

PDP-8/e 32K RAM Board Parts List

Note: Some parts were purchased in higher quantities, so prices might reflect that.

Qty	Cost	Ext Cost	Ref #	Vendor	Part#	Description	Comment
1	0.79	\$0.79	B1	Jameco	355434	battery holder for cr2032	
1	1.25	\$1.25	B1	Jameco	14162	battery,lithium,3v,180mah,CR2032	
1	0.24	\$0.24	C10	Mouser	80-ESY107M025AE3AA	capacitor aluminum 100uF 25V radial 105C	lay down on side for clearance
7	0.10	\$0.70	C3-C9	Mouser	80-C320C104K5R	capacitor ceramic 0.1uF 50V	
1	0.07	\$0.07	C2	Mouser	140-50S5-201J-RC	capacitor ceramic 200pF	
1	1.83	\$1.83	C10	Mouser	810-FK22X7R1E226M	capacitor ceramic 22uF 25V 20% X7R	
2	0.37	\$0.74	D1,D2	Mouser	771-BAT86113	diode Schottky BAT86	
2	0.69	\$1.38	IC1,IC2	Mouser	595-SN74ABT245BN	IC 74ABT245 Bus Transceiver Tri-State Octal	
1	0.89	\$0.89	IC8	Mouser	595-SN74ABT540N	IC 74ABT540 buffer/inverter tristate octal	could use 74ACT04 but see text
1	0.58	\$0.58	IC5	Mouser	595-CD74ACT138E	IC 74ACT138 3-8-line decoder	
1	0.67	\$0.67	IC7	Mouser	595-CD74ACT20E	IC 74ACT20 4-input NAND dual	
1	0.37	\$0.37	IC6	Mouser	595-CD74HCT30EE4	IC 74HCT30 8-input NAND	
2	3.85	\$7.70	IC3,IC4	Mouser	727-CY62256NLL70PXC	IC CY62256 32K x 8 SRAM	
1	60.31	\$60.31		Douglas Electronics	12-DE-8	PCB prototyping 36 dip positions plus large dips	
2	0.10	\$0.20	R6,R7	Mouser	291-100K-RC	resistor 100K 1/4W 5%	
4	0.10	\$0.40	R1-R4	Mouser	291-10K-RC	resistor 10K 1/4W 5%	
1	0.48	\$0.48	R5	Mouser	71-MDP160310K0FE04	resistor pack 16pin 10K	
2	0.55	\$1.10		Jameco	37197	socket,IC,14pin,machine tooled	
2	0.75	\$1.50		Jameco	37402	socket,IC,16pin,machine tooled	one for resistor pack
3	0.69	\$2.07		Jameco	38623	socket,IC,20pin,machine tooled	
2	1.25	\$2.50		Jameco	40329	socket,IC,28pin,machine tooled 0.6"W	
1	1.05	\$1.05	S1	Mouser	774-2068ST	switch dip 8xSPST 16pin	
1	0.10	\$0.10	Q1	Mouser	512-2N3904BU	transistor 2N3904 NPN	
1	8.75	\$8.75		modeltrainsoftware.cor	kynarwire 100ft red	wire hookup Kynar 28AWG 100ft spool	

Total: \$95.67