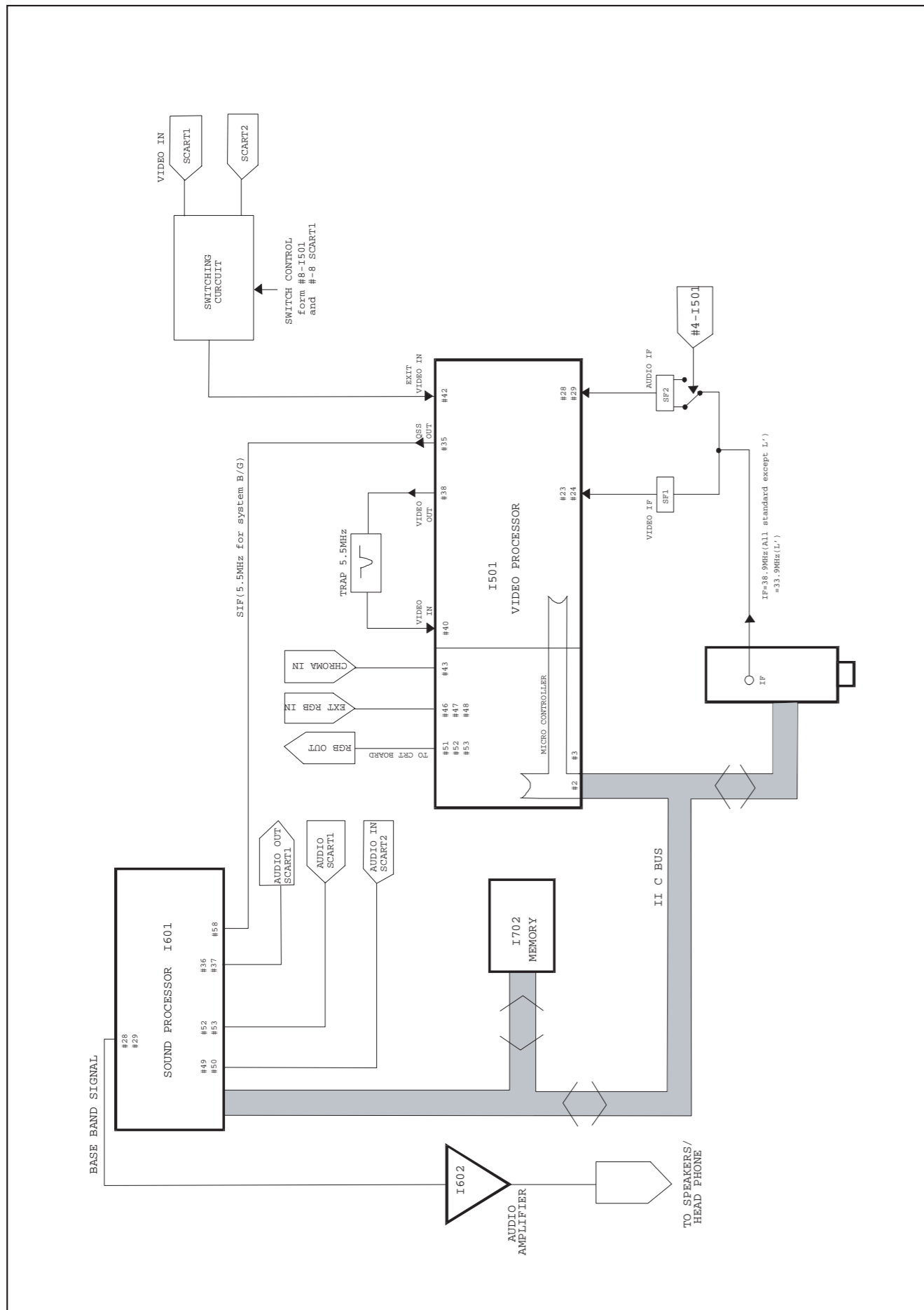


BLOCK DIAGRAM



**AV-28BD5EKI / AV-28BD5EP / AV-28BD5EE
 AV-28BD5EKIS / AV-28BD5EPS / AV-28BD5EES**

STANDARD CIRCUIT DIAGRAM

NOTE :

1. RESISTANCE IS SHOWN IN OHM. K=1000, M=1000000
2. UNLESS OTHERWISE NOTED IN SCHEMATIC ALL CAPACITOR VALUES ARE EXPRESSED IN μF
3. VOLTAGES READ WITH "VTVM" FROM POINT INDICATED TO CHASSIS GROUND USING A COLOR BAR SIGNAL WITH ALL CONTROLS AT NORMAL LINE 230V AC VOLTAGE READINGS SHOWN ARE NORMAL VALUES AND MAY VARY +20% EXCEPT H.V
4. THIS CIRCUIT DIAGRAM IS A STANDARD ONE CIRCUIT PRINTED MAY BE SUBJECT TO CHANGE FOR PRODUCT IMPROVEMENT WITHOUT PRIOR NOTICE.

WARNING :

BEFORE SERVICING THE CHASSIS, READ "X-RAY RADIATION", "SAFETY PRECAUTION", AND "PRODUCT SAFETY NOTICE" IN SERVICE MANUAL.

PRODUCT SAFETY NOTE :

COMPONENTS MARKED WITH Δ ARE IMPORTANT FOR MAINTAINING. THE SAFETY OF THE SET AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL OR SPECIFIED ONE IN THE PARTS LIST. DON'T DEGRADE THE SAFETY THROUGH IMPROPER SERVICING.

CAUTION TO SERVICE TECHNICIANS :

BEFORE RETURNING THE RECEIVER TO CUSTOMER, LEAKAGE CURRENT OR RESISTANCE MEASUREMENTS SHOULD BE PERFORMED TO DETERMINE THAT EXPOSED PARTS ARE PROPERLY INSULATED FROM THE SUPPLY CIRCUIT.

RESISTOR

CARBON FILM	$\sim\sim\sim$
R M-OXIDE	$\sim\sim\sim$ (M)
CARBON COMP	$\sim\sim\sim$ (CC)
FUSIBLE	$\sim\sim\sim$ (F)
CEMENT	$\sim\sim\sim$ (C)

CAPACITOR

ELECTRO	$\sim\sim\sim$
CERAMIC	$\sim\sim\sim$
CERAMIC CH	$\sim\sim\sim$ (CH)
ELECTRO NONPOLAR	$\sim\sim\sim$ (NP)
MYLAR	$\sim\sim\sim$ (M)

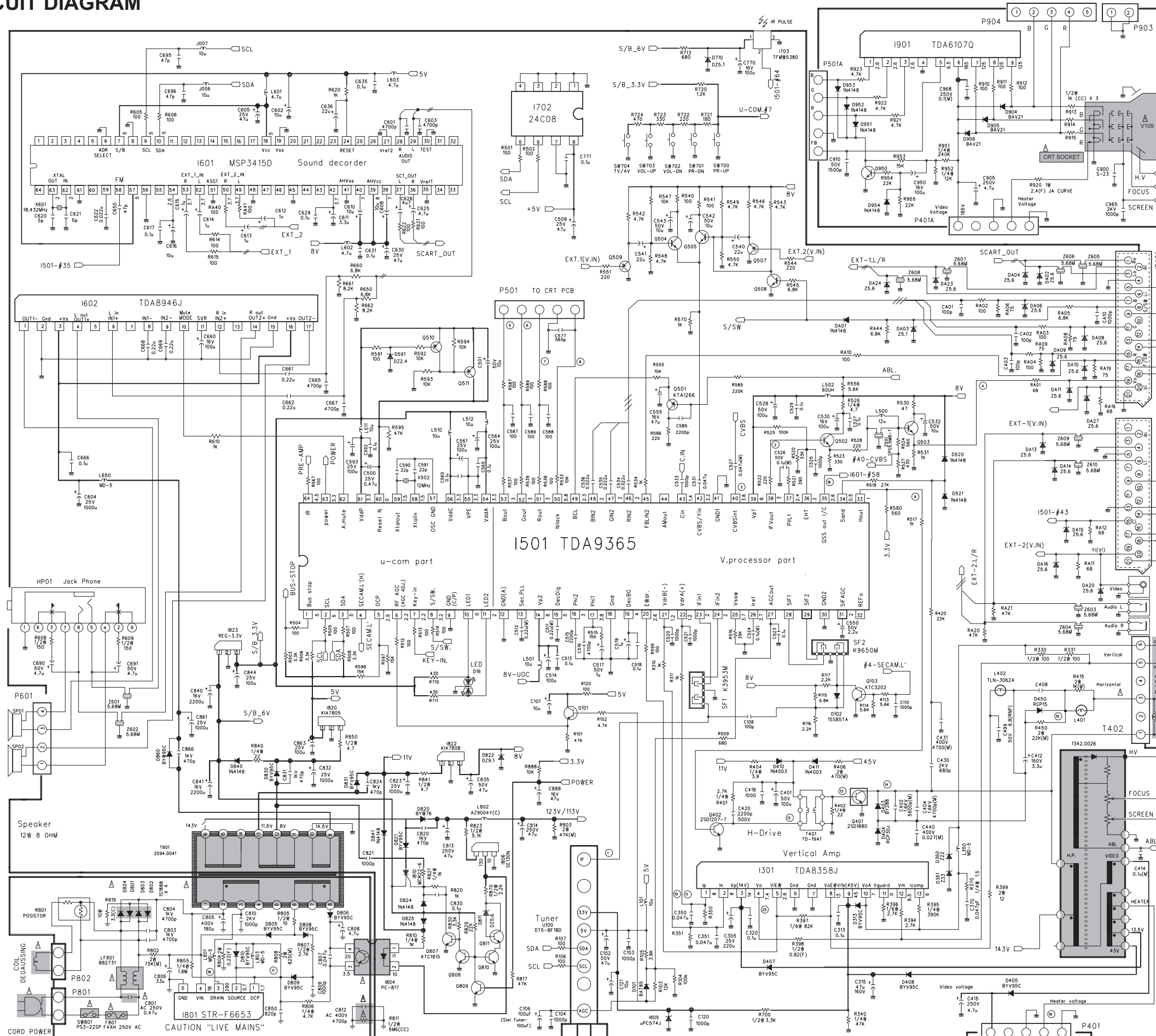
COIL

PEAKING	$\sim\sim\sim$
CHOKE	$\sim\sim\sim$ (C)
BEAD	$\sim\sim\sim$ (B)

CONTENTS

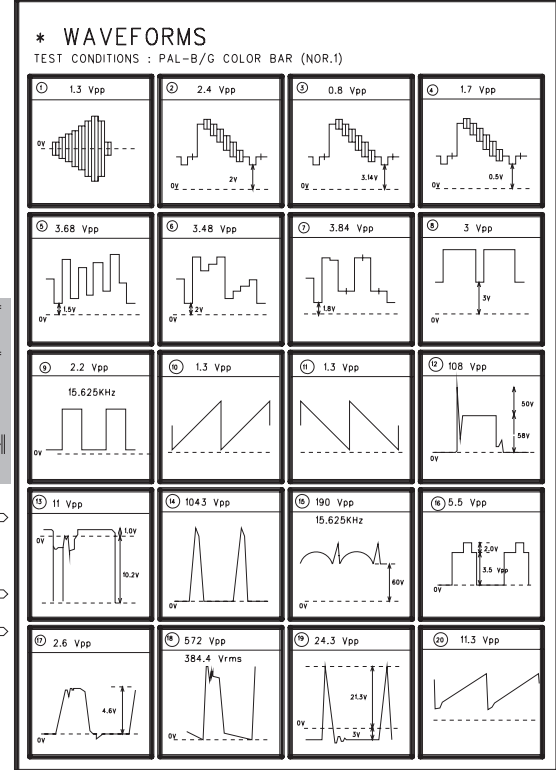
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CIRCUIT DIAGRAM



THE DIFFERENT PARTS FOR CRT

LOC.	28" PHILIPS	28" VIDEO COLOR	28" TESLA
Y901	A86K071X1	A86CY13X11	A86M243X07
C408	400V 0.27u (M)	400V 0.3u (M)	
L401	TRL-350		TRL-4000
R350	2K (1s)	1.2K (1s)	2K (1s)
R351	2K (1s)	1.2K (1s)	2K (1s)
R920	1W 2.4 JA (F)	1W 1 JA (F)	1W 2.4 JA (F)

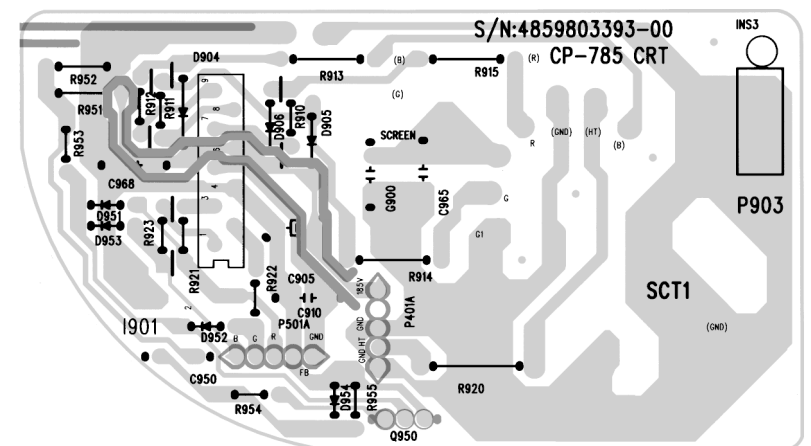
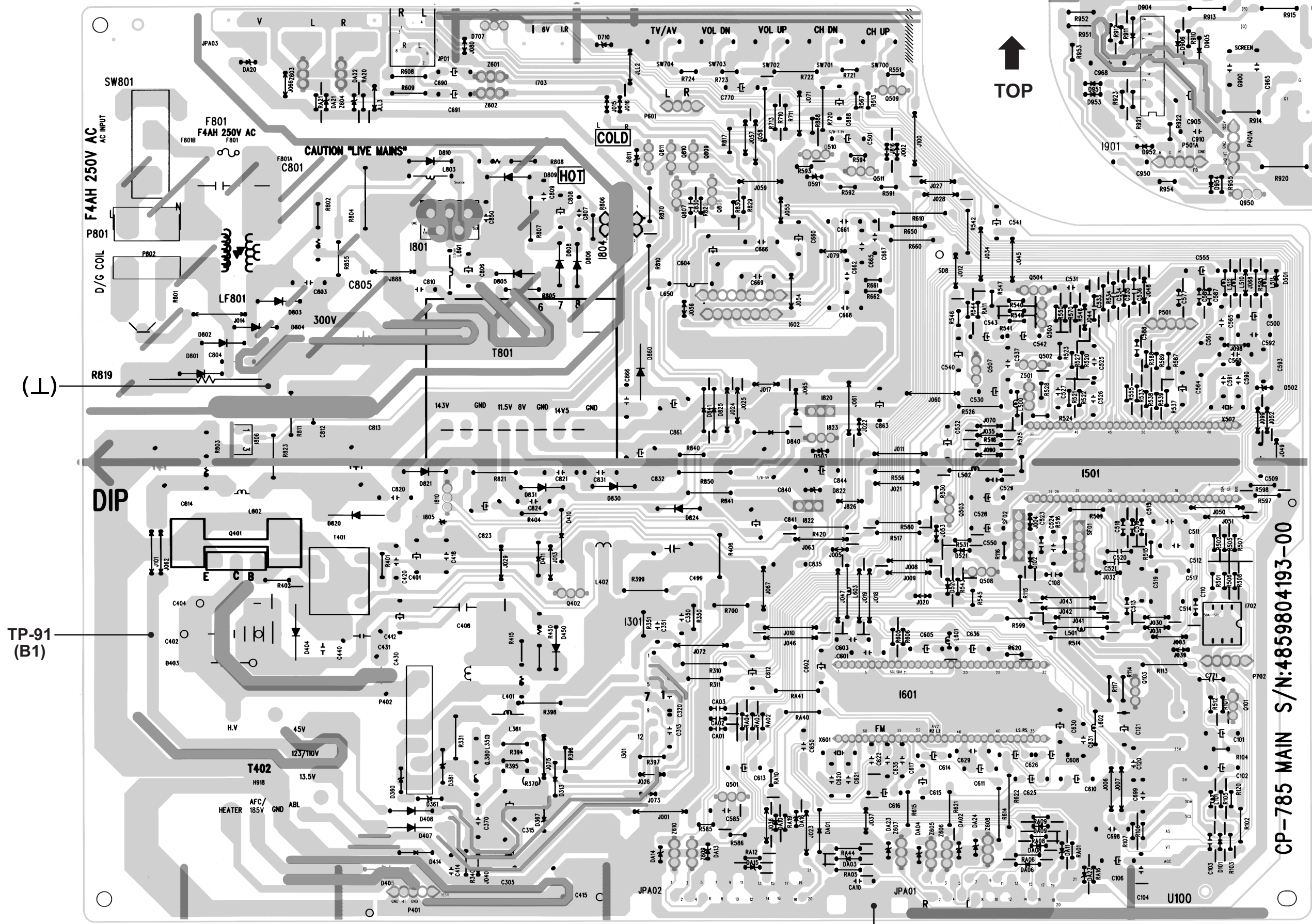


PATTERN DIAGRAMS

FRONT

CRT SOCKET PWB PATTERN

TOP



(T)

TP-91 (B1)

CP-785 MAIN S/N:4859804193-00

(77)