

Component	Description	Part Number	Component	Description	Part Number
REF SCHEMATIC	BOARD PC, SUPER PE VER2, REV G	757 034 11	R47,48	RESISTOR, CF, 330, OHM, .25W T/R	474 054 91
REF RAW	BOARD PC, SUPER PE VER2, REV C	757 034 31	R50,61,89,92	RESISTOR, CF, 1K, OHM, .25W T/R	474 023 91
REF DRAWING	BOARD PC, SUPER PE VER2, REV H	757 034 51	R57,59	RESISTOR, CF, 220, OHM, .25W T/R	474 018 91
REF SUB ASSEMBLY/LIST	BOARD PC, SUPER PE VER3, REV D	757 034 47 *	R60,81-83,95,96,107	RESISTOR, CF, 10K, OHM, .25W T/R	474 026 91
REF SUB ASSEMBLY/LIST	BOARD PC, SUPER PE+ VER3, LCST, REV C	757 034 48 **	R65-72,75,78,80	RESISTOR, MF, 698, OHM, .25W 1% TR	476 003 91
			R73,74,76,77,79	RESISTOR, MF, 348, OHM, .25W 1% TR	476 002 91
REF U7	NUT, KEP, STEEL 6-32	424 003 95	R85	RESISTOR, CF, 1 MEG, OHM, .25W T/R	474 013 91
REF U7	HEATSINK, 3.3C/W, TO-3	267 023 90	R86	RESISTOR, CF, 2.7K, OHM, .25W T/R	474 031 91
REF U7	SIL, PAD, TO-3	310 011 90	R93,104	RESISTOR, MF, 1MEG, .25W, 1% T/R	476 040 91
REF U21	SOCKET, IC DIP, 8-PIN	127 017 90	R94	RESISTOR, CF, 22MEG, OHM, .25W T/R	474 082 91
REF U43	SOCKET, IC DIP, 20-PIN	127 007 90	R97	RESISTOR, CF, 18K, OHM, .25W T/R	474 022 91
REF U57,76	SOCKET, IC DIP, 40-PIN	127 010 90			
REF U65-67,72,77-80	SOCKET, IC DIP, 28-PIN	127 011 90	R100	RESISTOR, CF, 2.7, OHM, 5%, 1/4W T/R	471 162 91
REF Y1,2	TAPE, D/SIDED, .032THK X .187 W	319 044 90	R102	POT, LINEAR, 10K, HORIZ	460 034 90
			R103	RESISTOR, MF, 715K, .25W, 1% T/R	476 046 91
BT1	BATTERY, LITHIUM, 3.5V, 1/2 AA	404 027 90	R105	RESISTOR, CF, 8.2K, OHM, .25W T/R	474 039 91
C1-4,6,7	CAPACITOR, CERAMIC, .033UF, 20%, 100V, AX T/R	152 082 91	R106	RESISTOR, MF, 174K, .25W, 1% T/R	476 054 91
C5,9,10,12	CAPACITOR, CERAMIC, .01UF, +80-20%, 50V, AX TR	152 077 91	RP1-4	RESISTOR, NTKW., 510-4, 8P SIP	478 034 90
C8,13,17-20,22-38,43,46-50,57-61,65	CAPACITOR, CERAMIC, .1UF, 50V+80-20%, AX T/R	152 078 91	RP5-6,13,16	RESISTOR, NTKW., 10K-9, 10P SIP	478 091 90
C11,14	CAPACITOR, CERAMIC, .1UF, 20% 100V, AX T/R	152 085 91	RP7-12,14	RESISTOR, NTKW., 330-4, 8P SIP	478 041 90
C15,16	CAPACITOR, ELECTRO, RAD, 6800MF, 16V	156 051 90	RP15	RESISTOR, NTKW., 470-7, 8P SIP	478 037 90
C21,56,62,64,67,68	CAPACITOR, ELECTRO, RL, 10UF, 16V, T/R	156 016 91	SW1	SW, DIP, 8POS, 16-PIN, LO-PROFILE	510 144 90 *
C39,40,45	CAPACITOR, CERAMIC, 15PF, 5%, 50V NPO, AX T/R	152 087 91			
C63,70	CAPACITOR, CERAMIC, 1000PF, 20%, 50V, AX T/R	152 086 91	U1,2,6,10,11	OPTO, COUPLER, QUAD, ILQ-1	370 016 90
C66	CAPACITOR, CERAMIC, .047UF, 20% 50V, AX T/R	152 084 91	U3,27,28	OPTO, COUPLER, DUAL, ILD-2	370 017 90
C69	CAPACITOR, ELECTRO, RD 220UF, 16V, T/R	156 021 91	U4,13-15,18,19,22	OPTO, COUPLER, TRIAC, MOC3010	370 011 90
			U5,12,16,17,23,24	OPTO, COUPLER, TRIAC, MOC3031	370 012 90
CR1-19,21-24,26,33	DIODE, SW, 100V, 100MA, 1N4148	480 033 91	U7	VREG, +5.0V/3A, TO-3, LM323	488 003 90
CR20	DIODE, ZEN, 7.5V, 1N755A, T/R	480 019 90	U8,9,32,42,58,74	IC, LATCH, OCTL, TRANSISTOR, 74HC573	320 309 90
CR25	RECTIFIER, SIL, 100V, 1.0A, 1N4002, T/R	484 022 91	U20	IC, DRVR, DARL, 7-OUT, HIN, ULN2004	320 324 90
CR27-30	DIODE, SCHOTT, 30V, 1A, 1N5818	480 059 91	U21	OPTO, COUPLER, HIGH SPEED, 6N137	370 015 90
CR31,32	RECTIFIER, SIL, 3A, 100V, 1N5401	484 038 90	U25,26	OPTO, COUPLER, DARL, 6N139	370 007 90
D1	VRISTR, 47V/1.8J/250A, V47ZA1	483 009 90	U29	IC, F/F, HEX D, W/CLR, 74HC174	320 268 90
D2	SUPPRESSOR, VOLTAGE, 5V/5W, 1N6373, TR	483 010 91	U30	IC, NAND, DUAL, 4-IN, 74HC20	320 270 90
D3	SUPPRESSOR, VOLTAGE, 12V/5W, 1N6376, T/R	483 011 91	U31,41,53	IC, BUF/DRVRQUAD, 74HC126	320 321 90
DS1	EMITTER, LED, RED, SUPER BRIGHT	371 008 90	U33,35,37,39,44,45	IC, OCTAL, D F/F, TRI, 74HC574	320 262 90
E1-5	CONNECTOR, HDR, PCB, 10-PIN, UNSHROUDED	211 015 90	U34,36,38,52,55	IC, DRVR, DARL, 7-OUT, ULN2003	320 132 90
E6-9,14-17	WAFER, STRIP, 3-PIN	219 354 90	U40	OPTO, COUPLER, QUAD, ILQ2	370 024 90
E7,8,15,17	JUMPER, 2-PIN, .100	639 027 90	U46,50	IC, F/F, DUAL, D 74HC74	320 271 90
E10	WIRE, BUSS, BAR22, SIM-BELD, 80210	612 004 90	U47	IC, GATE, QUAD, 2NP, NAND, 74HC00	320 238 90
F1	SUPPRESSOR, CURRENT, 0.75A, RXE050	483 027 90			
			U48	IC, GATE, OR, QUAD 2-IN, 74HC32	320 275 90
J1	CONNECTOR, DIN, 64-PIN, RTA, MALE	215 009 90	U49	IC, INVERTER, HEX, 74HC04	320 272 90
J2	CONNECTOR, DIN, 32-PIN, RTA, MALE	215 023 90	U51	IC, GATE, NOR, QUAD, 2-IN, 74HC02	320 294 90
J3	WAFER, RD.WIRE, 6-PIN, MOLEX2403	219 013 90	U54,84	IC, F/F, DUAL, JK, RES 74HC107	320 291 90
K1-3,5	RELAY, SSR, 120VAC, 1A, SIP	454 038 90 **	U56	IC, GATE, AND, QUAD, 2-IN, 74HC08	320 273 90
K1-6	RELAY, SSR, 120VAC, 1A, SIP	454 038 90 *	U57	MICROPROCESSOR, 12MHZ, 40P, DIP, 80C32	327 018 90
Q1,3-8,12,13	TRIAC, 0.8A, 200V, TO92, L201E3	482 021 91	U59	IC, SCHMIT/TRIG, HX/INV, 74HC14	320 266 90
Q2,9-11	TRIAC, 8A, 250V, MAC8D	482 015 90	U60	IC, HEX, INVERTER, 74AC04	320 421 90
Q14-15,20	TRANSISTOR, NPN, GEN, PURP, 2N3904 T/R	481 017 91	U61	IC, CONTR, BIN, SYNC, 4BIT, 74HC161	320 267 90
Q16-17,21-24	TRANSISTOR, PNP, GEN, PURP, 2N3905 T/R	481 018 91	U62	IC, GATE, TRI, 3-IN, 74HC10	320 255 90
Q18	TRANSISTOR, NPN, DARLINGTON, 2A, 2N6724	481 077 90			
			U63,64	IC, DCDR, 3 TO 8 LINE, 74HC138	320 274 90
R1,2,99,101	RESISTOR, CF, 510 OHM, .25W, T/R	474 021 91	U65	RAM, STATIC, CMOS, 32KX8, 15ONS LP	706 033 90
R3,5,7,11,12,14,16	RESISTOR, CF, 100 OHM, .25W, T/R	474 002 91	U68-71	IC, REGR, SHFT, 8-BIT, 74HC166	320 269 90
R4,6,8,10,13,15,17,20	RESISTOR, CF, 1K OHM, .25W, T/R	474 023 91	U72	IC, SOUND, GEN, GAMES, AY38912	320 089 90
R18,19,21,23,24,26,28	RESISTOR, CF, 100 OHM, .25W, T/R	474 002 91	U75	IC, DUART, 2681A, 28-PIN	321 006 90
R22,25,27,29,31,41,42	RESISTOR, CF, 1K OHM, .25W, T/R	474 023 91	U76	IC, CRT, CONTROL, R6545AP	321 002 90
R30,53,54	RESISTOR, CF, 100 OHM, .25W, T/R	474 002 91	U82	IC, SUPERVISORY, MAX695	320 403 90
R32-34,36,37,39,49,58	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91	U83	IC, PROG, VOLTAGE, REF, ICL8211	320 248 90
R35,38,62-64	RESISTOR, CF, 390 OHM, .25W, T/R	474 006 91	U85-88	RAM, STATIC, 1KX4, 200NS	706 012 90
R40	RESISTOR, CF, 15K OHM, .25W, T/R	474 027 91	U89	IC, AUDIO, POWER, 1.5W, LM388	324 004 90
R43,52	RESISTOR, CF, 1.5K OHM, .25W, T/R	474 001 91	Y1	CRYSTAL, 3.6864, MHZ, HC-18/U	230 123 90
R44,51,84,98	RESISTOR, CF, 470 OHM, .25W, T/R	474 020 91	Y2	CRYSTAL, 20.0, MHZ, HC-18	230 120 90
R45	RESISTOR, ZERO, OHM, JUMPER, 1/8W, AX TR	479 010 91			
R46,55,56,108	RESISTOR, CF, 3K OHM, .25W, T/R	474 005 91			

* 757 034 07 only

** 757 034 08 only

9 INDICATED COMPONENTS MAY NOT BE USED ON ALL ASSEMBLIES.

10 SEE INSTRUCTION 82412400 (OPTIONAL)

11 SEE INSTRUCTION 82412500 (OPTIONAL)

STRAP OPTIONS

JUMPER	E6	E7
RXDB (SER)		X
1P2	X	
	E8	E9
TXDB (SER)	X	
OP2		X
	E14	E15
EPROM 256K	X	
EPROM 512K		X
	E16	E17
STANDARD MODE	X	
SUPER MODE		X

SEE JUMPER CHART FOR VERSIONS

JUMPER	E10	E11
VERSION 04	X	
VERSION 05	X	
VERSION 06		X
VERSION 07	X	

