SERVICE MANUAL & PARTS LIST (with price)

LCD VIDEO MONITOR

VM-570B

JUNE 1994

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CASIO®

POWER SUPPLY

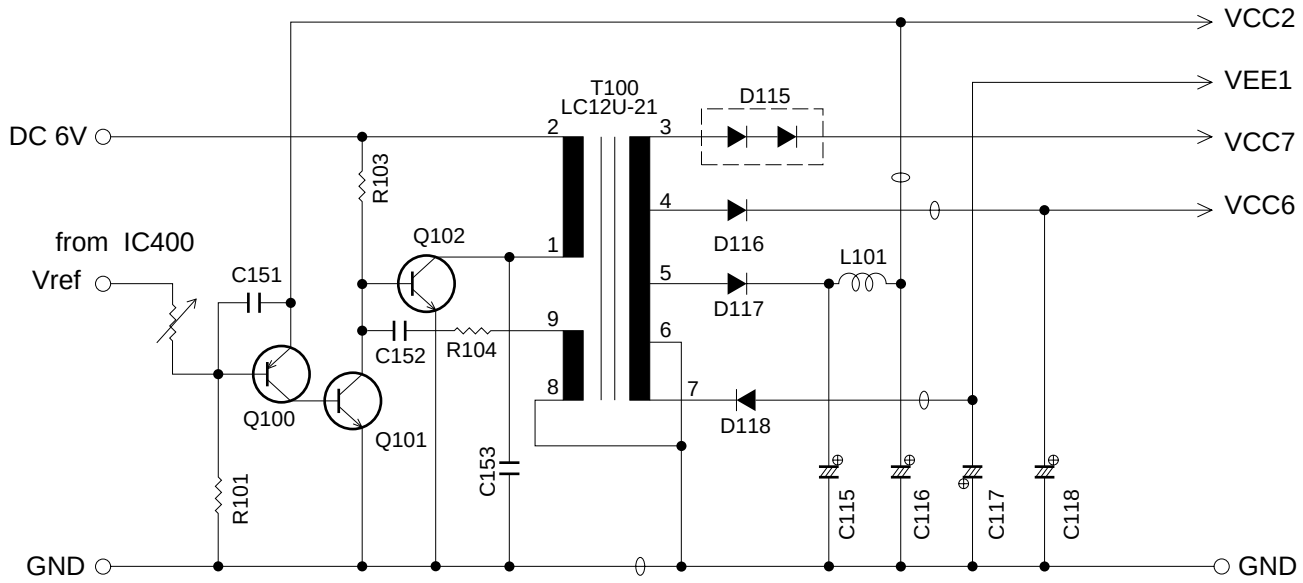


Fig. 3

The power supply consists of DC-DC converter, and causes the voltages to be output as shown in Table - 2.

Name	Voltage	Function
VCC2	4.0 ± 0.02V	Main voltage
VCC6	48.0 ~ 72.0V	Tuning voltage
VCC7	28.0 ~ 40.0V	Display voltage
VEE1	-8.4 ~ -5.6V	Display voltage

Table - 2

ADJUSTMENT

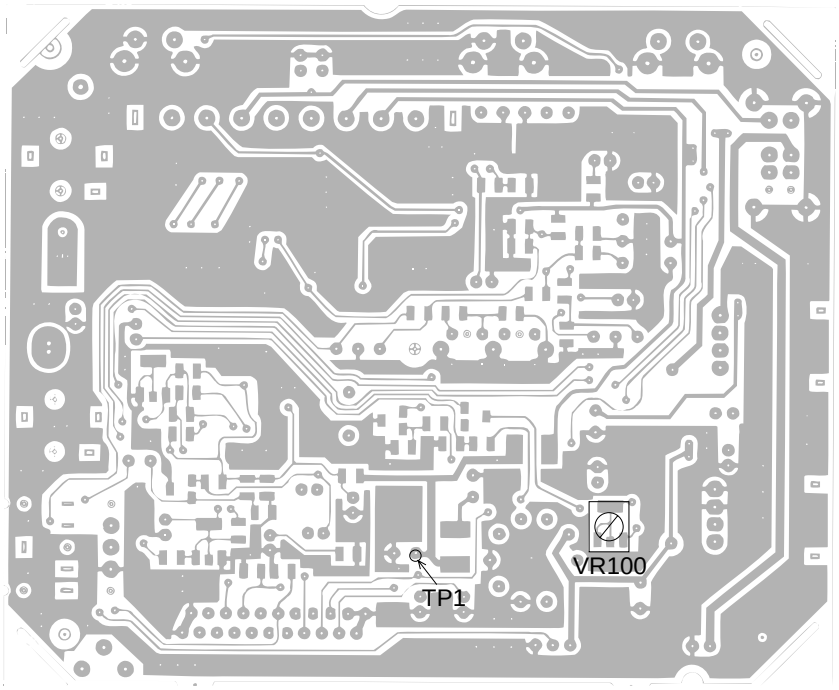
Linear PCB

1) Items to Be Adjusted:

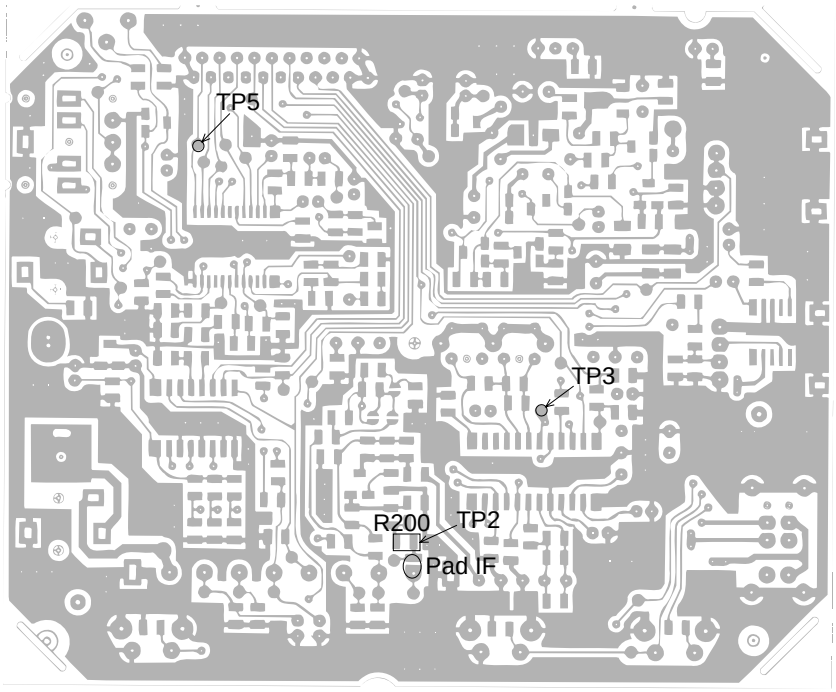
Item	Measuring Instrument
VCC2 voltage setting	Voltmeter
Contrast adjustment	TV signal generator, Pattern generator, Oscilloscope
AGC adjustment	TV signal generator, Pattern generator, IF levelmeter

2) Adjustment and Test Point Locations:

TOP VIEW

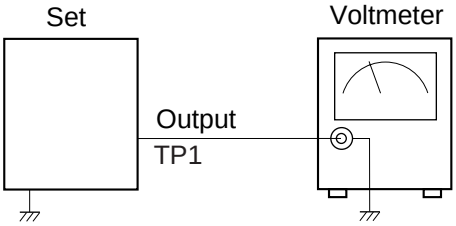


BOTTOM VIEW



3) Equipment Connection / Procedure

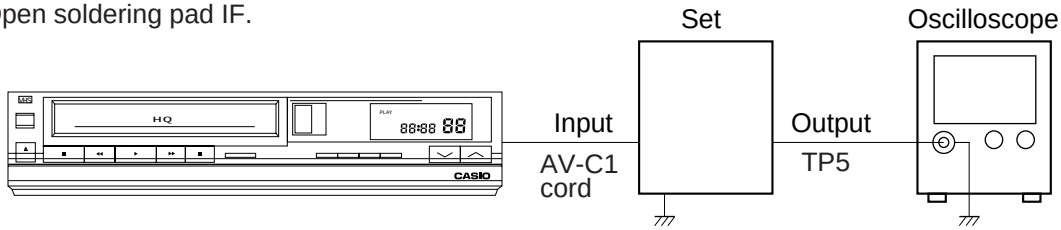
Vcc2 Voltage Setting



Input Connection	Input Point	Input Signal	Adjust	Output Connection	Output Point	Adjust for
————	——	————	VR100	Voltmeter	TP1	Adjust for 4.00 ± 0.02V reading on voltmeter.

Contrast Adjustment

* Open soldering pad IF.



VCR	AV Jack	Color bar	VR300	Oscilloscope	TP5	Adjust step form wave to read 0.8 ± 0.05 Vp-p.

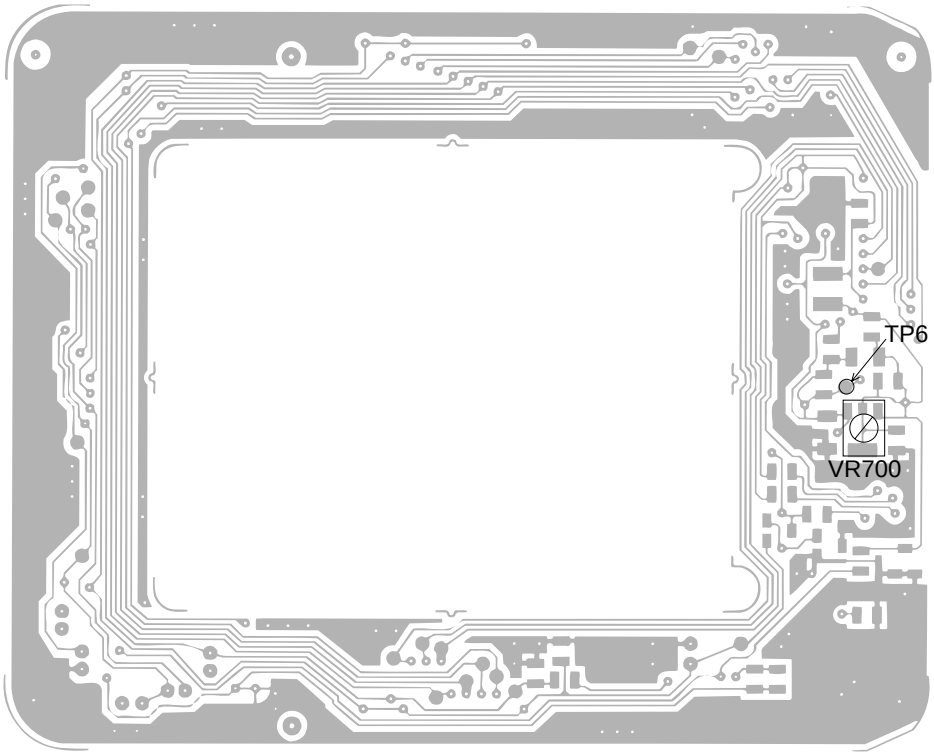
A/D PCB

1) Item to Be Adjusted:

Item	Measuring Instrument
Clock adjustment	Voltmeter

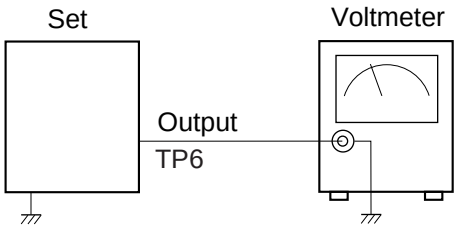
2) Adjustment and Test Point Locations:

TOP VIEW



3) Equipment Connection / Procedure

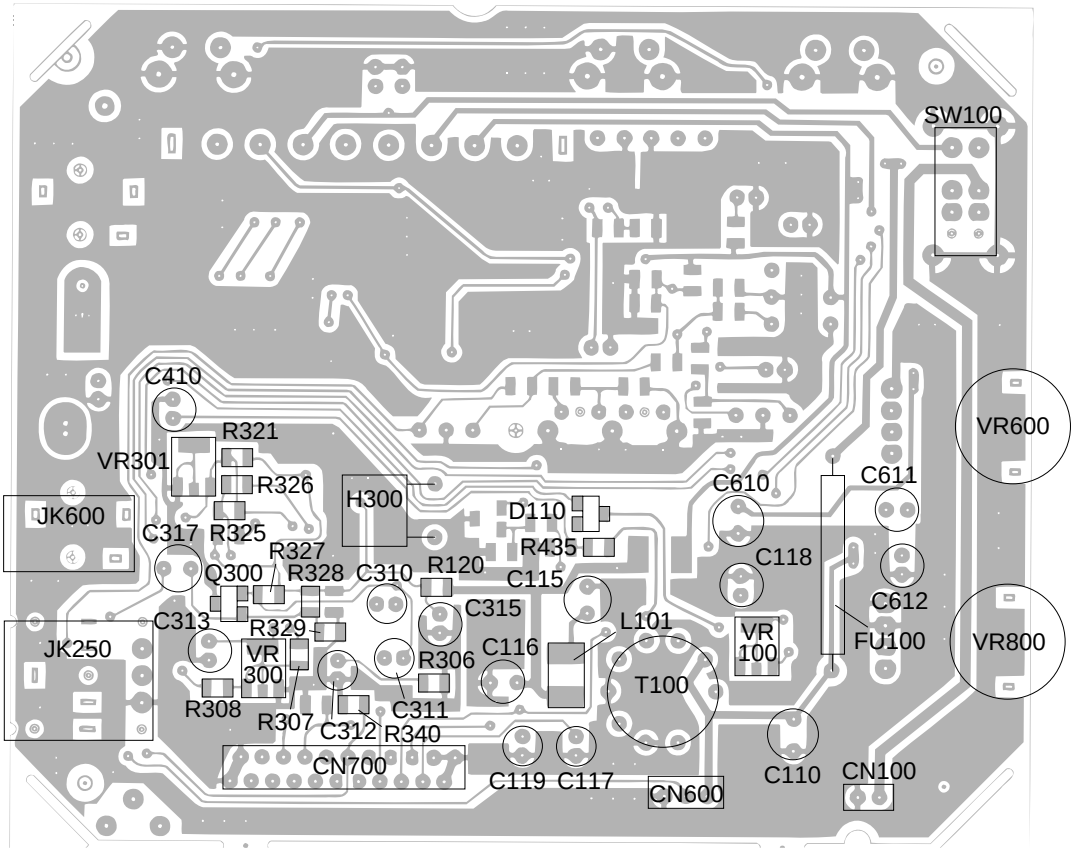
Clock Adjustment



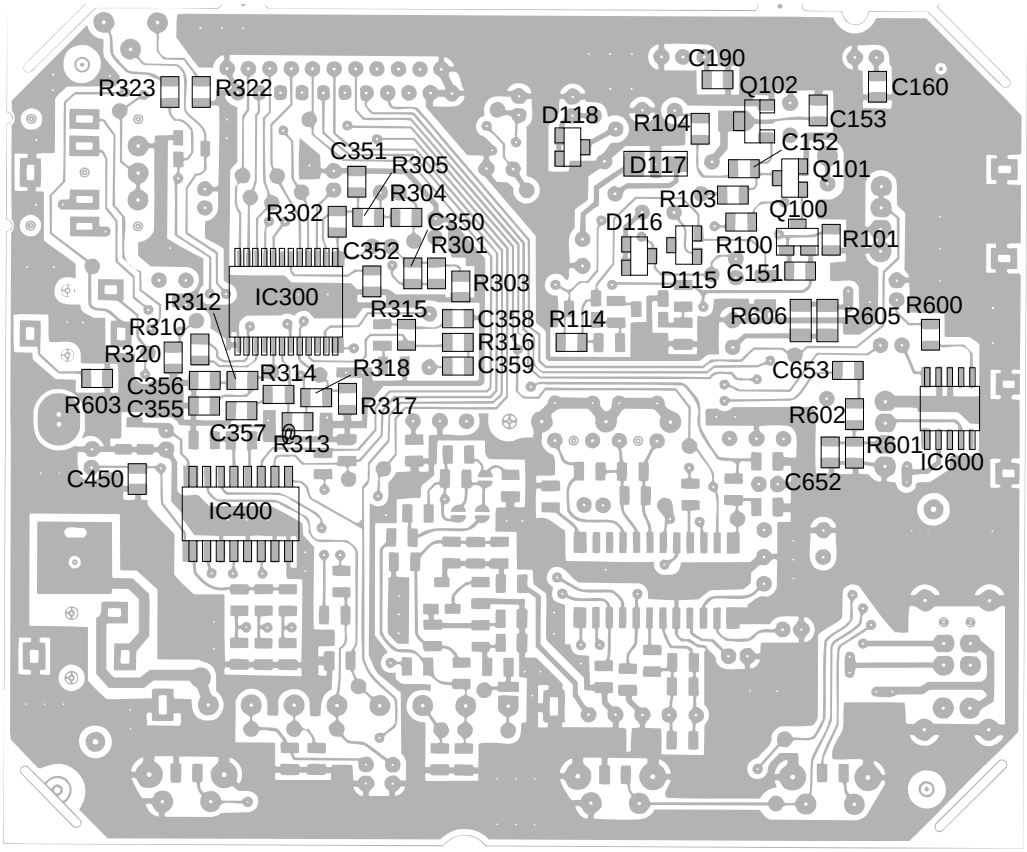
Input Connection	Input Point	Input Signal	Adjust	Output Connection	Output Point	Adjust for
———	——	———	VR700	Voltmeter	TP6	Adjust for 2.00 ± 0.05V reading on voltmeter.

PRINTED CIRCUIT BOARDS

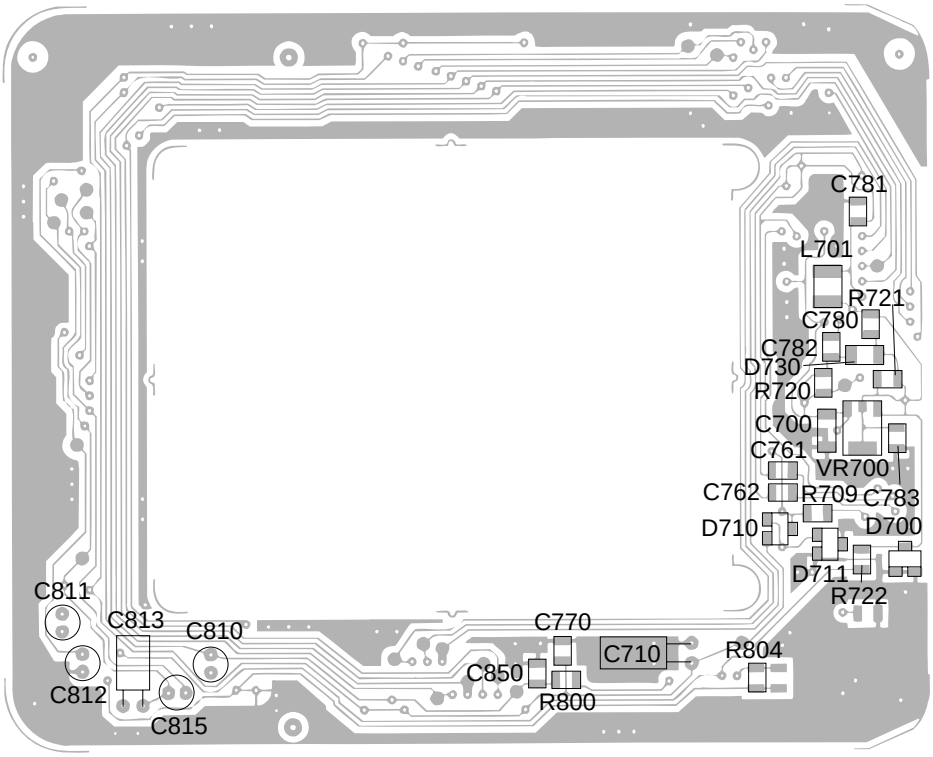
Linear PCB (Top View)



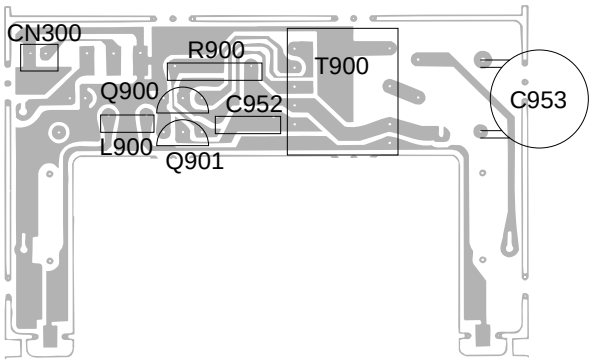
Linear PCB (Bottom View)



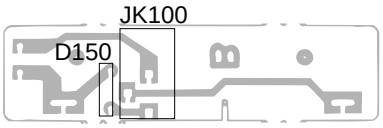
A/D PCB (Top View)



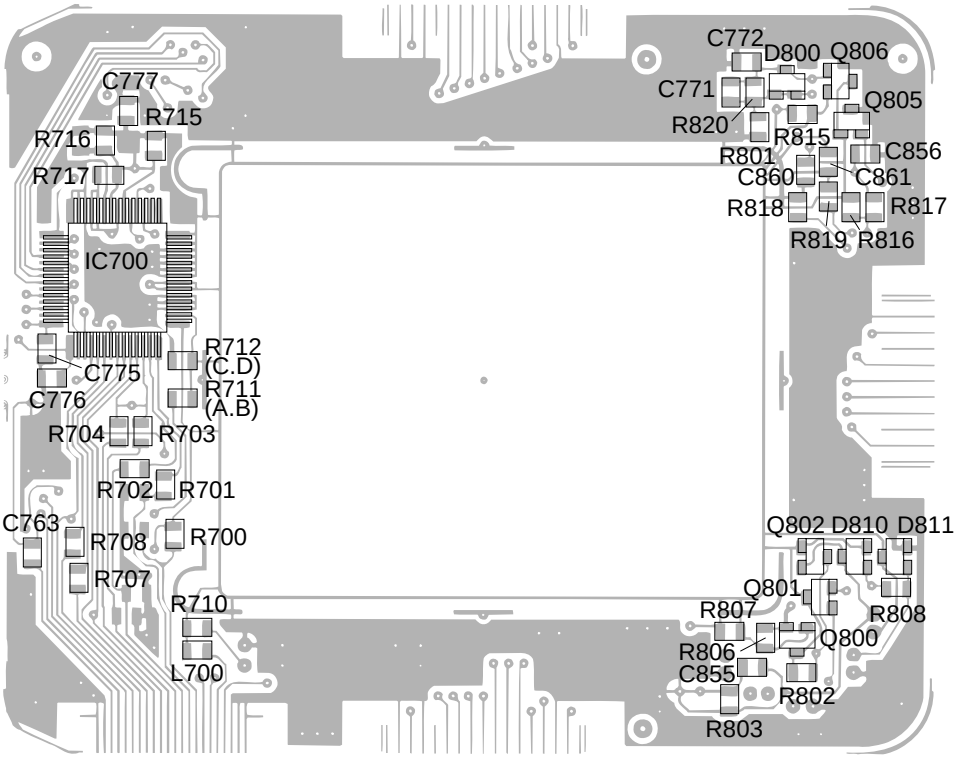
BL PCB (Top View)



DC PCB (Top View)

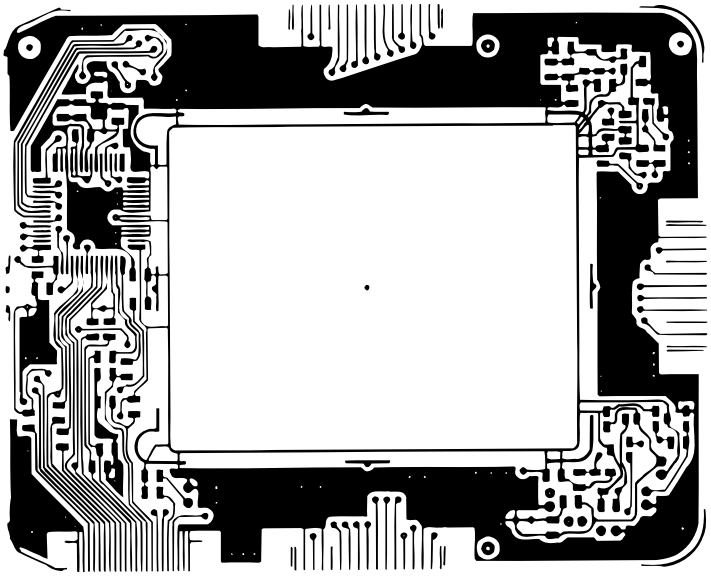


A/D PCB (Bottom View)



WIRING DIAGRAM

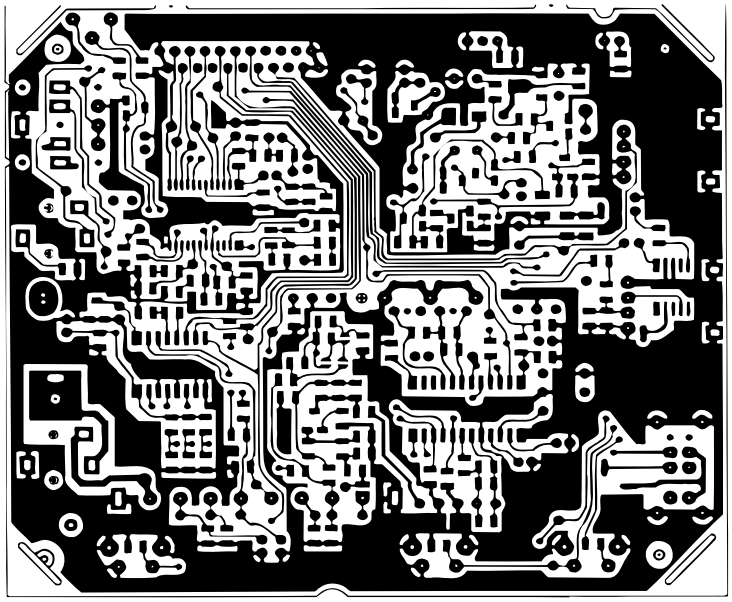
A/D PCB



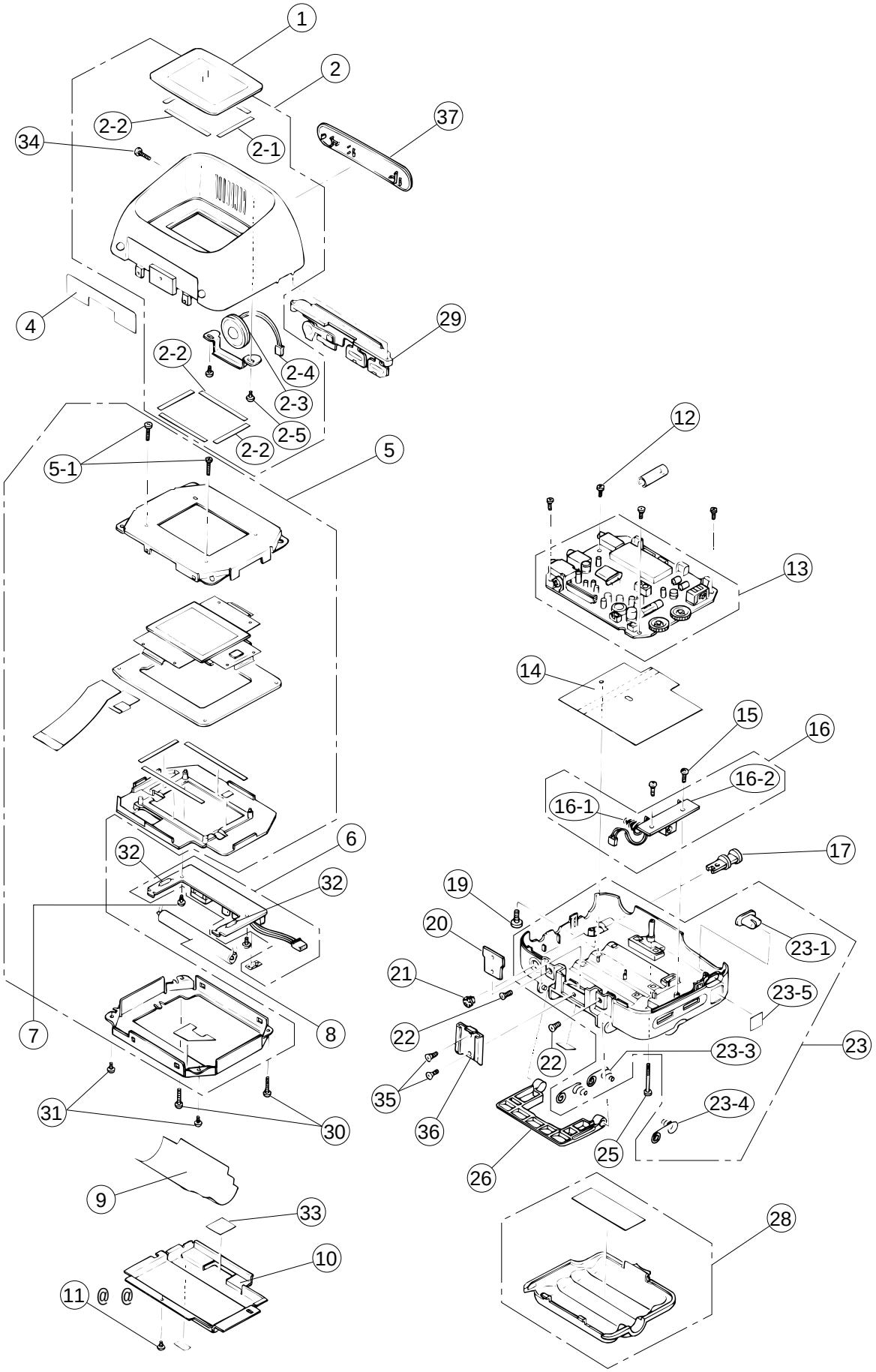
1 22

Linear PCB

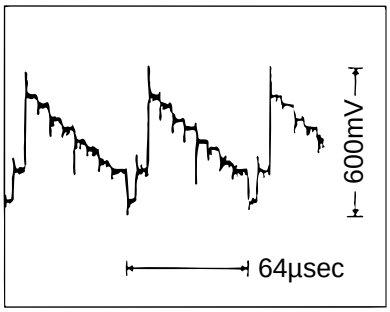
1 22



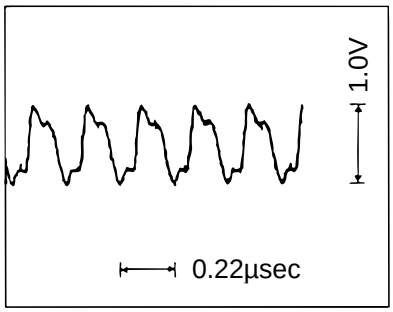
EXPLODED VIEW / DISASSEMBLY



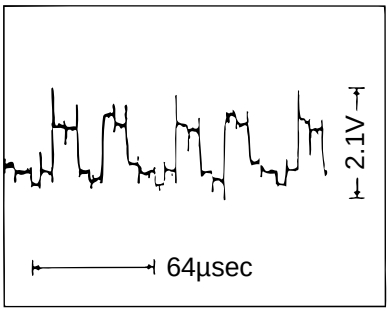
WAVEFORMS



① IC300 Pin 1

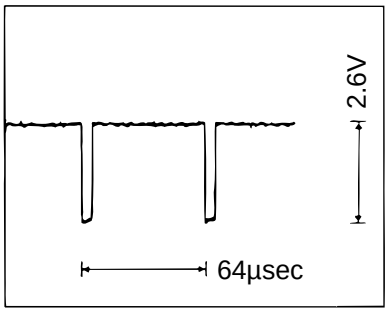


② IC300 Pin 23

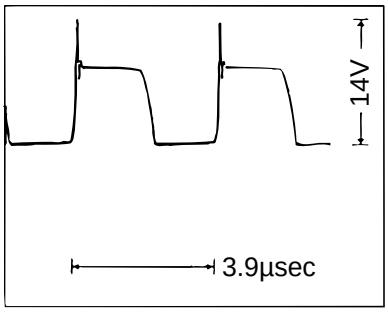


③ IC300 Pin 10, 11, 12

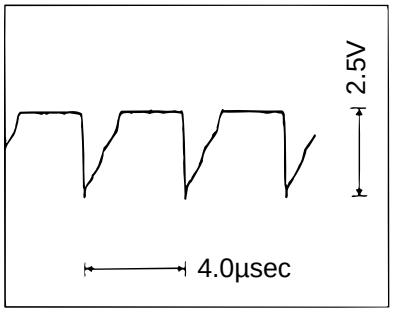
④ IC300 Pin 4



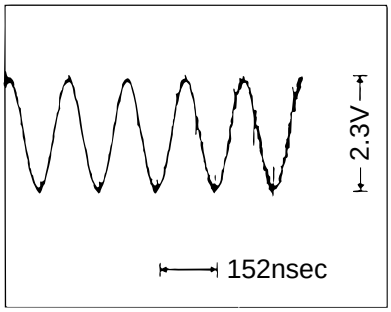
⑤ IC300 Pin 5



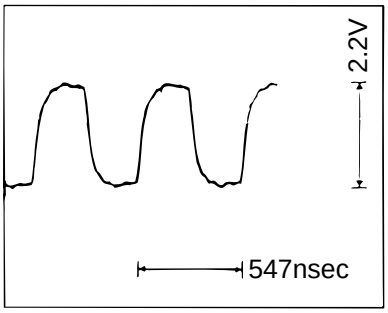
⑥ Q102 Collector



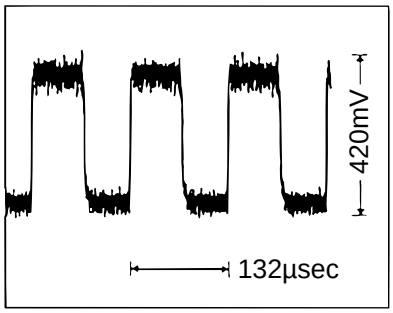
⑦ Q102 Base



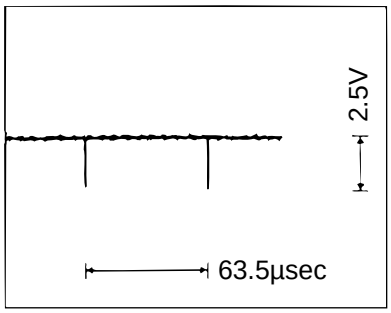
⑧ IC700 Pin 17



⑨ IC700 Pin 14



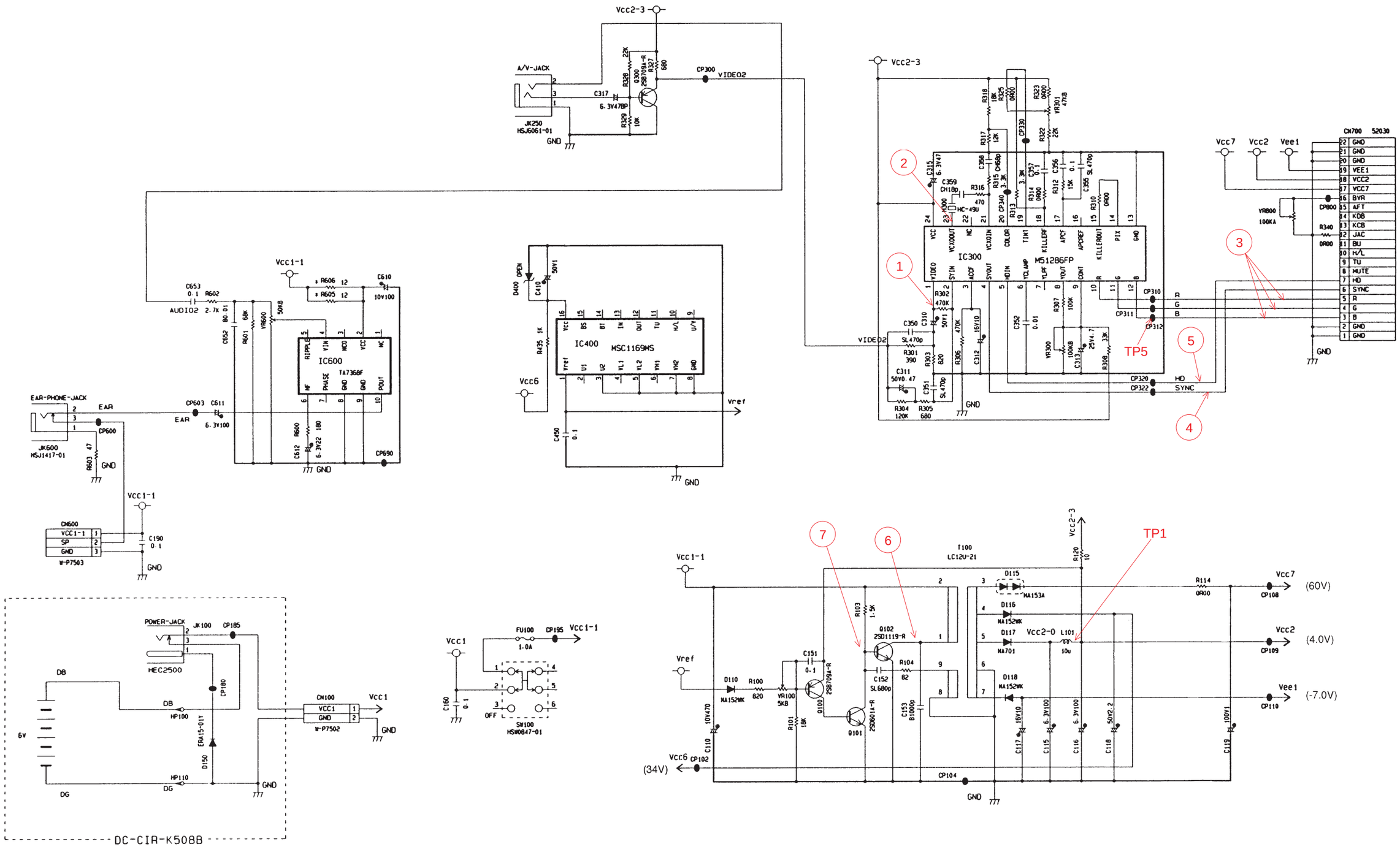
⑩ Q800 Base



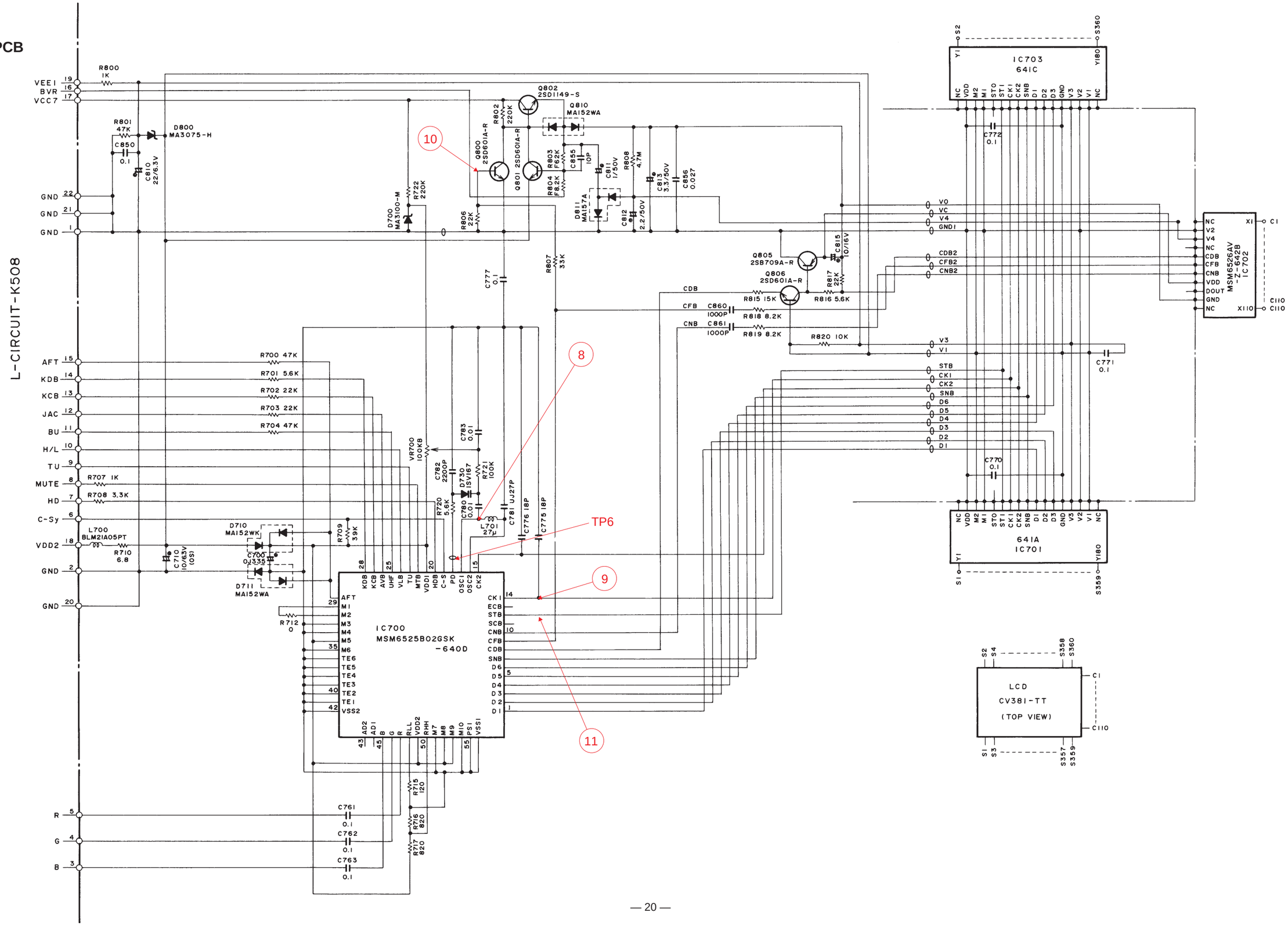
⑪ IC700 Pin 12

SCHEMATIC DIAGRAMS

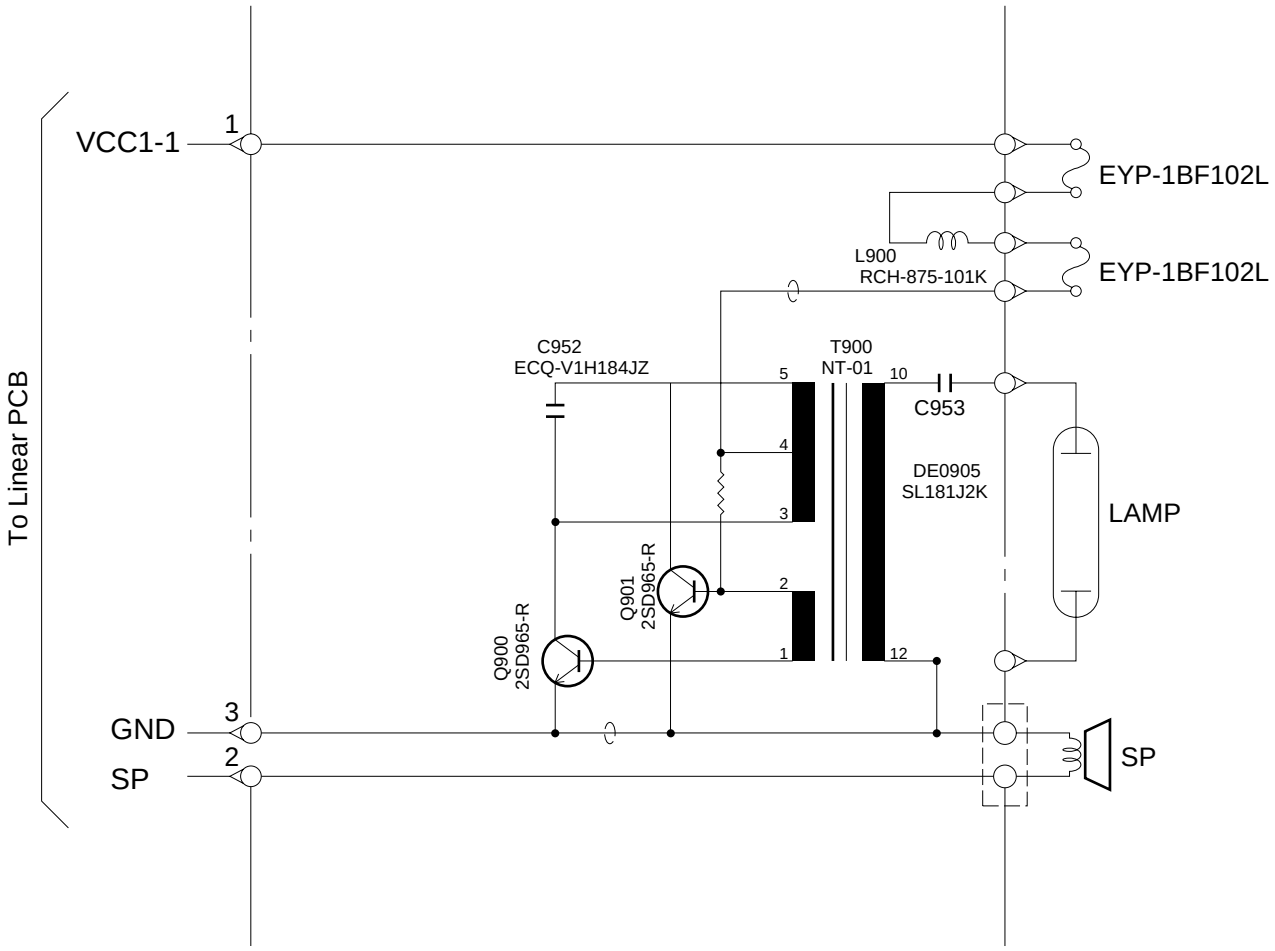
Linear PCB



A/D PCB


L-CIRCUIT-K508
VEE1
BVR
VCC7
GND
AFT
KDB
KCB
JAC
BU
H/L
TU
MUTE
HD
C-Sy
VDD2
R
G
B
R800 1K
R801 47K
C850 0.1
D800 MA3075-H
C810 22/6.3V
Q800 2SD601A-R
Q801 2SD601A-R
Q802 2SD1149-S
Q810 MA152WA
R802 220K
R803 F62K
R804 F8.2K
C855 10P
C811 1/50V
R808 4.7M
C813 3.3/50V
C856 0.027
D811 MA157A
C812 2.2/50V
R722 220K
D700 MA3100-M
R806 22K
R807 33K
C777 0.1
Q805 2SB709A-R
Q806 2SD601A-R
C815 10/16V
R817 22K
R815 15K
R816 5.6K
C860 1000P
C861 1000P
R818 8.2K
R819 8.2K
R820 10K
IC703 641C
C772 0.1
C771 0.1
C770 0.1
641A IC701
MSM6526AV -Z-642B IC702
LCD CV381-TT (TOP VIEW)
R700 47K
R701 5.6K
R702 22K
R703 22K
R704 47K
R707 1K
R708 3.3K
L700 BLM21A05PT
R710 6.8
C710 10/63V (OS)
D710 MA152WK
C700 0.1335
D711 MA152WA
R709 39K
R712 0
VR700 100KB
C783 0.01
C782 2200P
D730 1SV167
R721 100K
R720 5.6K
C780 0.01
L701 27μ
C781 0.1U27P
C776 18P
C775 18P
IC700 MSM6525B02GSK -640D
C761 0.1
C762 0.1
C763 0.1
R715 120
R716 820
R717 820
TP6
8
9
10
11

BL PCB


To Linear PCB
VCC1-1
1
GND
3
SP
2
EYP-1BF102L
EYP-1BF102L
L900
RCH-875-101K
C952
ECQ-V1H184JZ
T900
NT-01
5
4
3
2
1
10
12
C953
DE0905
SL181J2K
LAMP
Q901
2SD965-R
Q900
2SD965-R
SP