

32K Dynamic RAM Board

RefDes	Value	Description	Notes	Supplier Part No.	Quantity
C1	47pF	Ceramic capacitor (0.2" pitch)			1
C2	22uF	Electrolytic capacitor			1
C3-14	47n	Ceramic capacitor (0.2" pitch)			12
C15	100p	Ceramic capacitor (0.2" pitch)			1
IC1-16	4816	DRAM			16
IC17-19	74LS244	Octal buffer			3
IC20	74LS393	Dual 4-bit binary counter			1
IC21	74LS139	Dual 2 to 4 line decoder			1
IC22	74LS193	Synchronous up/down counter			1
IC23	74LS138	3 to 8 line decoder			1
IC24	74LS245	Octal bus transceiver			1
IC25	74LS132	Quad 2-input NAND schmitt			1
IC26	74LS02	Quad 2-input NOR gates			1
IC27	74LS74	Dual D-type flip flop			1
LK	wire link	VMA link	not required		0
LKA	0.1" Header x 8+1+3	Bank select			1
LKB	wire link	Clock select links			7
PL1	DIN41612 AB 64-way	Right angle plug			1
R1-11	33R	250mW resistor			11
R12	1K0	250mW resistor			1
R13	750R	250mW resistor	select on test		1
R14	100R	250mW resistor			1
R15-18	3K3	250mW resistor			4
R19-26	68R	250mW resistor			8
IC20,25,26,27	14 pin	DIL socket			4
IC1-16,21,22,23	16 pin	DIL socket			19
IC17-19,24	20 pin	DIL socket			4

Offboard Parts

	5HP 3U	Front panel with handle and fittings		Verotec 957-235349	1
		Panel brackets	or print your own	Verotec 173-12525	pair
	M2.5 x 10mm	Pan head screws			4
	M2.5	Nuts			4