

## PMC4 Controller Connector – 37 way D Male.

Pin	Signal	Description
1	GND	Controller Power Supply.
2	+24V DC	Controller Power Supply.
3	VDDIO	Output Driver Common supply (Normally 24VDC).
4	VDDIO	Output Driver Common supply (Normally 24VDC).
5	VDDIO	Output Driver Common supply (Normally 24VDC).
6	VDDIO	Output Driver Common supply (Normally 24VDC).
7	VDDIO	Output Driver Common supply (Normally 24VDC).
8	DRV 8	High Current Driver Output (PNP).
9	DRV 9	High Current Driver Output (PNP).
10	DRV 10	High Current Driver Output (PNP).
11	DRV 11	High Current Driver Output (PNP).
12	DRV 12	High Current Driver Output (PNP).
13	DRV 13	High Current Driver Output (PNP).
14	DRV 14	High Current Driver Output (PNP).
15	DRV 15	High Current Driver Output (PNP).
16	DRV 16	BI-DIRECTIONAL I/O.
17	DRV 17	BI-DIRECTIONAL I/O.
18	DRV 18	BI-DIRECTIONAL I/O.
19	DRV 19	BI-DIRECTIONAL I/O.
20	GND	Linked to Pin 1
21	+24V DC	Linked to Pin 2
22	INP 0	Opto Isolated Digital Input.
23	INP 1	Opto Isolated Digital Input.
24	INP 2	Opto Isolated Digital Input.
25	INP 3	Opto Isolated Digital Input.
26	INP 4	Opto Isolated Digital Input.
27	INP 5	Opto Isolated Digital Input.
28	INP 6	Opto Isolated Digital Input.
29	INP 7	Opto Isolated Digital Input.
30	INP 8	Opto Isolated Digital Input.
31	INP 9	Opto Isolated Digital Input.
32	INP 10	Opto Isolated Digital Input.
33	INP 11	Opto Isolated Digital Input.
34	INP 12	Opto Isolated Digital Input.
35	INP 13	Opto Isolated Digital Input.
36	INP 14	Opto Isolated Digital Input.
37	INP 15	Opto Isolated Digital Input.

## PMC Controller Connector – 44 way D Female.

Pin	Signal	Description
1	A0	Encoder Channel
2	B0	Encoder Channel
3	Z0	Encoder Channel
4	A1	Encoder Channel
5	B1	Encoder Channel
6	Z1	Encoder Channel
7	A2	Encoder Channel
8	B2	Encoder Channel
9	Z2	Encoder Channel
10	A3	Encoder Channel
11	B3	Encoder Channel
12	Z3	Encoder Channel
13	Step0 / TTL1	Stepper / TTL Driver
14	Step2 / TTL5	Stepper / TTL Driver
15	GND	Ground
16	+5VE	Encoder Supply
17	A0\	Encoder Channel
18	B0\	Encoder Channel
19	AGND	Analogue Ground
20	A1\	Encoder Channel
21	B1\	Encoder Channel
22	+5VE	Encoder Supply
23	A2\	Encoder Channel
24	B2\	Encoder Channel
25	AGND	Analogue Ground
26	A3\	Encoder Channel
27	B3\	Encoder Channel
28	AGND	Analogue Ground
29	Step1 / TTL3	Stepper / TTL Driver
30	Step3 / TTL7	Stepper / TTL Driver
31	MC0	Motion Control Output
32	MC1	Motion Control Output
33	MC2	Motion Control Output
34	MC3	Motion Control Output
35	ADC0	Analogue Input
36	ADC1	Analogue Input
37	ADC2	Analogue Input
38	ADC3	Analogue Input
39	DIR0 / TTL0	Stepper Direction / TTL Driver
40	DIR1 / TTL2	Stepper Direction / TTL Driver
42	DIR2 / TTL5	Stepper Direction / TTL Driver
42	DIR3 / TTL6	Stepper Direction / TTL Driver
43	ENA C	Opto Isolated Collector
44	ENA E	Opto Isolator Emitter

## PMC Controller Connector – HD 15 way D Female.

Pin	Signal	Description
1	RX	RS232
2	TX	RS232
3	RTS	RS232
4	CTS	RS232
5	GND	
6	A	RS485
7	B	RS485
8	Y	RS485
9	Z	RS485
10	GND	
11	CAN H	CAN BUS
12	CAN L	CAN BUS
13	N/C	
14	N/C	
15	GND	