

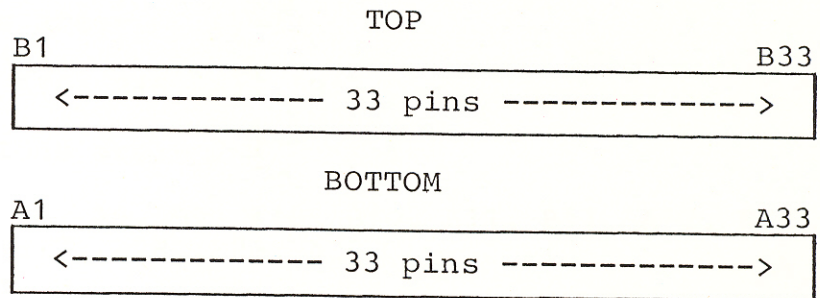
APPLICATION NOTE NO. 22.

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THE ENTERPRISE EXPANSION PORT.

This document gives details of the Enterprise expansion port connections. Great care should be exercised when using this information as damage to the computer could result from mis-use. Such damage is not covered by the Enterprise warranty.

Looking
into the
Expansion
Port.
(Double-
sided
edge
connector).



Inputs and outputs in order of pin numbers.

B1 = LH SOUND IN	A1 = RH SOUND IN	
B2 = \overline{WR}	A2 = \overline{RFSH}	
B3 = \overline{IORQ}	A3 = \overline{RD}	
B4 = +17*	A4 = +17*	
B5 = $\overline{NM1}$	A5 = \overline{MREQ}	
B6 = A9	A6 = A8	
B7 = A11	A7 = A10	
B8 = A13	A8 = A12	
B9 = A15	A9 = A14	
B10 = A1	A10 = A0	*Not connected.
B11 = A3	A11 = A2	
B12 = A5	A12 = A4	
B13 = A7	A13 = A6	
B14 = D1	A14 = D0	
B15 = D3	A15 = D2	
B16 = D5	A16 = D4	
B17 = D7	A17 = D6	
B18 = \overline{INT}	A18 = \overline{RESET}	
B19 = GND	A19 = \overline{WAIT}	
B20 = GND	A20 = $\overline{M1}$	
B21 = GND	A21 = 1M	
B22 = GND	A22 = \emptyset	
B23 = GND	A23 = 8M	
B24 = EC1	A24 = ECO	
B25 = EC3	A25 = EC2	
B26 = A16		
B27 = A18	A26 = \overline{EXTC}	
B28 = A20	A27 = A17	
B29 = 14M	A28 = A19	
B30 = VSYNC	A29 = A21	
B31 = \overline{EXP}	A30 = \overline{LOCATE}	
B32 = GND	A31 = GND	
B33 = +9	A32 = HSYNC	
	A33 = +9	

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Expansion connector assignments by function:-

System control bus connections are:-

A2, B3, A5, A3, B2, A20.

CPU control bus connections are:-

B5, A18, B18, A19.

Data bus connections are:-

A14, B14, A15, B15, A16, B16, A17, B17.

Address bus connections are:-

A6, B6, A7, B7, A8, B8, A9, B9, A10, B10, A11, B11, A12, B12, A13, B13, B26, A27, B27, A28, B28, A29.

Ground (OV) connections are:-

B19, B20, B21, B22, B23, B32, A31, A32.

+9v outputs are:-

A33, B33.

External colour inputs are:-

B24, B25, A24, A25, A26.

Clock outputs are:-

B29, A21, A23.

Video synchronisation outputs are:-

B30, B32.

Sound inputs are:-

A1, B1.