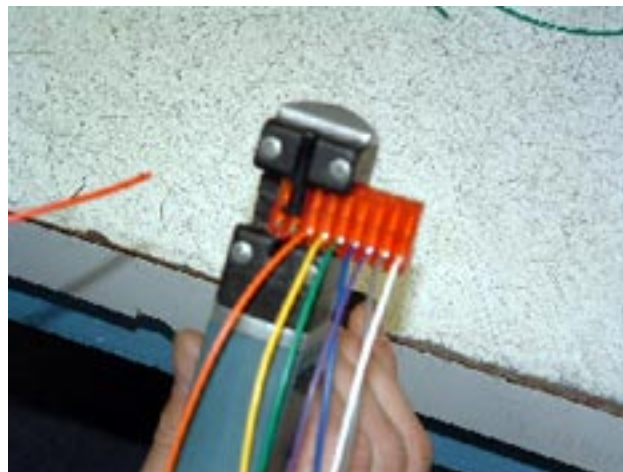


Connecting to the MBC25PG1 and MBC25PG1L

The MBC25PG1(L) is designed with cost savings and size as two of the primary design criteria. For this reason, the MTA-156 series connector was chosen for these products as a reliable, small and low cost connector. This is a common Insulation Displacement Connector (IDC) manufactured by AMP Corporation. The inputs to the driver are on a 9-Pin connector and the motors are on a 10-pin connector. These connectors are not supplied with the driver, but can be purchased from Anaheim Automation or AMP/Tyco Electronics. These two images show how a hand tool can be used to quickly make the cable to connect to the driver



Part #	Description
MBC25PG1	Driver/Pulse Generator
MBC25PG1L	Driver/Pulse Generator with L Bracket for Vertical Mounting
DIN-209-188	Optional Din Rail Mountable Feet for MBC25PG1
CON-6404289	Optional 9 pin, 0.156" IDC (AMP part no. 640428-9)
CON-16404280	Optional 10 pin, 0.156" IDC (AMP part no. 1-640428-0)
CON-6404403	Optional 3 pin, 0.100" IDC (AMP part no. 640440-3)
PSAM24V2.7A	Optional Power Supply 24V, 2.7A

Connector P2:	
Pin #	Description
1	External Potentiometer
2	External Potentiometer Wiper
3	External Potentiometer

Connector P1:	
Pin #	Description
1	Power Supply Ground (0VDC)
2	Power Supply Input (12VDC - 35VDC)
3	Stop/Run
4	Base/Max
5	Max Speed A/Max Speed B
6	Pulse Generator Clock Out
7	On/Off
8	Direction
9	External Clock

Connector P3: (One Motor)	
Pin #	Description
1	Motor 1, Phase 1
2	No Connect
3	No Connect
4	Motor 1, Phase 4
5	Motor Ground
6	No Connect
7	Motor 1, Phase 3
8	No Connect
9	Motor 1, Phase 2
10	No Connect

Connector P3: (Two Motors)	
Pin #	Description
1	Motor 1, Phase 1
2	Motor 1, Phase 3
3	Motor 1, Phase 2
4	Motor 1, Phase 4
5	Motor 1 Ground
6	Motor 2, Phase 1
7	Motor 2, Phase 3
8	Motor 2, Phase 2
9	Motor 2, Phase 4
10	Motor 2 Ground