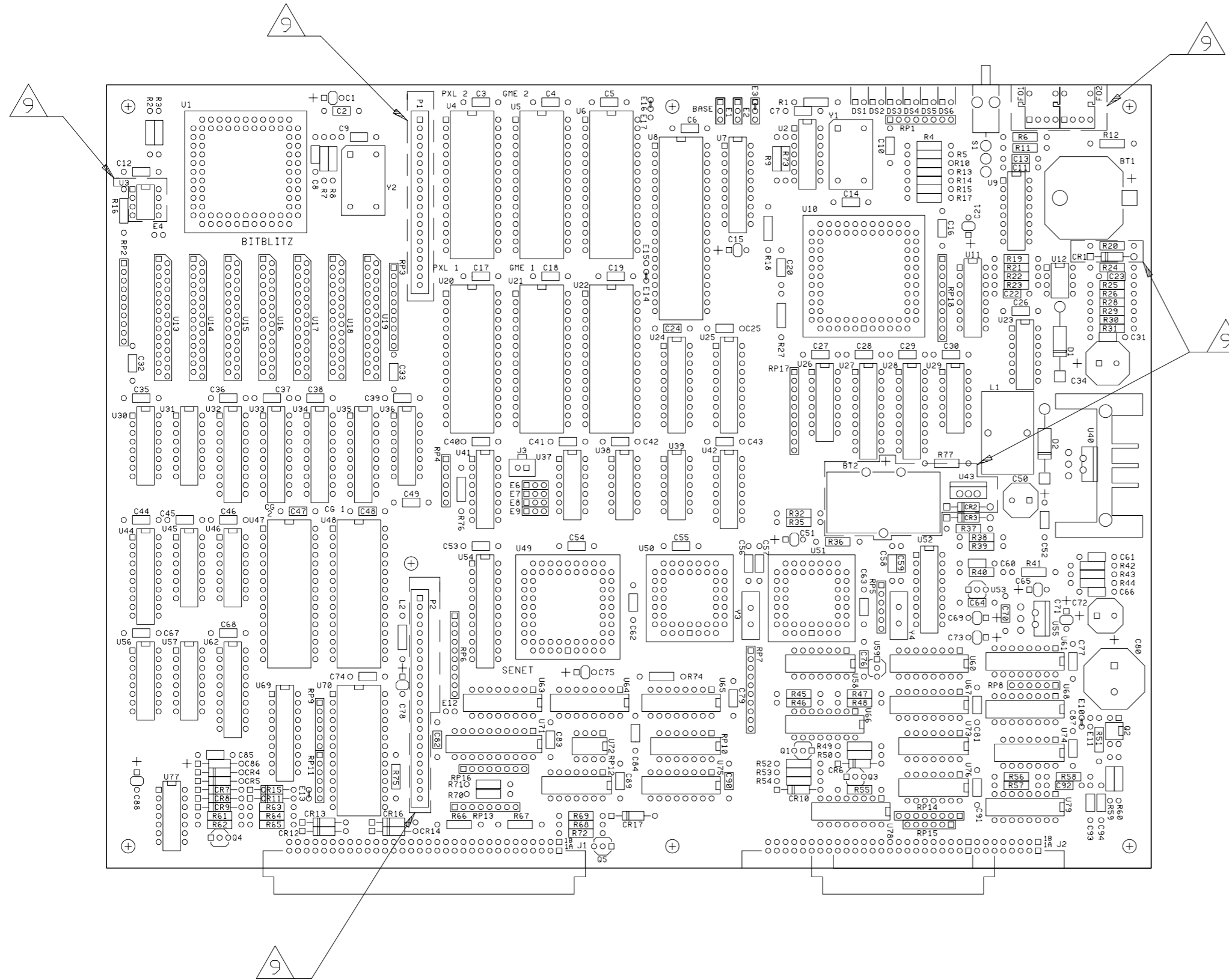


Component	Description	Part Number	Component	Description	Part Number
REF SCHEMATIC	PCB, 960 VIDEO CONTROLLER, V4, REV B	757 038 10	R42	RESISTOR, CF, 2.2 OHM, .25W, T/R	474 019 91
REF RAW	PCB, 960 VIDEO CONTROLLER, V4, REV A	757 038 30	R43	RESISTOR, CF, 1 OHM, .25W, T/R	474 079 91
REF DRAWING	PCB, 960 VIDEO CONTROLLER, V4, REV B	757 038 50	R51	RESISTOR, CF, 100K OHM, .25W, T/R	474 010 91
REF SUB ASSEMBLY/LIST	PCB, 960 VIDEO CONTROLLER, V4, XRAM/RTC, REV B	757 038 42	R54,61	RESISTOR, CF, 150 OHM, .25W, T/R	474 053 91
REF SUB ASSEMBLY/LIST	PCB, 960 VIDEO CONTROLLER, V4, XRAM/RTC/TT, REV B	757 038 43 *	R56	RESISTOR, CF, 200K OHM, .25W, T/R	474 062 91
			R57	RESISTOR, CF, 390K OHM, .25W, T/R	474 095 91
REF E15,17	WIRE, BUSS, BAR22, SIM-BELD 80210	612 004 90	R62	RESISTOR, MF, 15 OHM, .25W, 1%, T/R	476 056 91
REF U1,10	SOCKET, IC, 84 PIN, PLCC	127 086 90	R63-65	RESISTOR, CF, 75 OHM, .25W, T/R	474 111 91
REF U4-6,20,21,47,48	SOCKET, IC, DIP, 32 PIN	127 087 90			
REF U8	SOCKET, IC, DIP, 40 PIN	127 010 90	RP1	RESISTOR, NTWK., 1K-7, 8P, SIP	478 014 90
REF U22	CLOCK, RT, 512K X 8 RAM SOCKET, 120NS	329 030 00	RP2,3,6,7,17,18	RESISTOR, NTWK., 10K-9, 10P, SIP	478 091 90
REF U40	HEATSINK, -10C/W, T0220, 6380B-2	267 043 90	RP4,5,9	RESISTOR, NTWK., 10K-5, 6P, SIP	478 088 90
REF U40	CLIP, SECONDARY, HEATSINK, CLP-201	446 057 90	RP8,15	RESISTOR, NTWK., 470K-5, 6P, SIP	478 099 90
REF U49	SOCKET, IC, 68 PIN, PLCC	127 032 90	RP10,12	RESISTOR, NTWK., 100K/10K-6, 14P, DIP	478 114 90
REF U50,51	SOCKET, IC, 52 PIN, PLCC	127 045 90	RP11	RESISTOR, NTWK., 1K-5, 6P, SIP	478 064 90
REF U70	SOCKET, IC, DIP, 28 PIN	127 011 90	RP13	RESISTOR, NTWK., 4.7K-7, 8P, SIP	478 021 90
REF Y3,4	SPACER, SIP, 2 POS, 0.2"LD, SP	674 443 90	RP14	RESISTOR, NTWK., 100K-4, 8P, SIP	478 045 90
			RP16	RESISTOR, NTWK., 22-4, 8P, SIP	478 113 90
			S1	SWITCH, PB, SPDT MOM, PCB, RTA	516 073 90
BT1	BATTERY, LI, 3V, 255 MAH, COIN, H-PCB	404 020 90			
BT2	BATTERY, NICAD, 3.6V	404 022 90 *	U1	IC, FPGA, XC3042	329 032 90
C1,15,21,51,75,88	CAPACITOR, DIP, TANT, 22UF 16V, T/R	154 020 91	U2	IC, INVERTER, HEX, 74HC04	320 272 90
C2-10,12-14,16-20,23-30,32,33	CAPACITOR, CERAMIC, .1UF, 50V, +80-20%, AX T/R	152 078 91	U3	PROM, EE SERIAL, XC 1765D	708 064 90
C11,92,94	CAPACITOR, CERAMIC, 1000PF, 20%, 50V, AX T/R	152 086 91	U4,5,20,21	OTP, EPROM, 512K X 8, 100NS	708 124 90
C22,56,57	CAPACITOR, CERAMIC, 22PF, 5%, 50V, NPO, AX T/R	152 080 91	U6,22	RAM, STATIC, CMOS, 512K X 8, 120NS	706 047 90
C31,52,54,61	CAPACITOR, CERAMIC, .01UF, +80-20%, 50V, AX T/R	152 077 91	U7,25	IC, LATCH, OCTAL, 74AC573	320 420 90
C34	CAPACITOR, ELECTRO, RAD, LOESR,1000UF, 25V	159 027 90	U8	EPROM, CMOS, 256K X 16, 120NS, 40DIP	708 030 90
C35-49,53,55,60,62-64,67,68	CAPACITOR, CERAMIC, .1UF, 50V, +80-20%, AX T/R	152 078 91	U9	IC, DRIVER, DARL, 7-OUT	320 132 90
C50	CAPACITOR, ELECTRO, RAD, 100MF, 25V	156 052 90	U10	MICROCTRL, 32/16BT, 16MHZ, 960SA	327 024 90
C58,59	CAPACITOR, CERAMIC, 15PF, 5%, 50V, NPO, AX T/R	152 087 91	U11	IC, SUPERVISORY, VOLTAGE, MAX691A	320 481 90
C65,71,78	CAPACITOR, ELECTRO, RL, 10UF, 16V, T/R	156 016 91	U12	IC, DUAL PROG VOLT, REF ICL7665A	320 405 90
C66	CAPACITOR, CERAMIC, .1UF, 20%, 100V, AX T/R	152 085 91	U13-19	VDRAM, CMOS, 256K X 4, 100NS	706 044 90
C69,73	CAPACITOR, ELECTRO, RAD, 4.7UF, 35V, T/R	156 068 91	U23	IC, INVR, HEX, SCHMIDT 4584	320 038 90
C70,74,76,77-79,81-84,85,87	CAPACITOR, CERAMIC, .1UF, 50V, +80-20%, AX T/R	152 078 91	U24	IC, BUS, TRNCVR, OCTAL, 74AC245	320 330 90
C72	CAPACITOR, ELECTRO, 470MFD, 16V, RAD	156 089 90	U26,42	IC, DCDR, 3 TO 8 LINE, 74HC138	320 274 90
C80	CAPACITOR, ELECTRO, RAD, 2200MFD, 16V, 12.5D	156 080 90	U27	PAL, 16V8, PRGMED, 960 CONTROL 02	328 023 00
C86	CAPACITOR, TANT, 1.0UF, 20%, 25V, AX T/R	154 029 91	U28	PAL, 16V8, PRGMED, 960 CONTROL 01	328 022 00
C89-91,93	CAPACITOR, CERAMIC, .1UF, 50V, +80-20%, AX T/R	152 078 91	U29,77	IC, QUAD 2-INPT OR GATE, 74AC32	320 368 90
CR2,3	DIODE, SCHOTT, 30V, 1A, 1N5818	480 059 91	U30,31	IC, 2-1 MUX, QUAD, 74AC157	320 479 90
CR4-17	DIODE, SWITCH, 100V, 100MA, 1N4148	480 033 91	U32-35,62,69	IC, OCTAL, D F/F, TRI, 74HC574	320 262 90
			U36,46	IC, F/F, HEX D W/CLR, 74HC174	320 268 90
D1	SUPPRESSOR, VOLTAGE, 5V/5W, 1N6373 T/R	483 010 91	U37-39	IC, GATE, OR, QUAD 2-IN, 74HC32	320 275 90
D2	DIODE, SCHOTT, 35V, 8A	480 098 90	U40	REG, SWITCHER, 5V, 3A, LM2576T-5.0	488 038 90
DS1,2	EMITTER, LED, YELLOW, RA-T1	371 041 90	U41	IC, DCDR, DUAL 2-4, 74HC139	320 290 90
DS3,4	EMITTER, LED, GREEN, R/A-T1	371 019 90	U43	IC, H.S. BTRY CHGR, DS1633C	322 002 90 *
DS5,6	EMITTER, LED, RED, R/A-T1	371 018 90	U44	PAL, 16V8, PRGMED, 960 VIDEO 01	328 024 00
FO1	FIBER OPTIC RECEIVER, HFBR-2522	375 016 90	U45	IC, 2 TO 1 MUX, QUAD, TRI, 74AC257	320 473 90
FO2	FIBER OPTIC XMIT, HFBR-1522	375 015 90	U47,48	OTP, EPROM, 256K X 8, 100NS	708 125 90
J1	CONNECTOR, DIN, 64 PIN, RTA, MALE	215 009 90	U49	FPGA, 1020, PRGMED, SENET V3	328 028 00
J2	CONNECTOR, DIN 32 PIN, RTA, MALE W/O CLIP	215 046 90	U50,51	IC, QUAD, UART, SC26C94, PLCC	321 030 90
J3	CONNECTOR, HDR, 2 PIN, STR SHROUD SL	211 049 90	U52	IC, SPCL, FM SOUND, YM2413	329 007 90
L1	COIL, 100UH, 3.5A, 130V/US	180 035 90	U53	REGR, 5V, 100MA, 3TR, LM340LAZ-5.0	488 035 90
L2	INDUCTOR, FERRITE BEAD, AXIAL, T/R	180 029 90	U54	RAM, STATIC, CMOS, 2K X 8, 45NS	706 043 90
P1	SOCKET, STRIP, SGL, 20 PIN	129 077 90	U55	IC, AUDIO POWER, 8W, TDA2002V	324 003 90
P2	SOCKET, STRIP, SGL, 24 PIN	129 078 90	U56,57	IC, QUAD, 2-DATA, SEL/MUX, 74HC257	320 499 90
Q1,3,5	TRANSISTOR, NPN, GEN PURP AMP, 2N3904	481 017 90	U58	IC, QUAD, BUS, BUFFER, 74HC125	320 480 90
Q2	TRANSISTOR, MOSFET, 2AMP, 60V, NLOGIC	481 099 90	U59	IC, 48 BIT, ID ROM, DS2400	320 482 90
Q4	IC, VOLTAGE REF, LM334	323 018 90	U60	IC, BUFFER, HEX, TRI-STATE, 4503	320 486 90
R1,2,4,8,10,11,13,15,16,26,27	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91	U61	IC, QUAD, LATCH 3-STATE, 4076B	320 495 90
R3,40,41,46,52	RESISTOR, CF, 4.7K OHM, .25W, T/R	474 025 91	U63-65,75,78	IC, HEX LEVEL SHIFTER, 4504B	320 483 90
R5,59,66,67	RESISTOR, CF, 100 OHM, .25W, T/R	474 002 91	U66	OPTO, COUPLER, QUAD ILQ2	370 024 90
R6	RESISTOR, CF, 3.3K OHM, .25W, T/R	474 034 91	U67	IC, LATCH, QUAD, 40175B	320 136 90
R7,44,45,47,53	RESISTOR, CF, 220 OHM, .25W, T/R	474 018 91	U68	IC, DECDR, DUAL 1 OF 4, 4556B	320 142 90
R9,68,70,71	RESISTOR, CF, 20 OHM, .25W, T/R	474 080 91	U70	IC, VIDEO DAC, 40MHZ, G176	329 027 90
R12	RESISTOR, CF, 51 OHM, .25W, T/R	474 096 91	U71	IC, OCTAL, BUFFER/DRIVER, 74C240	320 484 90
R14	RESISTOR, CF, 390 OHM, .25W, T/R	474 006 91	U72	IC, DRIVER, DUAL, OR, 75453	320 404 90
R17,48,73	RESISTOR, CF, 470 OHM, .25W, T/R	474 020 91	U73	IC, GATE, AND, QUAD, 2-IN, 4081	320 237 90
R18,24,49,55,69,72	RESISTOR, CF, 1K OHM, .25W, T/R	474 023 91	U74	IC, GATE, NOR, QUAD, 2-IN, 4001B	320 100 90
R19,37	RESISTOR, MF, 1.1M OHM, 1%, .25W, T/R	476 045 91	U76	IC, GATE, OR, QUAD, 2-IN, 4071B	320 139 90
R21	RESISTOR, CF, 330K OHM, .25W, T/R	474 046 91	U79	IC, PROG TIMER, 4536B	321 042 90
R22,58	RESISTOR, CF, 47K OHM, .25W, T/R	474 029 91	Y1	OSC, 24.000 MHZ W/EN, CMOS	239 009 90
R23	RESISTOR, MF, 6.04K OHM, 1%, .25W, T/R	476 050 91	Y2	OSC, 26.6667 MHZ, CMOS	239 010 90
R25,30	RESISTOR, MF, 1MEG, .25W, 1%, T/R	476 040 91	Y3	CRYSTAL, 3.684 MHZ	230 123 90
R28,29	RESISTOR, CF, 22MEG OHM, .25W, T/R	474 082 91	Y4	CRYSTAL, 3.579545 MHZ, HC-49/U	230 020 90
R31,32,35,36,50,60,74-76,78	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91			
R38,39,R77	RESISTOR, CF, 2.2K OHM, .25W, T/R	474 033 91			

* 757 038 03 only



NOTES: (UNLESS OTHERWISE INDICATED)
 9. INDICATED COMPONENTS MAY NOT BE USED ON ALL ASSEMBLIES.

JUMPER CHART*

EPROM	EPROM	FLASH
E1	2-3(A20)	1-2(A19)
E2	2-3(A20)	1-2(A19)
E6,E7	1-2(A19)	2-3(WE\)
E8,E9	1-2(A19)	2-3(WE\)
RAM	RTC	CMOS RAM
E3	1-2	2-3
SPECIAL		
E10	CARD-CAGE RESET	
E11	MAIN-DOOR RESET	
E12	NOT FIELD SELECTABLE	

* ALL JUMPERS ARE SOLID WIRE.
 SLEEVE ALL EXPOSED WIRE ON
 JUMPERS BEFORE SOLDERING TO BOARD.