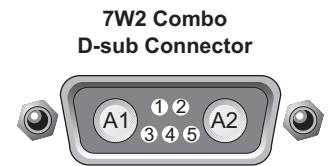
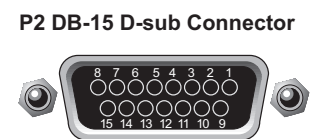


Class 5 Connector Pinouts

PIN	MAIN POWER	Specifications:	P1
1	I/O – 6 GP or “G” command	25mAmp Sink or Source 10Bit 0-5VDC A/D	Redundant connection on I/O connector
2	+5VDC out	50mAmps Max (total)	
3	RS-232 Transmit	Channel(0)	115.2KBaud Max
4	RS-232 Receive	Channel(0)	115.2KBaud Max
5	SIG Ground		
A1	Main Power: +20-48VDC		
A2	Ground		



PIN	I/O CONNECTOR (5VTTL I/O)	Specifications:	P2
1	I/O – 0 GP or Enc. A or Step Input	25mAmp Sink or Source 10Bit 0-5VDC A/D	1.5MHz max as Enc or Step input
2	I/O – 1 GP or Enc. B or Dir. Input	25mAmp Sink or Source 10Bit 0-5VDC A/D	1.5MHz max as Enc or Dir. Input
3	I/O – 2 Positive Over Travel or GP	25mAmp Sink or Source 10Bit 0-5VDC A/D	
4	I/O – 3 Negative Over Travel or GP	25mAmp Sink or Source 10Bit 0-5VDC A/D	
5	I/O – 4 GP or RS-485 A Channel(1)	25mAmp Sink or Source 10Bit 0-5VDC A/D	115.2KBaud Max
6	I/O – 5 GP or RS-485 B Channel(1)	25mAmp Sink or Source 10Bit 0-5VDC A/D	115.2KBaud Max
7	I/O – 6 GP or “G” command	25mAmp Sink or Source 10Bit 0-5VDC A/D	Redundant connection on Main Power Connector
8	Phase A Encoder Output		
9	Phase B Encoder Output		
10	RS-232 Transmit	Channel(0)	115.2KBaud Max
11	RS-232 Receive	Channel(0)	115.2KBaud Max
12	+5VDC Out	50mAmps Max (total)	
13	SIG Ground		
14	Ground		
15	Main Power: +20-48VDC	if -DE Option, Control Power separate from Main Power	



PIN	CAN bus	Connection:	P3
1	NC	NC	M12 5-PIN FEMALE END VIEW
2	NC	NC	
3	GND_CAN	Isolated CAN ground	
4	CAN-H	1M Baud max	
5	CAN-L	1M Baud max	

PIN	Isolated 24VDC I/O Connector	Max Load (sourcing)	P4
1	I/O – 16 GP	150mAmps	M12 12-PIN FEMALE END VIEW
2	I/O – 17 GP	150mAmps	
3	I/O – 18 GP	150mAmps	
4	I/O – 19 GP	150mAmps	
5	I/O – 20 GP	300mAmps	
6	I/O – 21 GP	300mAmps	
7	I/O – 22 GP	300mAmps	
8	I/O – 23 GP	300mAmps	
9	I/O – 24 GP	300mAmps	
10	I/O – 25 GP	300mAmps	
11	+24Volts Input	18-32VDC	
12	GND-I/O		