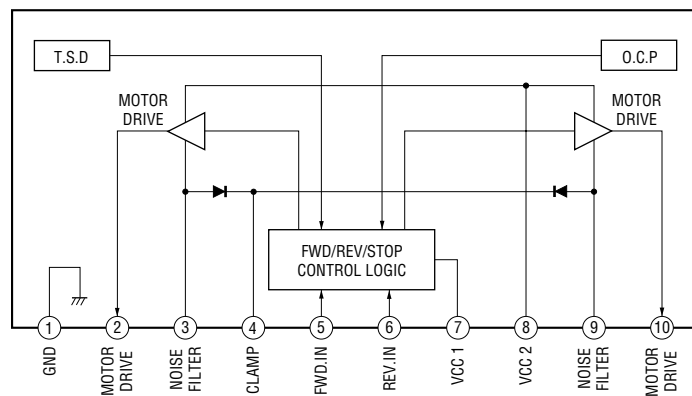


IC506 BA3833F-E2



• MOTOR BOARD

IC891 LB1641



• MIC/ECHO BOARD

IC6002 M65850P

