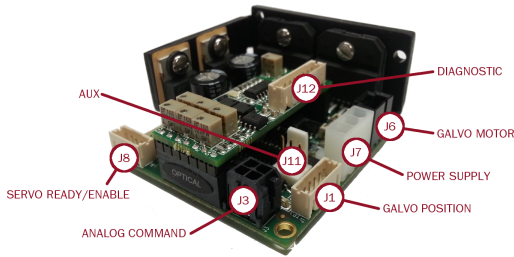


# QD-4000 Quick Connect Guide




## (J7 - Main Board) > Power Supply

Order Number	Pin	Signal	Type	Color	Notes
n/a 24" POWER CABLE (flying lead)	1	+V Supply	Power Input		Power (+15V to +24V)
	2	Ground	Power Input		Power ground (return)
	3	-V Supply	Power Input		Power (+-15V to -24V)

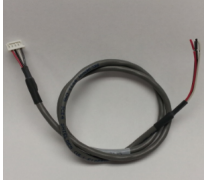
## (J3 - Main Board) > Analog Command

Order Number	Pin	Signal	Type	Color	Notes
n/a 24" COMMAND SIGNAL CABLE (flying lead)	1	Command	Input		
	2	Ground	Output		Signal Ground
	3	Command	Input		
	4	Offset Adjust	Input		

## (J12 - Personality Board) > Diagnostic and Monitoring


Order Number	Pin	Signal	Type	Color	Notes
<b>C-DIAG-40-P</b>  24" DIAGNOSTIC CABLE (flying lead)	1	Position	Output	RED	Motor Position
	2	Position Error	Output	BLACK	Command minus Position
	3	AGC Monitor	Output	GREEN	Position Sensor Drive Voltage
	4	Velocity	Output	WHITE	Motor Velocity
	5	Ground	Output	BLUE	Signal ground (Return)
	6	Slew Rate Monitor	Output	BROWN	Slew Limited Command
	7	Current Monitor	Output	GRAY	Motor Current
	8	No Connection			

## (J8 - Main Board) > Status and Servo Enable

Order Number	Pin	Signal	Type	Color	Notes
<b>C-DIAG-40-M</b>  24" DIAGNOSTIC CABLE (flying lead)	1	Servo Ready High	Output	RED	Pulled up to 12V via 1k ohm
	2	Servo Ready Low	Output	BLACK	Pulled up to 12V via 1k ohm
	3	Servo Enable	Input	WHITE	Short to ground to enable <sup>1</sup>
	4	Ground	Ouput	GRAY	Signal ground (return)

1 Default is R78 shorted (enabled). See manual for details. Consult factory for alternate configuration.

## Related Accessories

Order Number	Includes	Mates To	Manufacturer	Hand Crimp Tool	Extraction Tool
<b>S-0152</b>  CONNECTOR KIT	(1) Connector, 4 pin, Micro-Fit	J3	MOLEX	11-01-0200	11-03-0043
	(1) Connector, 3 pin, Mini-Fit Jr	J7	MOLEX	11-01-0197	11-03-0044
	(1) Connector, 8 pin, 2.00mm pitch	J12	MOLEX	63811-1200	57105-6000
	(1) Connector, 4 pin, 2.00mm pitch	J8	MOLEX	63811-1200	57105-6000