



**Electron, BBC B, B+, Master
 128 and Master Compact port
 pinouts.**

Applicable
 Hardware : N/A

Related
 Application
 Notes: N/A

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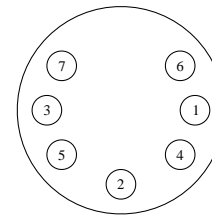
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Electron

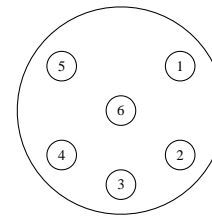
All Connectors viewed from outside

Connector: Cassette
 Type: 7-pin DIN



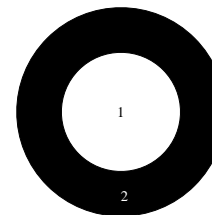
Pinout: 1 Output
 2 0V
 3 Input
 4 Output
 5 N/C
 6 } Motor Control
 7 }

Connector: RGB
 Type: 6-pin DIN



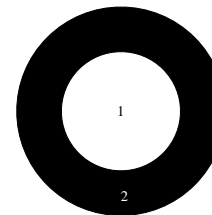
Pinout: 1 Red
 2 Green
 3 Blue
 4 Sync
 5 0V
 6 +5V

Connector: UHF
 Type: Phono



Pinout: 1 UHF
 2 Ground

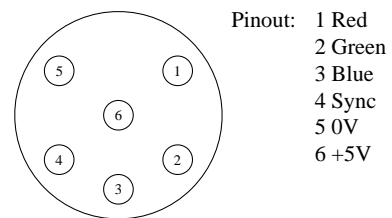
Connector: Video Out
 Type: Phono



Pinout: 1 Video
 2 Ground

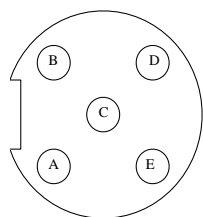
BBC Model B, B+ and Master 128.

Connector: RGB
Type 6-pin DIN



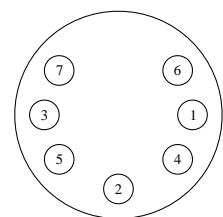
Pinout: 1 Red
2 Green
3 Blue
4 Sync
5 0V
6 +5V

Connector: RS 423
Type: 5-pin DIN



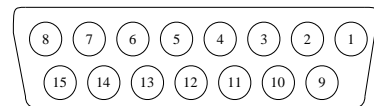
Pinout: A) Data in
B) Data Out
C) 0V
D) CTS
E) RTS

Connector: Cassette
Type: 7-pin DIN



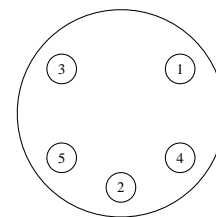
Pinout: 1 Output
2 0V
3 Input
4 Output
5 N/C
6 } Motor Control
7 }

Connector: Analogue in
Type: 15 way D-type socket



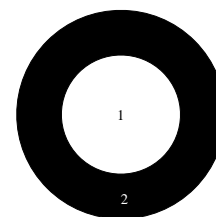
Pinout: 1 +5V 9 light pen strobe (not LPSTB)
2 0V 10 digital switch input (I1)
3 0V 11 voltage reference (VREF)
4 CH3 12 CH2
5 analogue ground 13 digital switch input (I0)
6 0V 14 voltage reference (VREF)
7 CH1 15 CH0
8 analogue ground

Connector: Econet
Type: 5-pin DIN



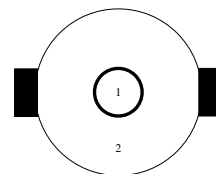
Pinout: 1 Data +
2 0V
3 Clock +
4 Data -
5 Clock -

Connector: UHF
Type: Phono

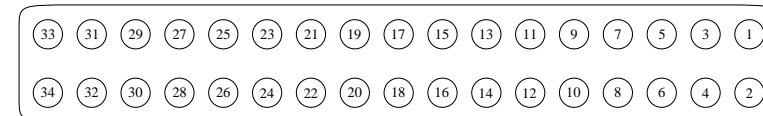


Pinout: 1 UHF
2 Ground

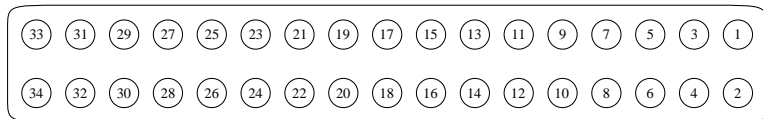
Connector: Video Out
Type: BNC



Pinout: 1 Video
2 Ground



Connector: Disc Drive
Type: 34-way IDC



Pinout

1 0V	10 <u>S0</u>	19 0V	28 <u>WR PCT</u>
2 (<u>S</u> /SEL 8")	11 0V	20	29 0V
3 0V	12 <u>S1</u>	21 0V	30 <u>R</u> /DATA
4 (<u>INX</u> 8")	13 0V	22 <u>W</u> /DATA	31 0V
5 0V	14 N/C	23 0V	32 <u>S</u> /SEL 5¼"
6 N/C	15 0V	24 <u>WR</u> /EN	33 0V
7 0V	16 <u>MOTOR</u>	25 0V	34 (<u>RDY</u> 8")
8 <u>INX</u> 5¼"	17 0V	26 <u>TK0</u>	
9 0V	18 notDIR	27 0V	

Connector: Parallel
Type: 26-way IDC

Pinout:

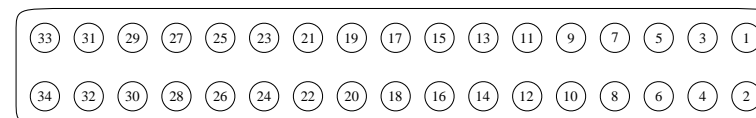
1 STB	8 0V	15 PA6	22 0V
2 0V	9 PA3	16 0V	23 N/C
3 PA0	10 0V	17 PA7	24 0V
4 0V	11 PA4	18 0V	25 N/C
5 PA1	12 0V	19 ACK	26 N/C
6 0V	13 PA5	20 0V	
7 PA2	14 0V	21 N/C	

Connector: User Port
Type: 20-way IDC

Pinout:

1 +5V	6 PB0	11 0V	16 PB5
2 CB1	7 0V	12 PB3	17 0V
3 +5V	8 PB1	13 0V	18 PB6
4 CB2	9 0V	14 PB4	19 0V
5 0V	10 PB2	15 0V	20 PB7

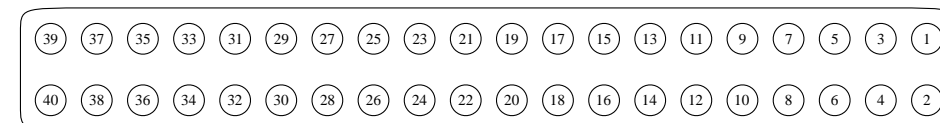
Connector: 1MHz Bus
Type: 34-way IDC



Pinout:

1 0V	10 <u>PGFC</u>	19 D1	28 A1
2 <u>R</u> / <u>W</u>	11 0V	20 D2	29 A2
3 0V	12 <u>PGFD</u>	21 D3	30 A3
4 1E	13 0V	22 D4	31 A4
5 0V	14 <u>RS</u>	23 D5	32 A5
6 <u>NMI</u>	15 0V	24 D6	33 A6
7 0V	16 audio in / out	25 D7	34 A7
8 <u>IRQ</u>	17 0V	26 0V	
9 0V	18 D0	27 A0	

Connector: Tube
type: 40-way IDC



Pinout:

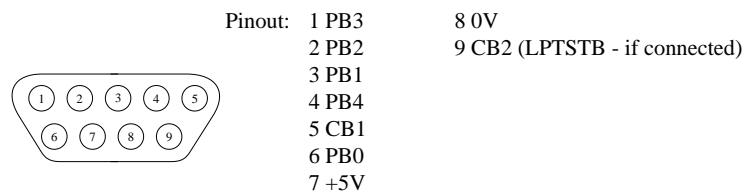
1 0V	11 0V	21 0V	31 +5V
2 <u>R</u> / <u>W</u>	12 D0	22 D5	32 A2
3 0V	13 0V	23 0V	33 +5V
4 2E	14 D1	24 D6	34 A3
5 0V	15 0V	25 0V	35 +5V
6 <u>IRQ</u>	16 D2	26 D7	36 A4
7 0V	17 0V	27 0V	37 +5V
8 <u>TUBE</u>	18 D3	28 A0	38 N/C
9 0V	19 0V	29 0V	39 +5V
10 <u>RS</u>	20 D4	30 A1	40 N/C

Master Compact

The majority of the Master Compact connectors are the same as the Model B and Master, however there are some different and additional connectors which are documented below.

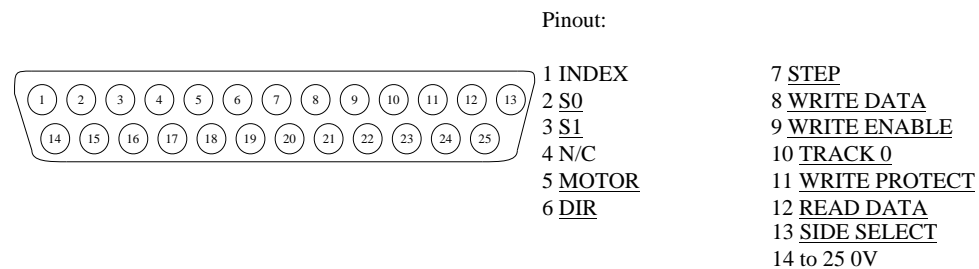
Connector: Joystick

Type: 9-pin D-type



Connector: Disc Drive

Type: 25-way D-type



Connector: Parallel

Type: 24-way Delta type D connector

