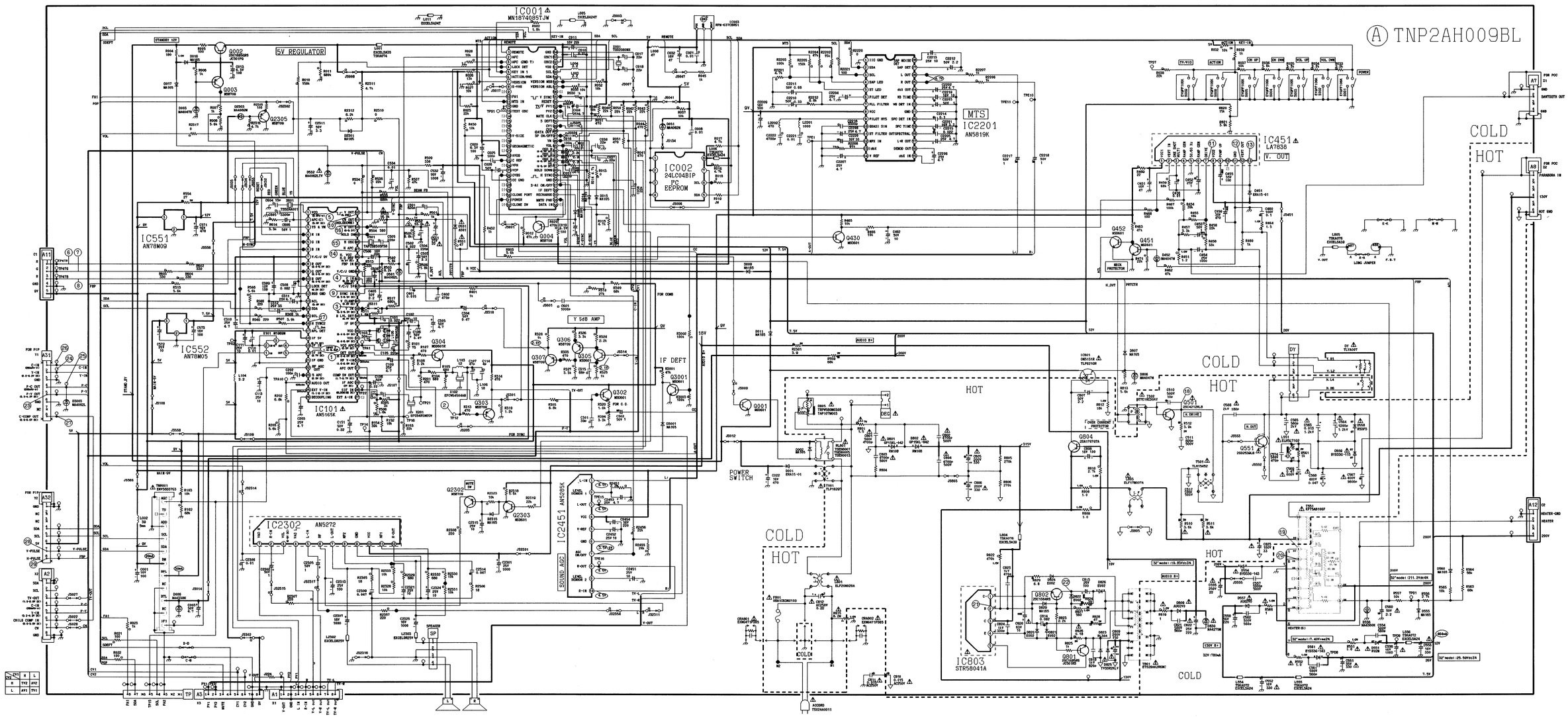
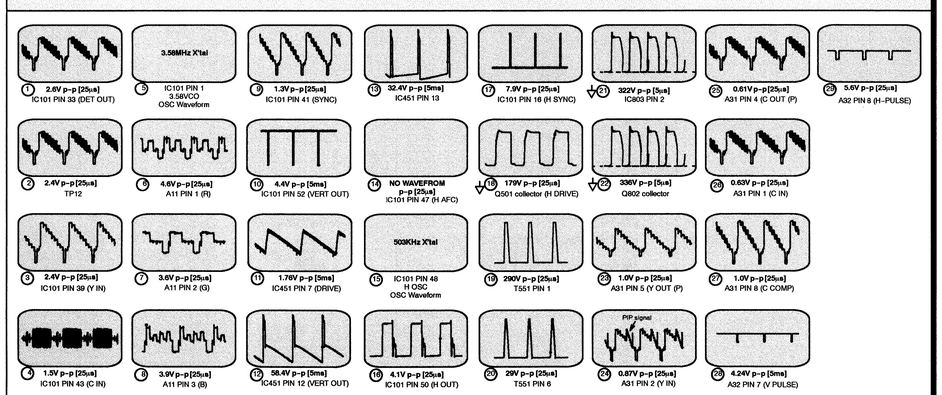
A-Board Schematic
CT-32G23W/UW/CW



Waveforms – A-Board



IC001			
01	5.13	33	0.00
02	2.48	34	5.12
03	0.00	35	5.15
04	3.44	36	0.00
05	5.14	37	5.13
06	2.63	38	0.00
07	2.24	39	0.16
08	0.00	40	4.16
09	0.00	41	0.02
10	5.14	42	0.00
11	4.45	43	0.00
12	0.00	44	0.00
13	2.57	45	1.26
14	0.00	46	0.00
15	0.00	47	0.07
16	0.00	48	0.00
17	0.00	49	0.00
18	0.35	50	0.07
19	0.00	51	0.00
20	0.00	52	0.00
21	0.00	53	0.00
22	5.15	54	** 4.97
23	-0.06	55	4.07
24	1.90	56	0.00
25	1.37	57	0.00
26	1.97	58	5.15
27	0.00	59	3.65
28	0.00	60	3.67
29	0.00	61	5.15
30	0.00	62	2.54
31	5.10	63	2.36
32	0.00	64	0.00

IC101			
01	2.90	27	4.31
02	5.62	28	3.19
03	0.00	29	2.61
04	0.01	30	2.97
05	0.01	31	5.26
06	0.01	32	2.05
07	8.84	33	2.77
08	3.53	34	2.61
09	3.44	35	3.35
10	3.50	36	3.35
11	4.19	37	8.83
12	0.00	38	3.93
13	3.55	39	4.15
14	3.72	40	2.82
15	3.67	41	4.23
16	0.28	42	4.90
17	3.44	43	4.38
18	4.90	44	0.00
19	2.72	45	0.35
20	2.72	46	6.13
21	0.00	47	4.13
22	2.58	48	2.22
23	5.59	49	5.41
24	4.29	50	0.89
25	1.70	51	6.22
26	6.06	52	4.03

IC551		IC552	
01	12.72	01	8.53
02	0.00	02	0.00
03	8.97	03	4.97

** WARNING
CRT may shut off when probing pin. Shut Receiver off and turn back on to continue testing

Voltage Measurements A-Board

IC002	
01	0.00
02	0.00
03	0.00
04	4.35
05	4.41
06	0.00
07	5.14
08	0.00

IC451	
01	8.75
02	4.10
03	4.37
04	4.46
05	0.00
06	4.37
07	4.12
08	28.30
09	2.38
10	1.36
11	0.00
12	17.10
13	29.20

IC2201			
01	0.00	15	3.82
02	4.35	16	4.45
03	4.40	17	4.52
04	2.10	18	4.55
05	0.08	19	0.65
06	4.63	20	4.65
07	2.96	21	0.00
08	8.88	22	4.62
09	4.39	23	0.63
10	4.47	24	4.29
11	4.48	25	4.46
12	4.34	26	4.42
13	3.03	27	5.03
14	4.47	28	6.36

IC2301	
01	6.03
02	6.74
03	2.49
04	5.97
05	6.75
06	16.30
07	9.84
08	10.02
09	0.00
10	21.20
11	9.90
12	9.66

IC2451	
01	4.42
02	1.54
03	4.46
04	8.84
05	4.48
06	0.00
07	2.72
08	4.47
09	2.13
10	4.42

IC801	
01	0.62
02	0.00
03	0.00
04	12.17

IC803	
01	0.00
02	0.17
03	3.07
04	0.00
05	132.0

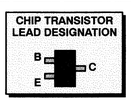
IC003	
01	5.03
02	0.00
03	5.03

	Q001	Q002	Q003	Q004	Q302	Q303	Q304	Q305
B	0.75	5.83	4.94	5.08	3.09	1.13	3.07	1.72
C	0.08	10.74	5.80	0.00	8.86	0.00	8.86	6.55
E	0.00	5.14	5.83	5.04	2.34	1.83	2.21	1.10

	Q306	Q307	Q430	Q451	Q452	Q501	Q551	Q801
B	6.54	1.88	0.36	0.00	0.16	0.00	0.00	0.35
C	1.87	0.00	3.08	2.52	0.11	88.70	129.20	130.70
E	7.14	2.55	0.00	0.00	0.00	0.00	0.00	0.30

	Q802	Q804	Q2302	Q2303	Q2305	Q3001
B	0.00	130.00	21.18	0.08	4.52	0.00
C	0.28	0.64	0.00	21.20	0.00	8.83
E	0.44	130.00	16.31	0.00	2.50	0.00

CHIP TRANSISTOR LEAD DESIGNATION



IMPORTANT SAFETY NOTICE
THIS SCHEMATIC DIAGRAM INCORPORATES SPECIAL FEATURES THAT ARE IMPORTANT FOR PROTECTION FROM X-RADIATION, FIRE AND ELECTRICAL SHOCK HAZARDS. WHEN SERVICING IT IS ESSENTIAL THAT ONLY MANUFACTURERS SPECIFIED PARTS BE USED FOR THE CRITICAL COMPONENTS DESIGNATED WITH A ⚠ IN THE SCHEMATIC.

Board Index
A-Board – Main Chassis
C-Board – CRT Board
GM-Board – GM Coil Drive (35/36" Models Only)
X-Board – AV SW, Comb Filter
Y-Board – PIP Processing
Z-Board – Pincushion Board

MTC0804761C1

Sheet 1 of 3
Side B

A-Board Schematic
CT-32G23W/UW/CW

CT-35G23W, CT-36G23W/UW/CW, CT-32G23W/UW/CW, & SF32319W/UW