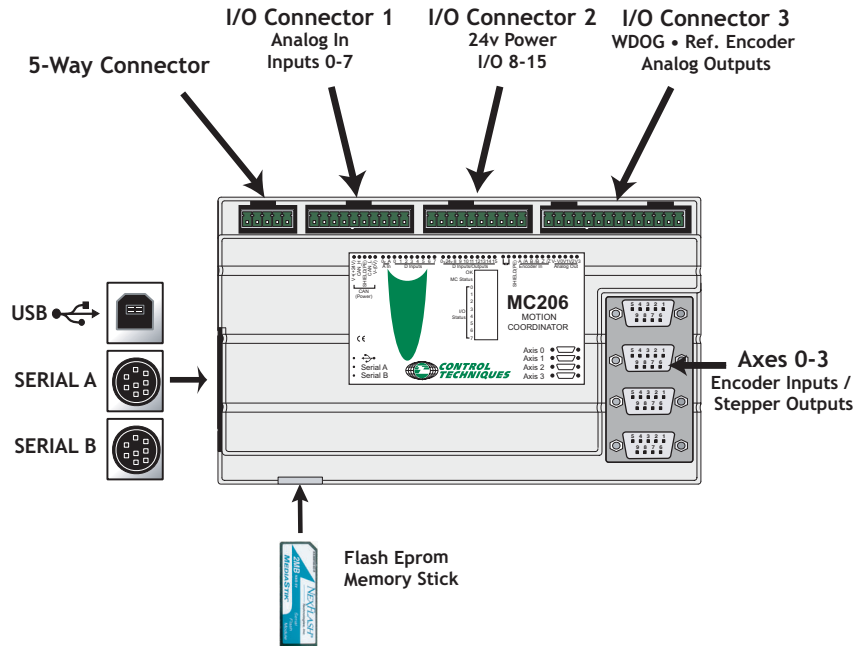


SEE TECHNICAL REFERENCE MANUAL FOR FULL INFORMATION

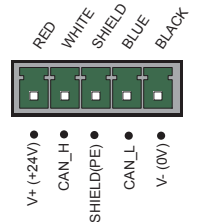


5-Way Connector

This is a 5 way 3.81mm pitch connector. The connector is used both to provide the 24 Volt power to the MC206 and provide connections for I/O expansion via the P315 and P325 CAN I/O expanders. 24Volts must be provided as this powers the unit.

This 24 Volt input is internally isolated form the I/O 24 Volts and the +/-10V voltage outputs.

The 24V (V+) and 0V (V-) MUST be connected as they power the MC206, The CAN connections are optional, although the CAN Screen should be connected to Earth in all cases.



MC206 Serial Connections

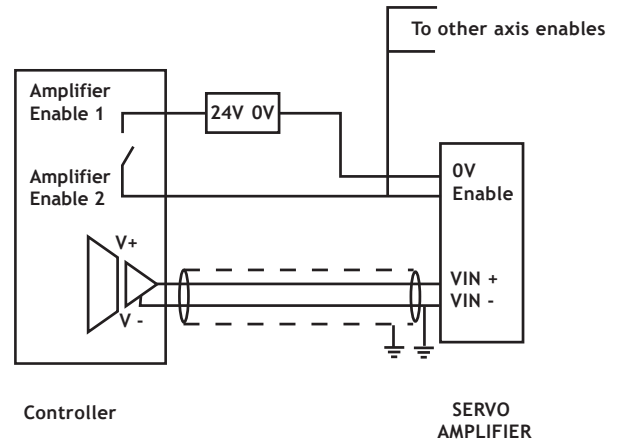
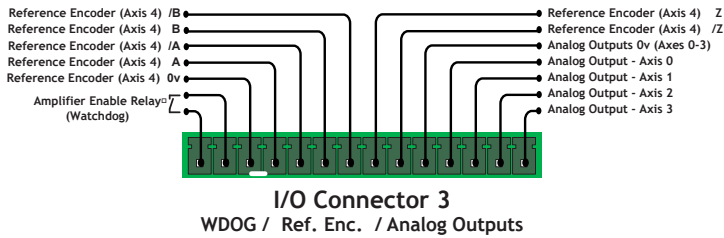
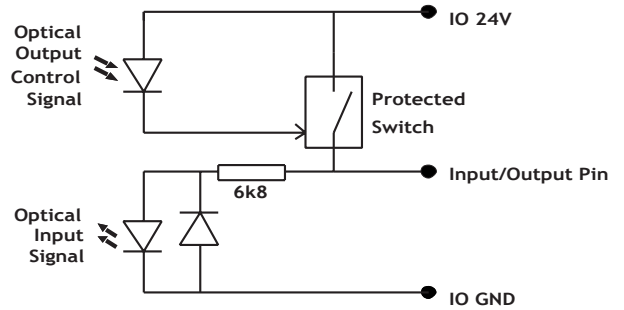
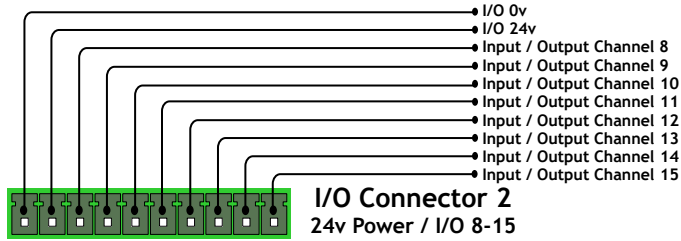
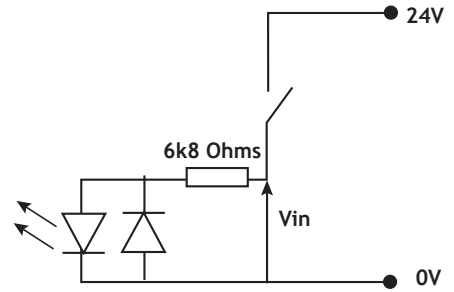
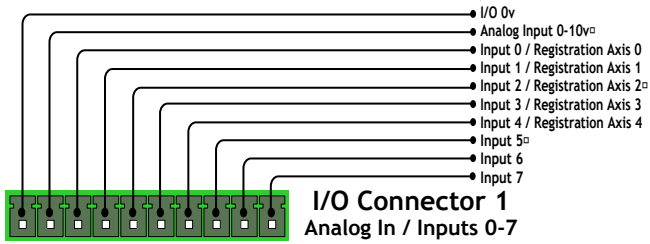


Serial Connector A		
Pin	Function	Note
1	Internal 5V	Do not connect
2	Internal 0V	
3	RS-232 Transmit	Serial Port #0
4	RS-232 Ground	
5	RS-232 Receive	
6	+ 5V Output	Do not connect
7	Externally buffered output (TTL)	
8	Externally buffered output (TTL)	

Note: Port 0 is the default programming port for connection to the PC running *Motion Perfect*.

Serial Connector B		
Pin	Function	Note
1	RS-485 Data In A	Serial Port #2
2	RS-485 Data In B	
3	RS-232 Transmit	Serial Port #1
4	RS-232 Ground	
5	RS-232 Receive	
6	Internal 5V	Serial Port #2
7	RS-485 Data Out Z	
8	RS-485 Data Out Y	

Motion Coordinator MC206 Quick Connection Guide

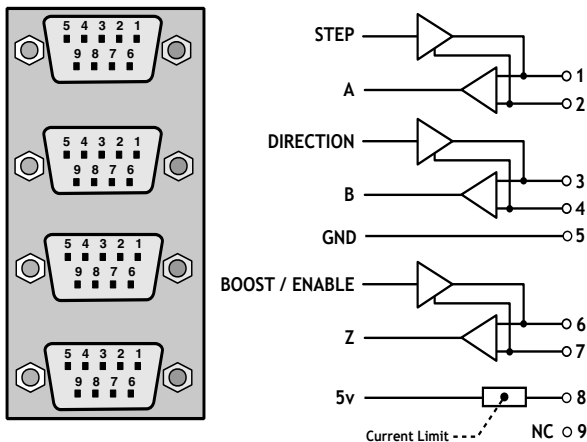


Amplifier Enable (Watchdog Relay Output)

An internal relay contact is used to enable external amplifiers when the controller has powered up correctly and the system and application software is ready. The amplifier enable is a single pole relay with a set of normally open contacts. The enable relay contact will be open circuit if there is no power on the controller OR a following error exists on a servo axis OR the user program sets it open with the WDOG=OFF command.

ALL STEPPER AND SERVO AMPLIFIERS MUST BE INHIBITED WHEN THE AMPLIFIER ENABLE OUTPUT IS OPEN CIRCUIT

MC206 - Stepper Outputs/Encoder Inputs



Pin	Servo Axis	Stepper Axis
1	Encoder A	Step +
2	Encoder /A	Step -
3	Encoder B	Direction +
4	Encoder /B	Direction -
5	GND	GND
6	Encoder Z	Boost +
7	Encoder /Z	Boost -
8	5V	5V
9	Not Connected	Not Connected