

1702A Programmer BOM

(Some parts ordered in stock quantities.)

Not used: C1

Qty	Order qty	Cost	Ext Cost	Ref Nos.	Vendor	Part#	Description
2	10	0.41	\$4.10	C4, C5	Mouser	K105K20X7RF53H5	cap, 1uF 50V, cer X7R
1	10	0.31	\$3.10	C2	Mouser	UPS1J101MPD	cap, 100uF 63V, elect
1			\$0.00	C3	have		cap, 0.1uF 50V cer
1			\$0.00	D1	have		LED, green
1			\$0.00	D2	have		1N5240 10V Zener diode
1			\$0.00	D3	have		LED, red
2			\$0.00	D4, D5	have	1N4148T	1N4148T diode
1	4	1.66	\$6.64	Q1	Mouser	BC141-16	BC141-16 transistor
1			\$0.00	Q2	have	2N3904	2N3904 transistor
19	30	0.19	\$5.70	Q3, Q4, Q5	Mouser	MPS8099G	MPS8099 transistor, 80V, 500mA, NPN
1			\$0.00	R1	have		resistor, 120 1/4W
1			\$0.00	R2	have		resistor, 2.4 1/4W
18	25	0.08	\$2.00	R20, R21, R22	Mouser	293-6.8K-RC	resistor, 6.8K 1/2W
19			\$0.00	R3, R4, R5	have		resistor, 1.8K 1/4W
1			\$0.00	R39	have		resistor, 3.3K 1/2W
1			\$0.00	R41	have		resistor, 200 1/4W
1			\$0.00	R42	have		resistor, 4.7K 1/2W
2	2	8.58	\$17.16		Mouser	224-1275-09-0602J	socket, ZIF, 24-pin, 0.6" spacing, 3M
1	0		\$0.00		have		Perf board
1	1	4.49	\$4.49	K1	Fry's	R40-11D2-24	relay, DPDT 24V 8mA
1	1	4.49	\$4.49	K2	Fry's	R40-11D2-5/6	relay, DPDT 5V 30mA
3	3	0.79	\$2.37		Fry's	1910430	hood, plastic chrome for adapter connectors
1	1	1.69	\$1.69		Fry's	1910256	connector, right angle, PC mount, 25P female
2	10	0.45	\$4.49		Fry's	1983434	connector, 25P male, (10-pack)
2	10	0.45	\$4.49		Fry's	1983412	connector, 25P female, (10-pack)
1			\$0.00		have		heatsink for TO39 (Q1)
Total			\$60.72				

Additional Purchases and Materials

1	1	\$59.00	\$59.00	Ohmdepot/eBay	D_rase	Portable Eprom Eraser--New In Box
10	10	\$2.50	\$25.00	jaxe/eBay	C1702A	1702A EPROM, AMD NOS
1						cable, DB25 male to DB25 male, 6-10'
4						10-24 x 1" machine screw for legs
4						#10 lockwasher for legs
4						#10 nut for legs
2						4-40 x 3/8" machine screw for PC mt DB25
2						#4 lockwasher for PC mt DB25
2						#4 nut for PC mt DB25
4						grommet, rubber, 1/8" bore diameter for feet
						wire, #30 wirewrap for board wiring
						wire, fine insulated for adapter cable
6						cable tie, small for adapter cable