

PROM Programmer Board BOM

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1,7	10uF/10V	Electrolytic capacitor			2
C2,3	47n	Ceramic capacitor			2
C5	10uF/30V	Electrolytic capacitor			1
C6	22uF/16V	Electrolytic capacitor			1
C8,9	330p	Ceramic capacitor			2
D1,2,3,4,5,6,8	1N4002	Silicon diode	Fit D8 only for 4.4V verify		7
D7	BZX85 5V6 1W	Zener diode			1
IC1	INS8255	Programmable peripheral interface			1
IC2,6	74LS138	3 to 8-line decoder			2
IC3	74LS00	Quad 2-input NAND			1
IC4	74C906	Hex open drain n-channel buffer			1
IC5	CD4016B	Quad analog switch			1
J1	0.1" x 29	Link between main PCB and front panel	Optional ribbon cable		1
J2	0.2" header x 3	For connection of 12 and 26V supplies	Optional		1
LK1	0.1" header x 8	Selects board Block	Linked on PCB		0
LK2	0.1" header x 8	Selects board Page	Linked on PCB		0
LK3	0.1" header	VMA	Linked on PCB		0
LK4	0.1" header	4.4V verify	Linked on PCB (cut for 4.4V verify)		0
LK5	0.1" header	Connects 12V from backplane	Open on PCB		0
LK6	0.1" header	Connects 26V from backplane	Open on PCB		0
PL1	DIN 41612 AB 64-way	Right angle plug			1
Q1,3,5,6,7,8	BC237	NPN transistor			6
Q2	BC307	PNP transistor			1
Q4	2N3053	NPN transistor			1
R1,2,6,16,17,18,19	4k7	250mW resistor			7
R3,4,5,7,8,13,14	10k	250mW resistor			6
R9,15	100k	250mW resistor			2
R12	47R 1W	1W resistor			1
R20,21	1K0	250mW resistor			2
SK1	16-pin	ZIF Socket		3M Textool	1
SK2	24-pin	ZIF Socket		3M Textool	1
IC3,4,5	14 pin	DIL socket			3
IC2,6	16 pin	DIL socket			2
IC1	40 pin	DIL socket			1