

Component	Description	Part Number
REF SCHEMATIC	BOARD, PROCESSOR, S+ 10/16, REV A1	755 110 10
REF RAW	BOARD, PROCESSOR, S-PLUS PROCESSOR, VER 4, REV A	755 057 33
REF DRAWING	BOARD, PROCESSOR, S+ 10/16, REV A1	755 110 50
REF SUB ASSEMBLY/LIST	BOARD, PROCESSOR, SPL, 10M, 3R5M, UL, REV A	755 110 40 *
REF SUB ASSEMBLY/LIST	BOARD, PROCESSOR, SPL, 10M, 3R6M, UL, REV A	755 110 41 +
REF SUB ASSEMBLY/LIST	BOARD, PROCESSOR, SPL, 10M, 5R6M, UL, REV A	755 110 42 #
REF U1	SOCKET, IC, DIP, 16-PIN	127 005 90 *+
REF U27,56-58	SOCKET, IC, DIP, 28-PIN	127 011 90
REF U47	COMPOUND, HEAT SINK	161 001 90
REF U47	HEATSINK, 18C/W, T0-220, IMPROVED	267 031 90
REF U59	SOCKET, IC, DIP, 40-PIN	127 010 90
REF Y1,3	TAPE-D/SIDED, .032 THICK X .187 WIDE	319 044 90
BT1	BATTERY, LITHIUM, 3.5V, 1/2 AA	404 027 90
C1-4,6-7	CAPACITOR, CERAMIC, .033UF, 20%, 100V, AX, T/R	152 082 91
C5,8-9,11-14	CAPACITOR, CERAMIC, .1UF, 50V, +80, -20%, AX, T/R	152 078 91
C10	CAPACITOR, TANT, 2.2UF, 20%, 15V, AX, T/R	154 028 91
C15-22,28-34	CAPACITOR, CERAMIC, .1UF, 50V, +80, -20%, AX, T/R	152 078 91
C23,27	CAPACITOR, ELECTRO, RAD, 6800MF, 16V	156 051 90
C24	CAPACITOR, ELECTRO, RAD, 6800MF, 25V	156 045 90
C25	CAPACITOR, CERAMIC, 15PF, 5%, 50V, NPO, AX, T/R	152 087 91
C26	CAPACITOR, ELECTRO, RAD, 10000MF, 16V	156 066 90
C35-36,38-42	CAPACITOR, CERAMIC, .1UF, 50V, +80, -20%, AX, T/R	152 078 91
C37,45,52,57-58,64	CAPACITOR, ELECTRO, RAD, 10MF, 35V	156 017 90
C43,48,50-51	CAPACITOR, CERAMIC, .1UF, 50V, +80, -20%, AX, T/R	152 078 91
C44	CAPACITOR, ELECTRO, 470MFD, 16V, RAD	156 089 90
C49	CAPACITOR, DIP, TANT, 3.3MF, 35V	154 008 90
C53,55	CAPACITOR, CERAMIC, 22PF, 5%, 50V, NPO, AX, T/R	152 080 91
C54	CAPACITOR, CERAMIC, .33UF, 50V, +80, -20%, AX, T/R	152 079 91
C56	CAPACITOR, ELECTRO, RAD, 220MF, 16V	156 021 90
C60	CAPACITOR, CERAMIC, .047UF, 20%, 50V, AX, T/R	152 084 91
C63	CAPACITOR, CERAMIC, 100PF, 10%, 50V, COG, AX, T/R	152 075 91
C65-66	CAPACITOR, CERAMIC, 4700PF, 10%, 100V, AX, T/R	152 081 91
C67-71	CAPACITOR, TANT, 1.0UF, 20%, 25V, AX, T/R	154 029 91
CR1-6	DIODE, RECT, 5A, 100V, AXIAL, T/R	480 081 91
CR7	DIODE, ZENER, 7.5V, 1N755A, T/R	480 019 90
CR8-10,13-14,16	DIODE, SWITCH, 100V, 100MA, 1N4148	480 033 91
CR11-12	RECTIFIER, SIL, 100V, 1.0A, 1N4002, T/R	484 022 91
CR15	DIODE, SCHOTT, 60V, .4W, 1N6263, T/R	480 058 91
D1	VARISTOR, 47V/1.8J/250A, V47ZA1	483 009 90
D2	SUPPRESSOR, VOLTAGE, 12V/5W, 1N6376, T/R	483 011 91
D3	SUPPRESSOR, VOLTAGE, 5V/5W, 1N6373, TR	483 010 91
DS1	EMITTER, LED, RED, SUPER BRIGHT	371 008 90
E1,7-8,10,12-13	WIRE, BUSS, BAR22, SIM-BELD, 80210	612 004 90
J1,2	CONNECTOR, DIN, 64 PIN, RTA, MALE	215 009 90
J3	WAFER, RD. WIRE, 6 PIN, MOLEX 2403	219 013 90
K1-6,8	RELAY, SSR, 120VAC, 1A, SIP	454 052 90
Q1-6,10-12	TRIAC, LOGIC, 200V, 1A	482 017 90
Q7-9,13-15	TRIAC, 4.0A, 200V, L2004L3	482 020 90
Q16,18,23-25	TRANSISTOR, NPN, GEN, PURP, 2N3904, T/R	481 017 91
Q17,20-21	TRIAC, 8A, 250V	482 022 90
Q19	TRANSISTOR, PNP, DARLINGTON, 5A, TIP125	481 034 90
Q22	TRANSISTOR, NPN, DARLINGTON, 1A, MPS6724	481 081 90
Q26	DIODE, REF, 2.5V, TL431CLP, T/R	480 063 91
R1-3,7,9,26-27,46,54	RESISTOR, CF, 470 OHM, .25W, T/R	474 020 91
R4-5,16,32,64	RESISTOR, CF, 750 OHM, .25W, T/R	474 008 91
R6,8,10	RESISTOR, CF, 47 OHM, .25W, T/R	474 009 91
R11,108-109,136	RESISTOR, CF, 1MEG OHM, .25W, T/R	474 013 91
R12,25,30,35,44,52-53	RESISTOR, CF, 1K, OHM, .25W, T/R	474 023 91
R13-15,17-19,21	RESISTOR, CF, 390 OHM, .25W, T/R	474 006 91
R20,29,36,96,102	RESISTOR, CF, 100 OHM, .25W, T/R	474 002 91
R22,31,37-38,61,75,87	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91
R23	RESISTOR, CF, 2.2K OHM, .25W, T/R	474 033 91
R24,28,34,90	RESISTOR, CF, 330 OHM, .25W, T/R	474 054 91
R33,78	RESISTOR, CF, 4.7K OHM, .25W, T/R	474 025 91
R39-40,48-50,103,105	RESISTOR, CF, 47K OHM, .25W, T/R	474 029 91
R41,55,71-72	RESISTOR, CF, 220 OHM, .25W, T/R	474 018 91
R42-43,58,67,70,80-81	RESISTOR, CF, 3K OHM, .25W, T/R	474 005 91
R45,47	RESISTOR, CF, 390 OHM, .25W, T/R	474 006 91
R51	RESISTOR, CF, 15K OHM, .25W, T/R	474 027 91

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R56,59,62-63,69,73,82	RESISTOR, CF, 470 OHM, .25W, T/R	474 020 91
R57,83,97	RESISTOR, CF, 1.5K OHM, .25W, T/R	474 001 91
R60,68,79,95	RESISTOR, CF, 680 OHM, .25W, T/R	474 057 91
R65,74,84,91,94,99,112	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91
R66	RESISTOR, CF, 150 OHM, .25W, T/R	474 053 91
R76	RESISTOR, CF, 8.2K OHM, .25W, T/R	474 039 91
R77,85,88,106,110,113	RESISTOR, CF, 1K OHM, .25W, T/R	474 023 91
R86,93,100	RESISTOR, CF, 3K OHM, .25W, T/R	474 005 91
R92,98	RESISTOR, CF, 470 OHM, .25W, T/R	474 020 91
R101	RESISTOR, MF, 887 OHM, .25W, 1%, T/R	476 024 91
R104	RESISTOR, MF, 243 OHM, .25W, 1%, T/R	476 016 91
R107	RESISTOR, CF, 270K OHM, .25W, T/R	474 035 91
R111	RESISTOR, CF, 180K OHM, .25W, T/R	474 011 91
R115,121	RESISTOR, MF, 1.21K, .25W, 1%, T/R	476 010 91
R118	RESISTOR, MF, 3.09K OHM, .25W, 1%, T/R	476 017 91
R122-123,127	RESISTOR, CF, 510 OHM, .25W, T/R	474 021 91
R125	RESISTOR, CF, 470K OHM, .25W, T/R	474 012 91
R126	RESISTOR, MF, 976 OHM, .25W, 1%, TR	476 009 91
R128	POT, LINEAR,10K, HORIZ	460 034 90
R129-130,132,134,137	RESISTOR, CF, 10K OHM, .25W, T/R	474 026 91
R131	RESISTOR, CF, 82K OHM, .25W, T/R	474 044 91
R133	RESISTOR, CF, 2.7 OHM, 5%, 1/4W, T/R	471 162 91
R135	RESISTOR, CF, 22K OHM, .25W, T/R	474 028 91
RP1	RESISTOR, NTKW. 10K-7 8P SIP	478 016 90
RP2-4	RESISTOR, NTKW. 1M/1K-6 14P DIP	478 074 90
RP5-6	RESISTOR, NTKW. 390/750-7 16 DIP	478 073 90
RP7-8	RESISTOR, NTKW. 10K-3 6P SIP	478 055 90
RP9	RESISTOR, NTKW. 1K-9 10P SIP	478 032 90
RP10-11	RESISTOR, NTKW. 10K-9 10P SIP	478 091 90
RP12-13	RESISTOR, NTKW. 22K-9 10P SIP	478 020 90
SW1	SWITCH, DIP, 8POS,16PIN	510 105 90
U1-2	IC, STEPPER MOTOR DRIVER	321 029 90 #
U3,11-12	IC, STEPPER MOTOR DRIVER	321 029 90
U4	IC, HEX INVRTG BUFFER, 4049UB	320 295 90
U5-7,51-52	IC, S/REGR, 8 STAGE, 4021	320 103 90
U8-9,22-23	IC,10-BIT, SER DRV W/LTCH, 5810A	320 264 90
U10,15,17	OPTO, COUPLER, TRIAC, MOC3031	370 012 90
U13-14,19,28,30-32	OPTO, COUPLER, DARL, 6N139	370 007 90
U16,21,26,66	IC, INVR, HEX, SCHMIDT, 4584	320 038 90
U18,35	IC, BUF/DRVR, QUAD, 74HC126	320 321 90
U20,42,43	IC, DRVR DARL, 7-OUT	320 132 90
U24-25	OPTO, COUPLER, QUAD-ILQ-1	370 016 90
U27	IC, DUART, 2681A, 28 PIN	321 006 90
U29	OPTO, COUPLER, DUAL, ILD-2	370 033 90
U33-34,44,48	OPTO, COUPLER, DARL, 6N139	370 007 90
U36,38,54	IC, INVERTER, HEX, 74HC04	320 272 90
U37	IC, GATE, AND, QUAD, 2-IN, 74HC08	320 273 90
U39	OPTO, COUPLER, TRANS, H11A1	370 003 90
U40,41	IC, DCDR, 3 TO 8 LINE, 74HC138	320 274 90
U45	IC, OCTAL D F/F TRI, 74HC574	320 262 90
U46-50	IC, LATCH, OCTL, TRANSP, 74HC573	320 309 90
U47	REGR, POS, ADJ,1.5A, LM317T	488 025 90
U53	IC, REGR, SHF/STR, 4094B	320 108 90
U55	IC, SOUND GEN, GAMES, AY38912	320 089 90
U56	RAM, STATIC, C-MOS 8KX8, 15ONS	706 005 90
U59	MICROPROCESSOR,12MHZ, 80C32, 40P	327 045 90
U60	REGR, 5V, 100MA, 3TR, LM340LAZ-5.0	488 035 90
U61	IC, COUTR, DUAL 4 BIT, 74HCT393	320 366 90
U62	IC, AUDIO, POWER, 1.5W, LM388	324 004 90
U63	IC, CNTR,12 STAGE, BIN 4040	320 105 90
U64	IC, F/F, DUAL, J-K 4027	320 201 90
U65	IC, MLTVBR, DUAL MONO, 4098B	320 140 90
U67	IC, COMPTR QUAD VOLT, LM3302	320 130 90
U68	IC, QUAD 2 TO 1 MUX, 40257	320 630 90
Y1	CRYSTAL, 3.684 MHZ	230 123 90
Y3	CRYSTAL, 10 MHZ	230 121 90
* 755 110 00 only		
+ 755 110 01 only		
# 755 110 02 only		

