

PC BOARD  
SILKSCREEN  
DESIGNATOR

## PART NO.

## DESCRIPTION

## PRICE

PC BOARD SILKSCREEN DESIGNATOR	PART NO.	DESCRIPTION	PRICE
✓ R1	RC07GF152J	1.5K (BROWN-GREEN-RED)	\$ .20
✓ R2, R48	RC07GF222J	2.2K (RED-RED-RED)	.20 EA.
✓ R3	RC07GH512J	5.1K (GREEN-BROWN-RED)	.20
✓ R4	RC07GF474J	470K (YELLOW-VIOLET-YELLOW)	.20
✓ R5, R40, R8, R50	RC07GF221J	220 OHM (RED-RED-BROWN)	.20 EA.
✓ R6	RC07GF472J	4.7K (YELLOW-VIOLET-RED)	.20
✓ R7, R10, R11, R12, R13, R32, R33, R34, R35, R36, R38, R39, R42, R47, R49	RC07GF102J	1K (BROWN-BLACK-RED)	.20 EA.
✓ R9	RC07GF122J	1.2K (BROWN-RED-RED)	.20
✓ R14	RC07GF220J	22 OHM (RED-RED-BLACK)	.20
✓ R15 - R30	RC07GF100J	1 OHM (BROWN-BLACK-GOLD)	.20 EA.
✓ R31, R37, R41, R43, R44, R45	RC07GF331J	330 OHM (ORANGE-ORANGE-BROWN)	.20 EA.
✓ R46	RC07GF821J	820 OHM (GRAY-RED-BROWN)	.20
✓ R51	RC07GF---J	TRIM 10K-51K (OPTIONAL)	.20
✓ R52	RC07GF---J	TRIM 10K-51K (OPTIONAL)	.20
RU1 - RU3	760-5-R1.5K/3.3K	14 PIN DIP RESISTOR NETWORK (OPTIONAL)	3.25 EA.
RU4 - RU6	760-5-R1.5K/3.3K	14 PIN DIP RESISTOR NETWORK (REQUIRED)	3.25 EA.
✓ RU7	750-101-R1K	10 PIN - 9 RESISTOR SIP	2.25
✓ RU8	750-81-R1K	8 PIN - 7 RESISTOR SIP	2.25

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<del>C1, C2, C3, C5, C7, C8, C11, C12, C16, C17, C18, C26, C29, C30, C31, C34, C35, C36, C37, C41, C42, C44</del>	CK05BX104K	0.1 MF CERAMIC CAPACITOR	\$ .60 EA.

<del>C4</del>	CM05FD101J03	100 PF MICA CAPACITOR	.60
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<del>C6, C13, C14, C15, C20, C22, C28, C32, C38, C39, C40</del>	C43C103Z	0.01 MF TUBULAR CAPACITOR	.60 EA.
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<del>C9</del>	CK05BX330K	33 MF CERAMIC CAPACITOR	.70
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<del>C10</del>	- NOT USED -		
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<del>C19, C21, C25, C27, C43, C33</del>	150D156X002082	15 MF, 20 VOLT TANT. CAPACITOR	1.65 EA.
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<del>C23</del>	CM05FD471J03	470 PF MICA CAPCITOR	.95
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<del>C24</del>	- NOT USED -		
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<del>L1</del>	- NOT USED -		
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PART NO.	DESCRIPTION	PRICE
U1	LM723CH	TO-100 VOLTAGE REGULATOR \$ 3.75
U2	NE555	TIMER .75
U3, U4	SN74LS113	DUAL J-K FLIP-FLOP .70 EA.
U5	SN74S04	HEX INVERTER .70
U6, U14, U20, U31	SN74LS04	HEX INVERTER .60 EA.
U7, U32, U33, U39, U42	SN74LS32	QUAD 2-INPUT OR GATE .60 EA.
U8, U37	SN74LS08	QUAD 2-INPUT AND GATE .60 EA.
U9, U25, U26, U34, U41, U44, U49	SN74LS244	OCTAL LINE DRIVERS/RECEIVER (NON-INVERTING) 2.15 EA.
U10, U35, U36, U43, U45, U46, U47, U48	SN74LS240	OCTAL LINE DRIVER/RECEIVER (INVERTING) 2.30 EA.
U11	000710	WAIT STATE DECODER ROM 10.00
U12	SN74LS175	QUAD D-TYPE FLIP-FLOPS 1.20
U13	SN74LS10	TRIPLE 3-INPUT NAND GATE .60
U15, U16, U17	SN74LS74	DUAL D-TYPE FLIP-FLOP .70 EA.
U18	SN74S08	QUAD TWO-INPUT AND GATE .75
U19	SN74LS173	4-BIT D-TYPE REGISTER 1.20
U21, U27, U29	SN74LS30	8-INPUT NAND GATE .60 EA.
U22	Z-80A	MICROPROCESSOR UNIT 15.00
U23	444-19	HEATH H-17 CONTROLLER ROM (SUPPLIED BY USER) -
U24	FW-Z80	FRONT PANEL MONITOR ROM 50.00
U28	SN74LS145	BCD-T0-DECIMAL DECODER 2.20
U30	SN74LS85	4-BIT COMPARATOR 1.80
U38	SN74LS00	QUAD 2-INPUT NAND GATE .60

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PART NO.	DESCRIPTION	PRICE
U40	SN75452 DUAL PERIPHERAL DRIVER	\$ 1.50
U50	SN74LS148 8-LINE TO 3-LINE ENCODER	2.75
U51	SN74S244 OCTAL LINE DRIVER/RECEIVER (NON-INVERTING)	4.15
Q1	2N4400 NPN TRANSISTOR	.45
Q2	2N3906 PNP TRANSISTOR	.75
Q3-Q6	TIP-31A NPN POWER TRANSISTOR	.75 EA.
XL1	000700 8.192 MHZ CRYSTAL	10.00
D1	000310 RED DIFFUSED L.E.D.	.60
SW1	206-2 2 DIP SWITCHES 4-PIN PKG	2.50
SW2, SW3	206-8 8 DIP SWITCHES 16-PIN PKG	2.75 EA.
VR1	LM340T-12 POSITIVE 12-VOLT REGULATOR	2.45
VR2	1N5231A 5.1 VOLT ZENER DIODE	.75
P1, P10, P11, P12, P13, P14, P15, P18, P19, P20, P21, P22, P23, P25, P29	2-10-0021 2-PIN GOLD CONNECTOR STRIP	.50 EA.
P2, P3, P4, P5, P6, P16, P17, P24, P30	22-10-0031 3-PIN GOLD CONNECTOR STRIP	.60 EA.
P7, P9	- 6-PIN GOLD CONNECTOR STRIP	-
P8, P26, P27	- 8-PIN GOLD CONNECTOR STRIP	-
P28	- 9-PIN GOLD CONNECTOR STRIP	-
PA	- 14-PIN GOLD CONNECTOR STRIP	-
PB	- 12-PIN GOLD CONNECTOR STRIP	-

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CN1, CN2	22-16-2251	25-PIN GOLD PC BOARD CONNECTOR	\$ 6.50 EA.
CN3	000315	5-PIN GOLD CONNECTOR STRIP	.75
CN4	3100-3-103-17	3-PIN GOLD RIGHT-ANGLE CONNECTOR	1.50

## MISCELLANEOUS PARTS

QUANTITY REQUIRED	PART NUMBER	DESCRIPTION	PRICE
1	100199	Z-H8 PRINTED CIRCUIT BOARD	\$ 100.00
1	100198	Z-H8 DOCUMENT PACKAGE	25.00
1	000800	Z-H8 UTILITY DISK	20.00
1	000102	METAL MOUNTING BRACKET	4.50
3	22-10-2251	25 PIN GOLD CONNECTOR STRIP	2.75 EA.
5	000062	ROUND HEAD 4-40 X 1/2 SCREW	.20 EA.
5	000082	HEX NUT 4-40	.10 EA.
5	000092	LOCK WASHER #4	.10 EA.
5	000030	PLASTIC SPACER WASHER #4	.10 EA.
5	000040	SHOULDER WASHER INSULATOR #4	.20 EA.
6	000007	TO-220 HEAT TRANSFER PADS	.30 EA.
2	000070	PAN HEAD 6-32 X 3/8 SCREW	.20 EA.
1	000305	CONNECTOR KEY	1.50
1	000306	DOUBLE-SIDED ADHESIVE FILM	.30
1	000320	3-HOLE CONNECTOR SHELL	1.50
2	000322	GOLD PLATED SPRING CLIP	.30 EA.
1	000111	WIRE 18 IN. #22 ORANGE STRANDED	.75
1	000121	WIRE 18 IN. #22 BLACK STRANDED	.75
1	000181	WIRE 6 FEET #30 INS. WIRE WRAP	.50
1	000150	BUSS WIRE #26 TINNED 6 IN.	.20
1	000160	SLEEVING FOR #26 BUSS WIRE 6 IN.	.30
1	000002	SOLDER 60/40 .032 DIA. 60 FEET	1.50
1	000260	TO-100 SOCKET GOLD	2.25
1	000250	IC SOCKET 40 PIN GOLD	2.10
2	000240	IC SOCKET 24 PIN GOLD	1.60 EA.
16	000200	IC SOCKET 20 PIN GOLD	.95 EA.
6	000210	IC SOCKET 16 PIN GOLD	.75 EA.
29	000220	IC SOCKET 14 PIN GOLD	.70 EA.
2	000230	IC SOCKET 8 PIN GOLD	.35 EA.
1	000103	HEAT SINK BUMPER	.50