

SV200M, SV500M and SV1500M Connections

X6-RS232 Connections 9-Pin D Connector	
Pin No.	Signal
1	No Connection
2	Rx
3	Tx
4	DTR
5	Ground
6	DSR
7	RTS
8	CTS
9	+5VDC

X1-Motor Connections 7-Pin Connector		
Pin No.	Type	Signal
1	Input	Phase B
2	Input	Phase C
3	Input	Phase A
4	Ground	Earth Ground
5	Ground	Earth Ground
6	Input	Brake+
7	Input	Brake-

X13-Encoder Connections 15-Pin D Connector					
Pin No.	Type	Signal	Pin No.	Type	Signal
1	Ground	Shield	9	Output	Channel Z-
2	Output	Channel Z+	10	Output	Channel B-
3	Output	Channel B+	11	Output	Channel A-
4	Output	Channel A+	12	No Connection	
5	Input	Logic Ground	13	Input	+5VDC
6	Reserved	Reserved	14	No Connection	
7	No Connection		15	No Connection	
8	No Connection				

X12-Resolver Connections - 15-Pin D Connector					
Pin No.	Type	Signal	Pin No.	Type	Signal
1	Ground	Shield	9	Input	Motor Temp. +
2	No Connection		10	Input	Motor Temp. -
3	No Connection		11	Input	Stator 4
4	Output	Rotor 2	12	Input	Stator 3
5	Input	Stator 1	13	Input	Stator 2
6	No Connection		14	Output	Rotor 1
7	No Connection		15	No Connection	
8	No Connection				

X10-Control Connections - 16-Pin Removable Connector		
Pin No.	Type	Signal
1	Input	Input 1 (Enable)
2	Input	Input 2 (Brake)
3	Input	Input 3
4	Input	Input 4
5	No Connection	
6	GND	I/O GND
7	GND	I/O GND
8	GND	I/O GND
9	Output	+24VDC (<500 mA)
10	GND	Logic GND for +24V
11	No Connection	
12	No Connection	
13	No Connection	
14	Input	Programmable Output Pull Up
15	Output	Programmable Output
16	GND	Programmable Output GND

X8-Control Connections - 16-Pin Removable Connector		
Pin No.	Type	Signal
1	Input	Command 1+
2	Input	Command 1-
3	Input	Command 2+
4	Input	Command 2-
5	No Connection	
6	No Connection	
7	Ground	Analog Ground
8	Ground	Analog Ground
9	Output	Current Monitor
10	Output	Tach - Absolute
11	Output	Tach - Normalized
12	Output	Supply Voltage Value
13	Output	+15VDC
14	Output	-15VDC
15	Ground	Analog Ground
16	Ground	Analog Ground

X3-Power Connections - 4-Pin Screw Terminal Connector		
Pin No.	Type	Signal
1	Input	+24VDC
2	Ground	Logic Ground

NMD10 & NMD20 Power Module Connections

X1,2 & 3-Power Connections - 7-Pin Connector		
Pin No.	Type	Signal
1	Input	Line 1
2	Input	Line 2
3	Input	Line 3
4	Input	Earth Ground
5	Input	+24VDC
6	Input	Logic Ground

Control Connections - X8 - 7-Pin Connector		
Pin No.	Type	Signal
1	Output	+24VDC
2	Output	Ground
3	Output	Ready Contact
4	Output	Ready Contact
5	Input	Emergency Stop
6	Input	Emergency Stop
7	Ground	Shield

X2-Power Connections - 6-Pin Screw Terminal Connector		
Pin No.	Type	Signal
1	Ground	Earth Ground
2	Input	+HV
3	Input	-HV

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