

# COMPAX200M, COMPAX500M, COMPAX1500M Pinout Lists

**X1 - Motor/Brake Connections 7-Pin Screw Terminal Connector**

Pin #	Type	Signal
1	Phase U	U
2	Phase V	V
3	Phase W	W
4	Brake Input	BR-
5	Brake Output	BR+

**X2 - Power Intermediate Loop, 6-Pin Connector**

Pin #	Signal	Pin #	Signal
1	PE	4	PE
2	LS+	5	LS+
3	LS-	6	LS-

**X3 - Control Voltage, Screw Terminal**

Pin #	Signal
1	24V
2	0V

**X6 - RS-232, 9-Pin Removable Connector**

Pin #	Signal
1	NC
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	+5V

**X13 - Encoder, 15-Pin D Connector**

Pin #	Type	Signal
1	Ground	Housing
2	Input	N2
3	Input	B2
4	Input	A2
5	Input	N1
6	Input	B1
7	Input	A1
8	Output	+5V
9	Input	N2-
10	Input	B2-
11	Input	A2-
12	Input	N1-
13	Input	B1-
14	Input	A1-
15		GND

**X8 - Input/Output, 16-Pin Removable Connector**

Pin #	Signal
1	Input
2	Input
3	Input
4	Input
5	Input
6	Input
7	Input
8	Input
9	Output
10	Output
11	Output
12	Output
13	Output
14	Output
15	Output
16	Output

**X9 - Emergency Stop and Standby, 7-Pin Removable Connector**

Pin #	Type	Signal
1	Output	+24V
2	Return	GND
3		Reserved
4		Reserved
5	Output	24V
6	Input	24V
7		Emergency Stop Housing

**X10 - Input/Output, 16-Pin Removable Connector**

Pin #	Signal
1	Input
2	Input
3	Input
4	Input
5	Input
6	Input
7	Input
8	Input
9	Output
10	Output
11	Output
12	Output
13	Output
14	Output
15	Output
16	Output

**X18 - Fan, Removable Screw Terminal**

Pin #	Type	Signal
1		24V
2		0V

**X11 - DA Monitors, 7-Pin D Connector**

Pin #	Type	Signal
1	Output	+24V
2	Output	GND
3	Output	override
4	Input	DA-CH2
5	Input	DA-CH3
6	Input	override(-)
7		Shield

**X12 - Resolver, 15-Pin D Connector**

Pin #	Type	Signal
1	Ground	Housing
2		NC
3		NC
4	Output	REF-
5	Input	SIN-
6		NC
7		GND
8		NC
9	Input	+5V
10	Input	TEMP
11	Input	COS-
12	Input	COS+
13	Input	SIN+
14	Output	REF+
15		NC

**X14 and X15 - HEDA, 9-Pin D Connector**

Pin #	Signal	Pin #	Signal
1	NC	5	TXD
2	RXC	6	RXC-
3	TXC	7	TXC-
4	RXD	8	RXD-
		9	TXD-

**X16 - Absolute Encoder, 9-Pin D Connector**

Pin #	Signal	Pin #	Signal
1	T-	5	GND
2	NC	6	T+
3	D-	7	NC
4	NC	8	D+
		9	+24V

**X17 - DA Monitor/Indicators, 9-Pin D Connector**

Pin #	Type	Signal
1	Output	DA-CH0
2	Output	DA-CH1
3		Shield
4	Supply Indicator	GND 24V
5	Supply Indicator	+24V
6	Reference	GND
7	Input	Sig-MN
8	Input	Sig-E2
9	Input	Sig-E1

**Ordering Information**

Part No.	Description
<b>Drives:</b>	
COMPAX200M	6.5A Continuous Drive
COMPAX500M	11.5A Continuous Drive
COMPAX1500M	25A Continuous Drive
<b>Motors:</b>	
HDY70C4-44S	70 mm Brushless motor w/resolver
HDY92E4-44S	92 mm Brushless motor w/resolver
HDY115A6-88S	115 mm Brushless motor w/resolver
HDY115C6-88S	115 mm Brushless motor w/resolver
HDY142C6-88S	142 mm Brushless motor w/resolver
HDY142G6-88S	142 mm Brushless motor w/resolver
HMBR190E6-88S	190 mm Brushless motor w/resolver
HMBR190J6-260S	190 mm Brushless motor w/resolver
<b>Motor-to-drive cables:</b>	
MOK42	Motor cable for HDY70 through HDY115
MOK43	Motor cable for HDY142
MOK21	Motor cable for HMBR190
<b>Resolver-to-drive cables:</b>	
REK32	Resolver cable for HDY70 through HDY142
REK14	Resolver cable for HMBR190
Standard lengths available from 2.5 meters to 50 meters. Please call factory for additional ordering information.	

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