

XR-1800/1803/1804

SERVICE MANUAL

AEP Model

UK Model

E Model

XR-1800

East European Model

XR-1803

Saudi Arabia Model

XR-1804



Photo: XR-1804

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-36SZ9-32

SPECIFICATIONS

Cassette player section

Tape track	4-track 2-channel stereo
Wow and flutter	0.13 % (WRMS)
Frequency response	30 – 15,000 Hz
Signal-to-noise ratio	55 dB

Tuner section

FM

XR-1800: AEP, UK:	
Tuning range	87.5 – 108.0 MHz
Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	12 dBf
Selectivity	70 dB at 400 kHz
Signal-to-noise ratio	65 dB (stereo), 68 dB (mono)
Harmonic distortion at 1 kHz	0.5% (stereo), 0.3% (mono)
Separation	35 dB at 1 kHz
Frequency response	30 – 15,000 Hz
Capture ratio	2 dB

XR-1800: E/1804:

Tuning range	FM tuning interval: 50 kHz/200 kHz switchable 87.5 – 108.0 MHz (at 50 kHz step) 87.5 – 107.9 MHz (at 200 kHz step)
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Antenna terminal	External antenna connector
Intermediate frequency	10.7 MHz
Usable sensitivity	12 dBf
Selectivity	75 dB at 400 kHz
Signal-to-noise ratio	60 dB (stereo), 65 dB (mono)
Harmonic distortion at 1 kHz	0.6% (stereo), 0.4% (mono)
Separation	35 dB at 1 kHz

Frequency response	30 – 15,000 Hz
Capture ratio	2 dB
XR-1803:	
Диапазон приема	65,0 – 74,0 МГц (шаг 30 кГц) 87,5 – 108,0 МГц (шаг 50 кГц)
Антенный вход	Гнездо внешней антенны
Промежуточная частота	10,7 МГц
Используемая чувствительность	12 дБф
Избирательность	70 дБ при 400 кГц
Отношение полезного сигнала к шуму	65 дБ (стерео), 68 дБ (моно)
Коэффициент гармоник на частоте 1 кГц	0,5% (стерео), 0,3% (моно)
Разделение	35 дБ при 1 кГц
Низкочастотный диапазон	30 – 15.000 кГц
Уровень	2 дБ

– Continued on next page –

XR-1800: AEP, UK Model/XR-1803

FM/MW/LW CASSETTE CAR STEREO

XR-1800: E Model

FM/AM CASSETTE CAR STEREO

XR-1804

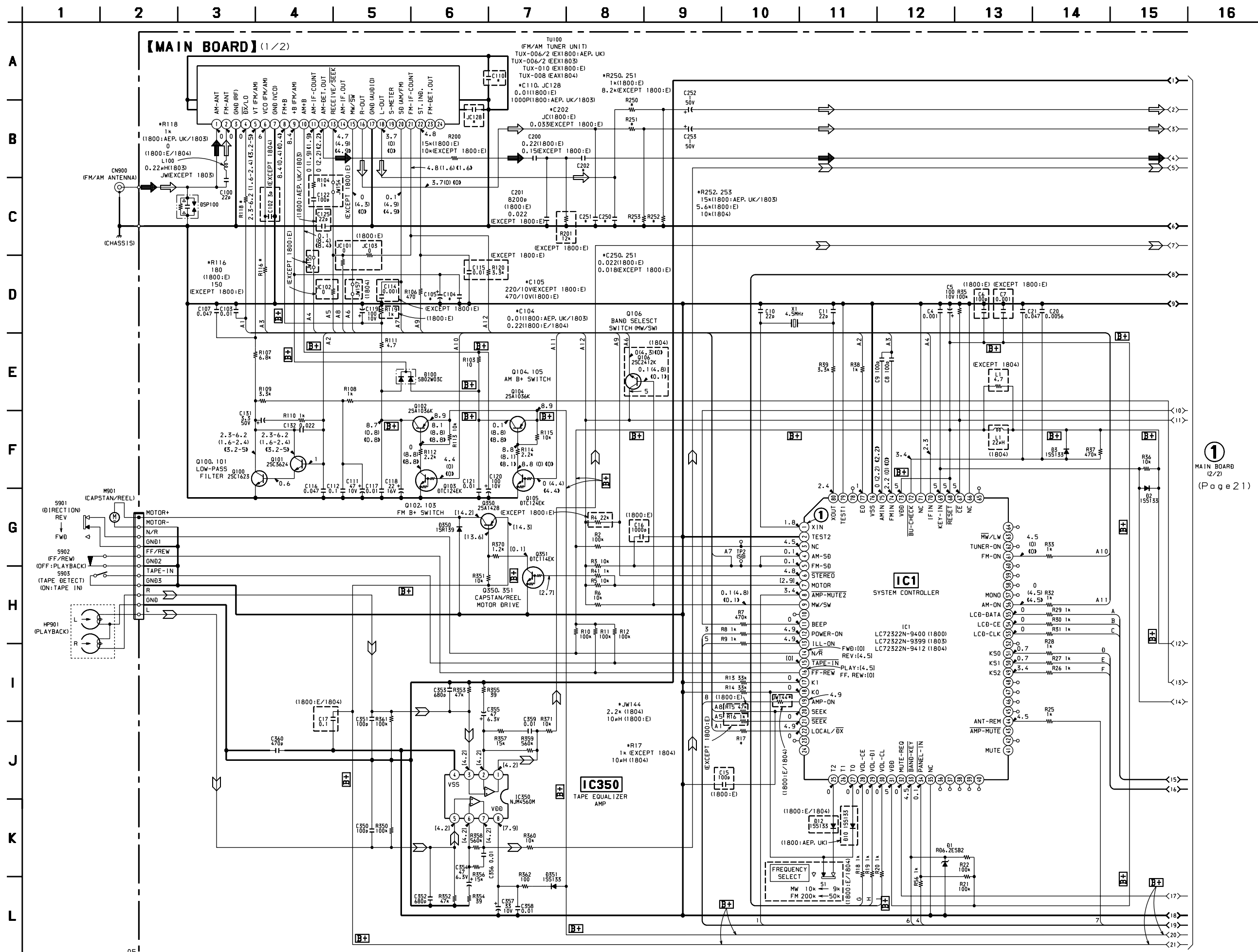
FM/MW/SW CASSETTE CAR STEREO



MICROFILM

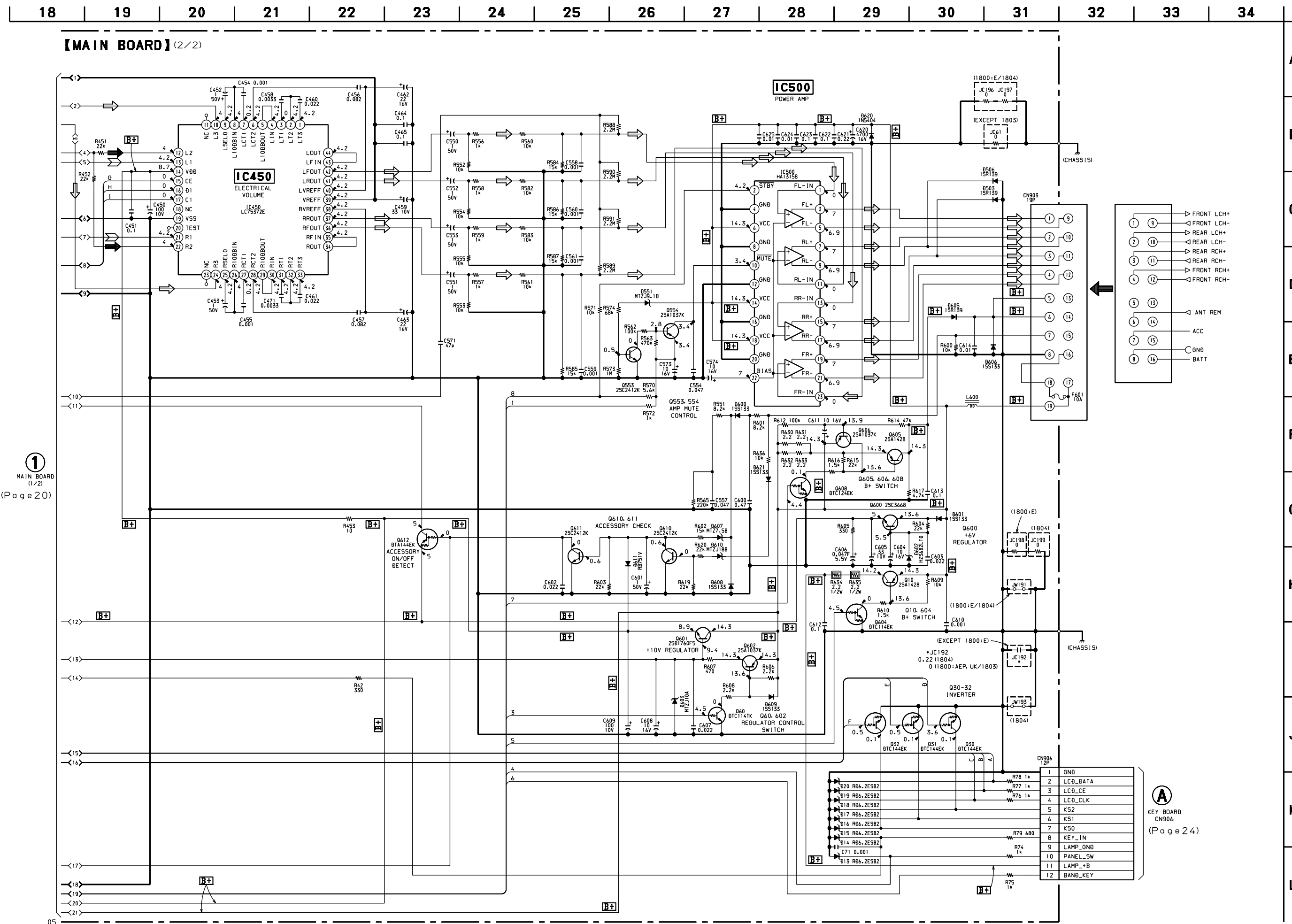
SONY®

5-4. SCHEMATIC DIAGRAM – MAIN Section (1/2) – • See page 16 for Waveform.



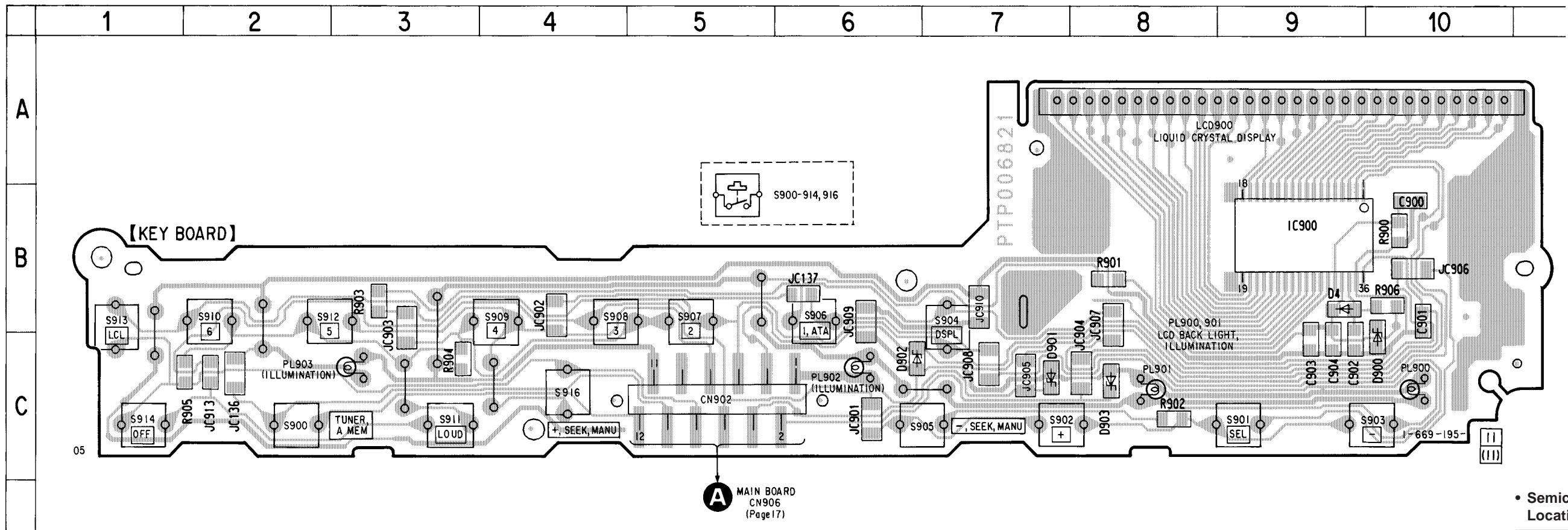
1 MAIN BOARD (2/2) (Page 21)

5-5. SCHEMATIC DIAGRAM – MAIN Section (2/2) – • See page 27 for IC Block Diagram.



1 MAIN BOARD (1/2) (Page 20)

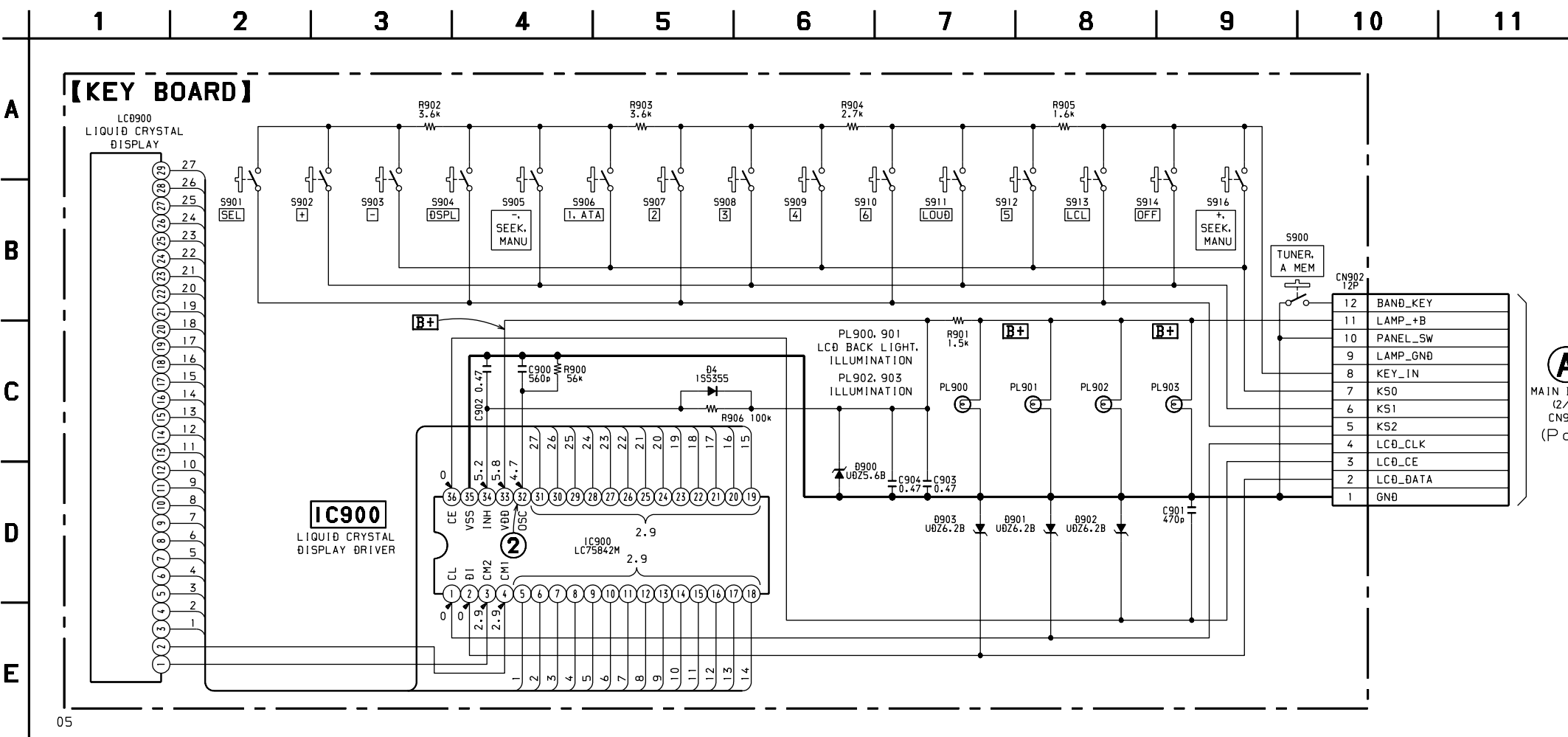
5-6. PRINTED WIRING BOARD - PANEL Section -



• Semiconductor Location

Ref. No.	Location
D4	B-9
D900	C-10
D901	C-7
D902	C-6
D903	C-8
IC900	B-9

5-7. SCHEMATIC DIAGRAM - PANEL Section -



• Waveform

② IC900 (OSC)

