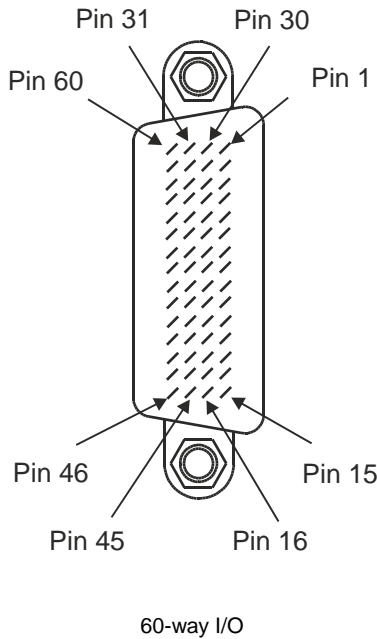


60-way High Density to DisplayPort, USB and RS232 splitter cable

Key Features

CB 60D/145-00 connects to the 60-way high-density plug connector on the front panel of a range of Concurrent Technologies' processor boards to provide a high quality cable with standard connectors including:

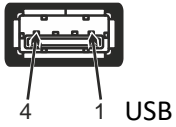
- 2 x DisplayPort® sockets, 2 x USB sockets and 1 x serial plug
- Supports N, E, and K-Series extended operation temperatures, where:
 - N-Series: 0°C to +55°C
 - E-Series: -25°C to +70°C
 - K-Series: -40°C to +85°C
 Note: below -20°C cable will function electrically but will have limited flexibility.
- The cable is approximately 300mm long and is designed to meet the EMC requirements for:
 - radiated emissions (EN55022)
 - radiated immunity (EN61000-4-3)



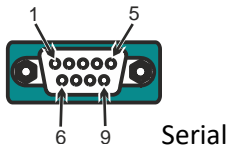
Part Number:
Molex® (0709292000) or equivalent

Pin	Function	Pin	Function	Pin	Function	Pin	Function
60	nc	31	DPD1 D0 GND	30	DPD1 D0-	1	nc
59	nc	32	DPD1 D1 GND	29	DPD1 D0+	2	nc
58	Output Enable	33	DPD1 D3-	28	DPD1 D1-	3	nc
57	DPD1 HotPlugD	34	DPD1 D3+	27	DPD1 D1+	4	nc
56	nc	35	DPD1 D3 GND	26	DPD1 D2-	5	DPD1 +3.3V
55	nc	36	DPD1 D2 GND	25	DPD1 D2+	6	DPD1 AUX-
54	nc	37	DPD1 DVID cable detect	24	DPD1 AUX GND	7	DPD1 AUX+
53	nc	38	DPD2 DVID cable detect	23	nc	8	DPD2 AUX GND
52	USB1 GND	39	Serial TxD	22	Serial RxD	9	DPD2 AUX+
51	USB1 +5V Power	40	DPD2 D2 GND	21	DPD2 D2-	10	DPD2 AUX-
50	Serial GND	41	DPD2 D3 GND	20	DPD2 D2+	11	DPD2 +3.3V
49	DPD2 HotPlugD	42	DPD2 D3-	19	DPD2 D1-	12	USB1 Data+
48	nc	43	DPD2 D3+	18	DPD2 D1+	13	USB1 Data-
47	USB2 +5V Power	44	DPD2 D1 GND	17	DPD2 D0-	14	USB2 Data+
46	USB2 GND	45	DPD2 D0 GND	16	DPD2 D0+	15	USB2 Data-

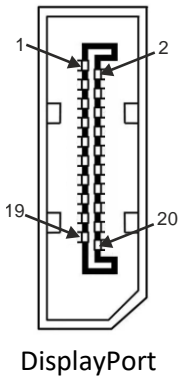
Notes: For correct operation with the processor board pin 58 (Output Enable) is connected to GND within the 60-way connector.
nc = not connected



Pin	Function	Pin	Function	Pin	Function	Pin	Function
4	GND	3	Data+	2	Data-	1	+5V Power



Pin	Function	Pin	Function	Pin	Function	Pin	Function	Pin	Function
1	nc	2	RxD	3	TxD	4	nc	5	GND
6	nc	7	nc	8	nc	9	nc	-	-



Pin	Function	Pin	Function
1	DPD D0+	2	DPD D0 GND
3	DPD D0-	4	DPD D1+
5	DPD D1 GND	6	DPD D1-
7	DPD D2+	8	DPD D2 GND
9	DPD D2-	10	DPD D3+
11	DPD D3 GND	12	DPD D3-
13	DPD DVID cable detect	14	nc
15	DPD AUX+	16	DPD AUX GND
17	DPD AUX-	18	DPD HotPlugD
19	DPD AUX GND	20	DPD +3.3V

Notes: Each of the connector shells and cable screens are connected to the 60-way HD connector shell.
nc = not connected