

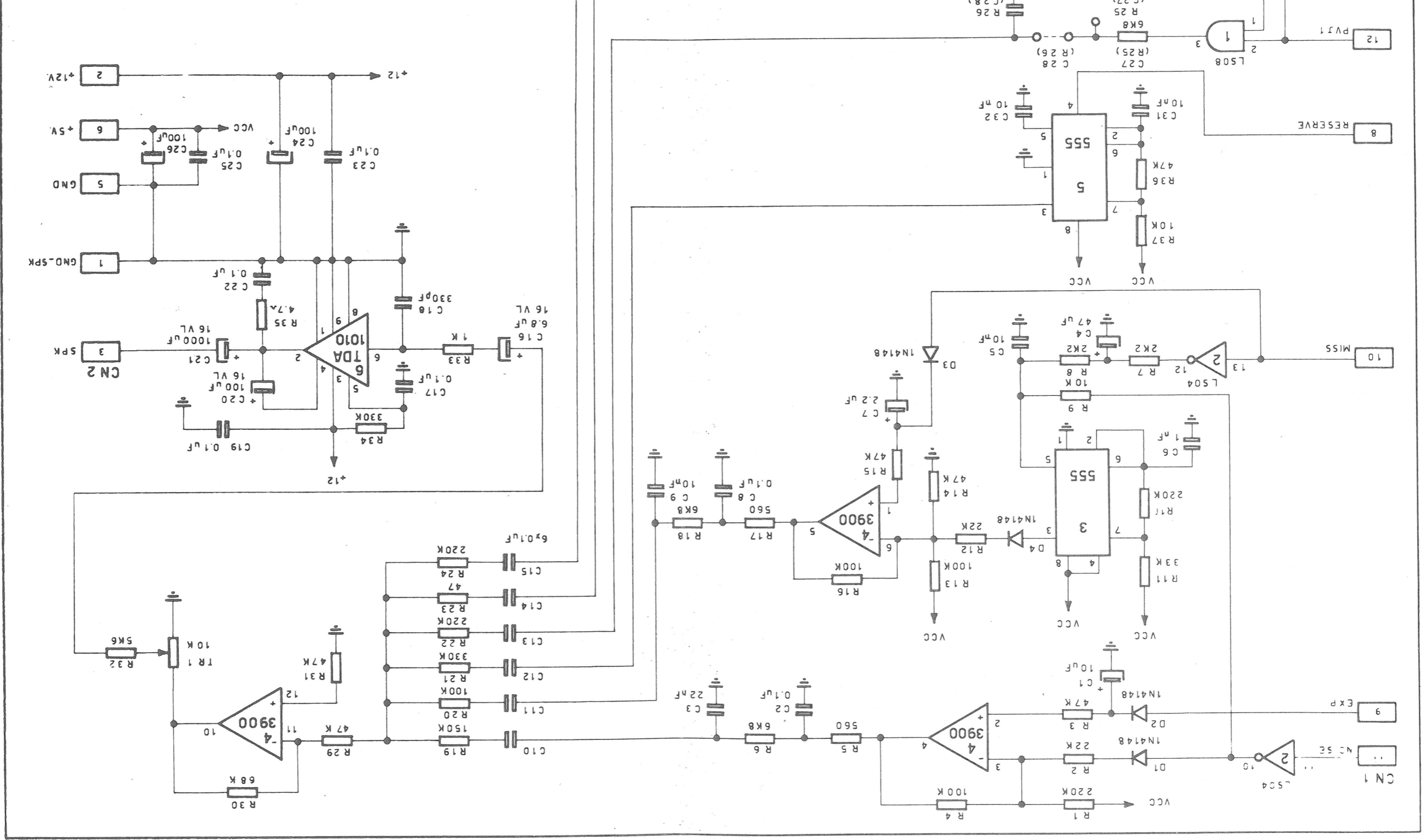
ITEM NO.	PART Designation	CODE Part NO.	DESCRIPTION	REQ'D NO.				
1	PC 1	CE 2073	Printed Circuit 1B 1130	1	27	2F-3F	CE 1227	MOS.-I.C. 256 x 4 RAM 2101-1N 2
2	1G-1H-2H-8N 9M-10M-12D-13D	CE 1134	TTL.-L.S. I.C. Quad NAND GATE 74LS00	8	28	13F-13G	CE 1482	MOS.-I.C. 1024x 1 RAM 2112-A4 2
3	6N-10N-10.O- 11E-12M-11.O	CE 1143	TTL.-L.S. I.C. Quad NOR GATE 74LS02	6	29	1C-2C-3C	CE 1661	MOS.-I.C. 1024x 4 RAM 2114-A4 3
4	13A	CE 1647	TTL.-S. I.C. Hex Inverter 74S04	1	30	5M	CE 1055	C-MOS.-I.C. Hex Driver 3-state 40097 1
5	1I-3I-11M-11C 2G	CE 1133	TTL.-L.S. I.C. Hex Inverter 74LS04	5	31	1D	RE 085	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°1D) 1
6	12.O-13M-13.O	CE 1526	TTL.- I.C. Hex Inverter Driver O.C. 7406	3	32	3D	RE 086	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°3D) 1
7	4L-5L-10A-10B 11A-11B	CE 1145	TTL.-L.S. I.C. Quad AND GATE 74LS08	6	33	8H	RE 087	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°8H) 1
8	2I-8C-9N	CE 1146	TTL.-L.S. I.C. Triple NAND GATE 74LS10	3	34	8I	RE 088	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°8I) 1
9	3H-7.O-5B	CE 1669	TTL.-L.S. I.C. NAND GATE 74LS30	3	35	10H	RE 089	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°10H) 1
10	7M	CE 1322	TTL.-L.S. I.C. Quad EX.OR GATE 74LS86	1	36	10I	RE 090	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°10I) 1
11	13C	CE 1177	TTL.-L.S. I.C. Hex S.T. Inverter 74LS14	1	37	11H	RE 091	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°11H) 1
12	1F-6.O-10C	CE 1141	TTL.-L.S. I.C. D-Type F.F. 74LS74	3	38	11I	RE 092	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°11I) 1
13	3G-6M	CE 1670	TTL.-L.S. I.C. Dual 2 To 4 Decoder 74LS139	2	39	11L	RE 093	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°11L) 1
14	5H	CE 1432	TTL.-L.S. I.C. 3 To 8 line Decoder 74LS155	1	40	13H	RE 094	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°13H) 1
15	5H-5I	CE 1432	TTL.-L.S. I.C. 3 To 8 line Decoder 74LS156	2	41	13I	RE 095	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°13I) 1
16	4C-4F-5C-5D- 5F	CE 1433	TTL.-L.S. I.C. Quad 2 To 1 MPX 74LS157	5	42	13L	RE 096	MOS.-I.C. 1024x 8 E-PROM 2708 (Type 1 N°13L) 1
17	12B-13B	CE 1587	TTL.-S. I.C. Dual J-K F.F. 74S112	2	43	Q.Z	CE 1415	14,31818 MHz. Cristal oscillator (HC-25) 1
18	4G-5G-8D-8E- 10D-10E	CE 1131	TTL.-L.S. I.C. 4 bit binary Counter 74LS161	6	44	D13+15	CE 1539	1N 4003 Diodes 3
19	8.O-9.O	CE 1663	TTL.-L.S. I.C. 8 bit P.OUT S. SH.R. 74LS164	2	45	D1+12-D13-D14	CE 1011	1N 4148 Diodes 14
20	4D	CE 1662	TTL.-L.S. I.C. 8 bit Shift Register 74LS166	1	46	Q1+3	CE 1290	NPN Transistors BC 337 3
21	1E-2L-3L	CE 1524	TTL.-L.S. I.C. Hex D-Type F.F. 74LS174	3	47	C2-5-6-8-33-63 65-67-76-79	CE 1100	10 µF 16V. Electr. Cap. Axial Leads 10
22	2E-3E-4E-5E- 8M-12E-13E	CE 1589	TTL.-L.S. I.C. Octal buffers 74LS244	7	48	C10+16-19-20 23-24-27-28- 30-31-32-34+36 38-41+45-48- 49-51+55-57- 59-62-64-66- 68+75-77-78-81	CE 1005	0,1 µF 50V. Ceramic Capacitors Radial Leads 48
23	11D	CE 1672	TTL.-L.S. I.C. Dual NOR GATE 74LS260	1	49	C1-4-7-9-87	CE 1159	1KpF 50V. Ceramic Capacitors Radial Leads 5
24	12C	CE 1571	MOS.- I.C. Sync Generator 2621-I (CT-430)	1	50	C84-85	CE 1257	100pF 50V. Ceramic Capacitors Radial Leads 2
25	8F	CE 1570	MOS.-I.C. Video Interface 2636-I (CT-455)	1	51	C3-47-60-61-86	CE 1473	330pF 50V. Ceramic Capacitors Radial Leads 5
26	8A	CE 1668	MOS.-I.C. 8 bit Microprocessor 2650-AI ①	1	52	R58-R76+81	CE 1409	100 OHM 1/4W 5% Carbon Resistors 7
					53	R46+48-R55	CE 1268	150 OHM 1/4W 5% Carbon Resistors 4
					54	R49-51-53-57	CE 1078	180 OHM 1/4W 5% Carbon Resistors 4
					55	R50-52-54	CE 1069	270 OHM 1/4W 5% Carbon Resistors 3

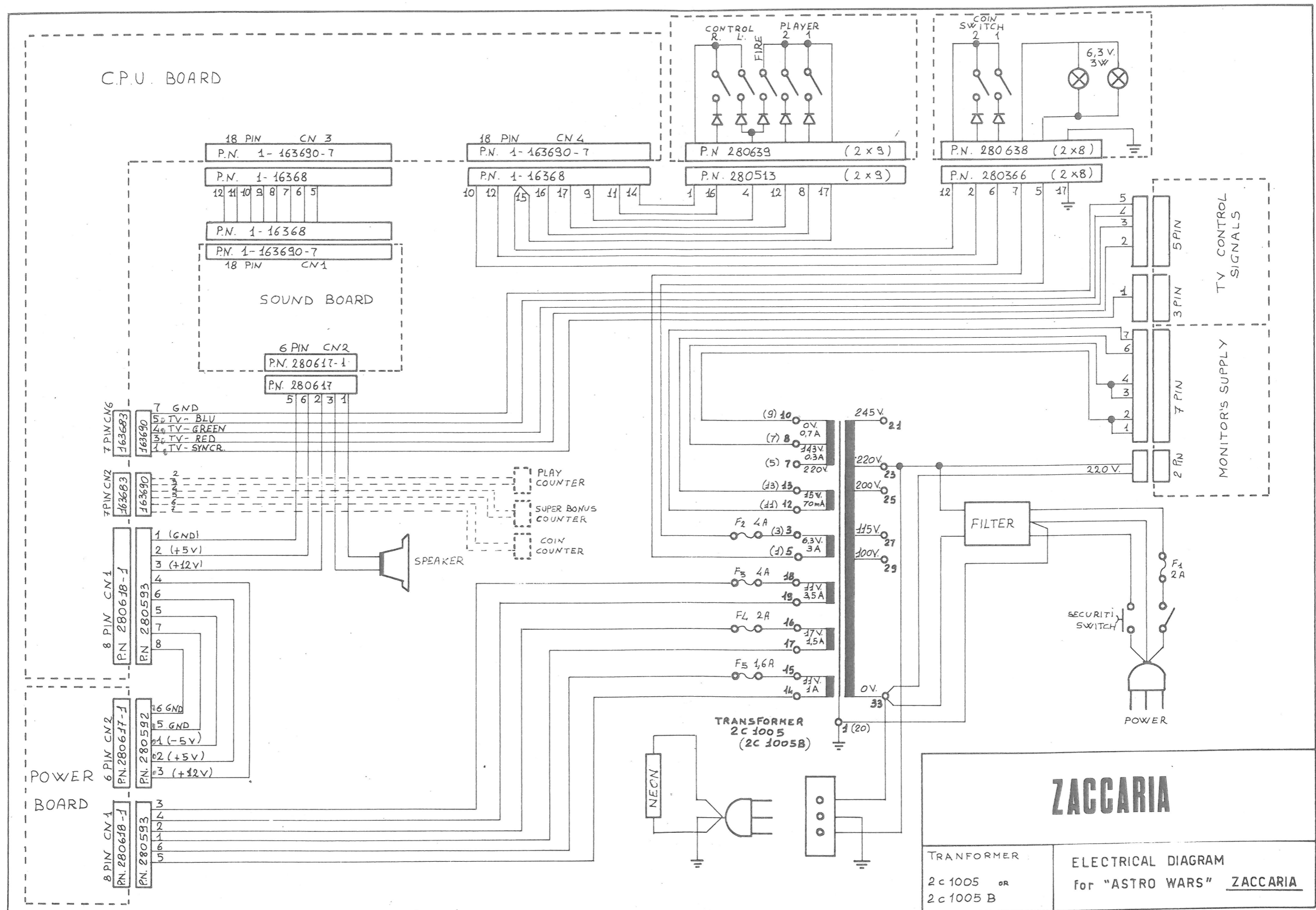
ZACCARIA

ELECTRICAL DIAGRAM for

CEC 045

SOUND BOARD (181131)





ITEM NO.	PART Designation	CODE PART NO.	DESCRIPTION	REQ'D NO.
1	PC 1	CE 2076	Printed Circuit 1B 1131	1
2	IC 6	CE 1434	Audio Amplifier Integrated Circuit TDA1010	1
3	IC 2	CE 1133	TTL.-L.S. I.C. Hex Inverter 74LS04	1
4	IC 1	CE 1145	TTL.-L.S. I.C. Quad AND GATE 74LS08	1
5	IC 4	CE 1148	Linear I.C. Quad OP. AMP LM 3900	1
6	IC 5	CE 1031	Linear I.C. Timer NE 555	1
7	D1+4	CE 1011	1N 4148 Diode	4
8	C 16	CE 1161	6,8 µF 16V. Tantalum Cap. Radial Leads	1
9	C7-C1	CE 1100	10 µF 16V. Electr. Cap. Axial Leads	2
10	C 4	CE 1475	47 µF 16V. Electr. Cap. Axial Leads	1
11	C20-C24-C26	CE 1162	100 µF 16V. Electr. Cap. Axial Leads	3
12	C 21	CE 1026	1000 µF 16V. Electr. Cap. Axial Leads	1
13	C 18	CE 1473	330pF 50V. Ceramic Capacictor	1
14	C 6	CE 1159	1KpF 50V. Ceramic Capacictor	1
15	C5-C9-C27-C31-C32	CE 1029	10Kpf 50V. Ceramic Capacitor	5
16	C2-3-8-10+15-17-19-22-23-25-29-30-33-34	CE 1005	0,1 µF 50V. Ceramic Capacitors	18
17	R5-17-27	CE 1039	560 OHM 1/4W. 5% Carbon Resistors	3
18	R 35	CE 1306	4,7 OHM 1/4W. 5% Carbon Resistor	1
19	R 33	CE 1170	1K OHM 1/4W. 5% Carbon Resistor	1
20	R7-R8	CE 1164	2,2K OHM 1/4W. 5% Carbon Resistors	2
21	R 32	CE 1023	5,6K OHM 1/4W. 5% Carbon Resistor	1
22	R6-18-25-28	CE 1075	6,8K OHM 1/4W. 5% Carbon Resistors	4
23	R 37	CE 1576	8,2K OHM 1/4W. 5% Carbon Resistor	1
24	R 9	CE 1171	10K OHM 1/4W. 5% Carbon Resistor	1
25	R2-12-19	CE 1194	22K OHM 1/4W. 5% Carbon Resistors	3
26	R 11	CE 1251	33K OHM 1/4W. 5% Carbon Resistor	1
27	R 36	CE 1197	39K OHM 1/4W. 5% Carbon Resistor	1
28	R3-14-15-29-31	CE 1193	47K OHM 1/4W. 5% Carbon Resistor	5

29	R 30	CE 1035	56K OHM 1/4W. 5% Carbon Resistor	1
30	R4-13-16-20	CE 1167	100K OHM 1/4W. 5% Carbon Resistor	4
31	R1-10-22-24	CE 1252	220K OHM 1/4W. 5% Carbon Resistor	4
32	R 34	CE 1447	330K OHM 1/4W. 5% Carbon Resistor	2
33	CN 1	CE 1336	18 Pin "CIS" Receptacle Connector	1
34	CN 2	CE 1404	6 Pin Modu 1 Male Connector	1
35	TR 1	CE 1302	10K OHM 1 Turn Horizontal Trimmer	1

CEC 045 SOUND BOARD

