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68retro MP-02 6802 Processor Board Rev. 3
Bill of Material

Qty	Designator	Description
4	R1,R2,R3,R4,R5	3k3 1/4W 5% Resistor
3	RN1,RN2,RN3	Resistor Network 9 Pin, 8 Common 100k
1	C1	1uF RB 16vW Electrolytic Capacitors 0.1" spacing Reset Capacitor (Use without IC1) 10nF 50V Ceramic Capacitor (if IC1 installed)
2	C2,C3	33pF 100V Ceramic capacitor 0.2" spacing
10	C4, C5, C6, C7, C9, C10, C11, C12, C13, C14	100nF 50V Monolithic capacitors 0.2" spacing
1	C8	10uF RB 16vW Electrolytic Capacitors 0.1" spacing
4	IC2,IC4,IC5,IC7	14 pin Dual Wipe IC socket (optional)
1	IC6	16 pin Dual Wipe IC socket (optional)
1	IC8	20 pin Dual Wipe IC socket (optional)
1	IC9	28 pin Dual Wipe IC socket (optional)
1	IC10	32 pin Dual Wipe IC socket (optional)
1	IC3	40 pin Dual Wipe IC socket (optional)
5	CN1	10 Way Molex KK 4455 Series Tin (22-15-2106)
6	J2,J3,J4,J5,J6,J7	3 Pin 0.1" spacing pin headers.
1	'RE'	2 Pin 0.1" spacing pin header.
1	IC1	DS1233-5 TO-92 (optional)
2	IC2,IC5	74HC30 8-Input NAND 14 Pin DIP
1	IC3	MC6802P Microprocessor 40 Pin DIP
1	IC4	74HC04 Hex Inverter 14 Pin DIP
1	IC6	74HC138 3 to 8 Line Decoder 16 Pin DIP
1	IC7	74HC00 Quad NAND Gate 14 Pin DIP
1	IC8	74HC688 8-bit Magnitude Comparator 20 Pin DIP
1	IC9	EPROM,EEPROM 2k to 64k (x8) 28 pin socket.
1	IC10	SRAM 2k to 512k (x8) 32 pin socket.
1	X1	4MHz Crystal HC49
1	SW1 'Reset'	Omron 6mm x 6mm B3F-1nnn or equivalent
3	SW2,SW3,SW4	8 position DIP Switch
7		2 Pin Shunts 0.1"
1	PCB	68retro MP-02 Rev. 3