

CM2 & CM3 Pinout

CM2 & CM3 Pin Out List.		Controller		Connector - 9 Way Female D Type				Pin	Number				
Label	Description	1	A	RS485	2	RX	RS232	3	TX	RS232	4	Z	RS485
5	GND	GROUND	(0V)	6	Y	RS485	7	RTS	RS232	8	CTS	RS232	
9	B	RS485											

		Controller		Connector - 44 Way Male D Type				Pin	Number	Label	Description		
1	CHA0	Encoder	Channel 0 - 'A' Signal	2	CHB0	Encoder	Channel 0 - 'B' Signal	3	Z0				
	Encoder	Channel 0 Z pulse	4	CHA1	Encoder	Channel 1 - 'A' Signal	5	CHB1	Encoder				
	Channel 1 - 'B' Signal	6	Z1	Encoder	Channel 1 Z pulse	7	CHA2	Encoder	Channel				
2	'A' Signal	8	CHB2	Encoder	Channel 2- 'B' Signal	9	Z2	Encoder	Channel 2 Z pulse				
	10	n/c	-	11	n/c	-	12	n/c	-	13	STP0	Stepper	Axis 0 Command
14	STP2	Stepper	Axis 2 Command	15	GND	Ground	(0V)	16	5V	Encoder			
	Supply (5 Volt output)	17	CHA0N	Encoder	channel 0 - 'A' Signal	18	CHB0N	Encoder					
	channel 0 - 'B' Signal	19	GND	Ground	(0V)	20	CHA1N	Encoder	channel 1 - 'A' Signal				
	21	CHB1N	Encoder	channel 1 - 'B' Signal	22	5V	Encoder	Supply (5 Volt output)					
23	CHA2N	Encoder	channel 2 - 'A' Signal	24	CHB2N	Encoder	channel 2 - 'B' Signal						
25	GND	Ground	(0V)	26	n/c	-	27	n/c	-	28	GND	Ground	(0V)
	29	STP1	Stepper	Axis 1 Step	30	SP0	General	output 0	31	MC0	Motor	Command	
	O/P 0	32	MC1	Motor	Command O/P 1	33	MC2	Motor	Command O/P 2	34			
	MC3	Motor	Command O/P 3	35	VIN	Analogue	Input (optional)	36	n/c	-	37		
	n/c	-	38	n/c	-	39	DIR0	Stepper	Axis 0 Direction	40	DIR1	Stepper	Axis 1
	Direction	41	DIR2	Stepper	Axis 2 Direction	42	SP1	General	output 1	43	n/c		
	-	44	n/c	-									

		Controller		Connector - 37 Way Male D Type				Pin	Number	Label	Description	
	GND	24	Volt Supply	Ground (0V)	2	+24V	24	Volt Supply	3	DRV0	Driver	
	Output 0	4	DRV1	Driver	Output 1	5	DRV2	Driver	Output 2	6	DRV3	Driver
	Output 3	7	DRV4	Driver	Output 4	8	DRV6	Driver	Output 6	9	SOLCOM	
	Protection	Diode	Common	10	DRV	GND	Driver	Ground	11	OP/E	Amplifier	
	Enable Emitter	12	IP1	Digital	Input 1	13	IP3	Digital	Input	14	IP5	Digital
	Input	15	IP7	Digital	Input	16	IP9	Digital	Input	17	IP11	Digital
	18	IP13	Digital	Input	19	IP15	Digital	Input	20	GND	24	Volt Supply
	21	+24V	24	Volt Supply	22	DRV0	Driver	Output 0	23	DRV1	Driver	
	Output 1	24	DRV2	Driver	Output 2	25	DRV3	Driver	Output 3	26	DRV5	
	Driver	Output 5	27	DRV7	Driver	Output 7	28	DRV	GND	Driver	Ground	
	29	OP/C	Amplifier	Enable	Collector	30	IP0	Digital	Input 0	31	IP2	Digital
	2	32	IP4	Digital	Input 4	33	IP6	Digital	Input 6	34	IP8	Digital
	35	IP10	Digital	Input 10	36	IP12	Digital	Input 12	37	IP14	Digital	
											Input 14	