TRS80_Model_I_G_E1B_BOM

Component Count:	230			
Ref	**Qnty**	**Value**	**Cmp name**	**Description**
C1	1	220uF 16V	C_Polarized	Polarized capacitor
C2, C4, C5, C10, C11, C57	6	10uF 16V	C_Polarized	Polarized capacitor
C3, C7, C14, C15	4	0.01uF 24V	C	Unpolarized capacitor
C6	1	100uF 16V	C_Polarized	Polarized capacitor
C8	1	2200uF 35V	C_Polarized	Polarized capacitor
C9	1	10000uF 16V	C_Polarized	Polarized capacitor
C12, C13	2	470pF	C	Unpolarized capacitor
C16, C17, C18, C19, C22, C23, C29, C31, C33, C35, C36, C37, C38, C39, C40, C41, C44, C45, C46, C47, C48, C49, C50, C51, C52, C53, C54, C55, C56, C58	30	0.1uF 12V	C	Unpolarized capacitor
C20	1	330pF	C	Unpolarized capacitor
C21	1	750pF	C	Unpolarized capacitor
C24, C25	2	220pF	C	Unpolarized capacitor
C26	1	0.047uF	C	Unpolarized capacitor
C27	1	0.022uF	C	Unpolarized capacitor
C28, C30, C32, C34	4	0.1uF 25V	C	Unpolarized capacitor
C42	1	22uF 16V	C_Polarized	Polarized capacitor
C43	1	47pF	C	Unpolarized capacitor
C_C58	1	0.1uF 12V	C	Unpolarized capacitor
C_R67	1	220	R	Resistor
CR1	1	1N4735	D_Zener	Zener diode
CR2	1	1N5231	D_Zener	Zener diode
CR3, CR4, CR5, CR6, CR7	5	1N4148	D	Diode
CR8	1	MDA202	D_Bridge_+AA-	Diode bridge, +ve/AC/AC/-ve
CR9, CR10	2	1N982	D_Schottky	Schottky diode
J1, J2, J3	3	Front View	DIN-5_180degree	5-pin DIN connector (5-pin DIN-5 stereo)
J4	1	Edge Connector	Conn_02x20_Odd_Even	Generic connector, double row, 02x20, odd/even pin numbering scheme (row 1 odd numbers, row 2 even numbers)
J100	1	Connection Mainboard Side	Conn_01x20	Generic connector, single row, 01x20
K1	1	Relay_SPST-NO	TRS80_Model_I_Relay_NO	Relay SPST, Normally Open, EN50005
Q1	1	2N3904	2N3904	0.2A Ic, 40V Vce, Small Signal NPN Transistor, TO-92
Q2, Q5	2	2N3906	2N3906	-0.2A Ic, -40V Vce, Small Signal PNP Transistor, TO-92
Q3	1	TIP29A	Q_NPN_BCE	NPN transistor, base/collector/emitter
Q4	1	2N6594	Q_PNP_BEC	PNP transistor, base/emitter/collector
Q6	1	MJE34	Q_PNP_BCE	PNP transistor, base/collector/emitter
R1	1	68	R	Resistor
R2	1	2.7k	R	Resistor
R3	1	750	R	Resistor
R4	1	0.33	R	Resistor
R5, R10	2	1k	R_Potentiometer	Potentiometer
R6, R7, R16, R53	4	1.2k	R	Resistor
R8	1	100k	R	Resistor
R9, R11, R12	3	3.3k	R	Resistor
R13	1	2.2k	R	Resistor
R14	1	12k	R	Resistor
R15	1	1.5k	R	Resistor
R17	1	2k	R	Resistor
R18	1	5.6	R	Resistor
R19	1	220	R	Resistor
R20, R21	2	100k	R_Potentiometer	Potentiometer
R22	1	75	R	Resistor
R23	1	120	R	Resistor
R24	1	680k	R	Resistor
R25	1	1.6M	R	Resistor
R26, R42	2	1M	R	Resistor
R27, R64	2	330	R	Resistor
R28	1	270	R	Resistor
R29	1	1.8k	R	Resistor
R30	1	47	R	Resistor
R31	1	10	R	Resistor
R32, R43, R44, R47, R65	5	10k	R	Resistor
R33, R36	2	360k	R	Resistor
R34, R35, R38, R41, R45	5	470k	R	Resistor
R37	1	560k	R	Resistor

R39, R40, R48, R49, R50, R51, R57, R58, R59, R60, R61, R62, R63, R66, R67, R68, R69	17	4.7k	R	Resistor
R46, R52	2	910	R	Resistor
R54, R55	2	7.5k	R	Resistor
R56	1	220k	R	Resistor
S1	1	~	SW_4PST	
S2	1	Reset	SW_DPST	
Y1	1	10.6445 MHz	Crystal	Two pin crystal
Z1, Z2	2	LM723C	LM723C_1	Linear Regulator (adjustable)
Z3, Z71	2	~	TRS80ModellX71	
Z4	1	LM3900	LM3900	Quad operational amplifier
Z5	1	74C00	74LS00	quad 2-input NAND gate
Z6, Z57	2	74C04	74LS04	Hex Inverter
Z7, Z69, Z70	3	74LS74	74LS74	Dual D Flip-flop, Set & Reset
Z8	1	74LS153	74LS153	Dual Multiplexer 4 to 1
Z9, Z42, Z52	3	74LS04	74LS04	Hex Inverter
Z10, Z11	2	74LS166	74LS166	Shift Register 8-bit, parallel load
Z12, Z32, Z50, Z65	4	74LS93	74LS93	Divide by 2 & 8 counter
Z13, Z14, Z15, Z16, Z17, Z18, Z19, Z20	8	MK4116	4116	16kBit x 1 Bit Dynamic RAM
Z21	1	74LS156	74LS156	Dual 2 to 4 lines Decoder/Demultiplexer, Open Collector
Z22, Z38, Z39, Z44, Z55, Z60, Z67, Z68, Z72, Z75, Z76	11	74LS367	74LS367_Split	Hex buffer 3-State outputs
Z23, Z25, Z36, Z73	4	74LS32	74LS32	Quad 2-input OR
Z24, Z53	2	74LS132	74LS132	Quad 2-input NAND Schmitt trigger
Z26	1	74LS20	74LS20	Dual 4-input NAND
Z27, Z59	2	74LS175	74LS175	4-bit D Flip-Flop, reset
Z28	1	74LS174	74LS174	Hex D-type Flip-Flop, reset
Z29	1	MCM6670	MCM6670P	128 x 7 x 5 Character Generator
Z30, Z37	2	74LS02	74LS02	quad 2-input NOR gate
Z31, Z35, Z43, Z49, Z51, Z64	6	74LS157	74LS157	Quad 2 to 1 line Multiplexer
Z33	1	2364_20L	2364_20L	2364 64kBit (8kb x 8) PROM
Z34	1	2332_20L_21L	2332_20L_21L	2332 32kBit (4kb x 8) PROM
Z40	1	Z80CPU	Z80	Z80 CPU
Z41	1	75452	75452	Dual-Peripheral Drivers for High-Current, High-Speed Switching
Z45, Z46, Z47, Z48, Z61, Z62, Z63	7	2102	2102_1	1K Static RAM (SRAM)
Z54	1	74LS30	74LS30	8-input NAND
Z56, Z58	2	74LS92	74LS92	Divide by 12 counter
Z66	1	74LS11	74LS11	Triple 3-input AND
Z74	1	74LS00	74LS00	quad 2-input NAND gate