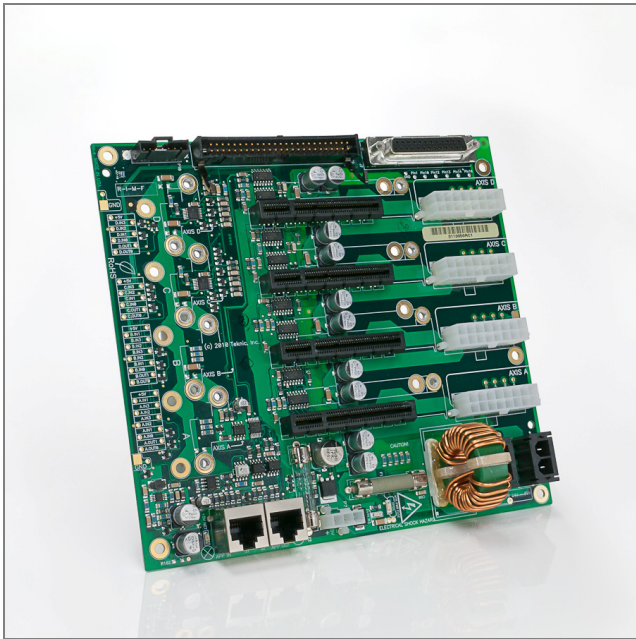




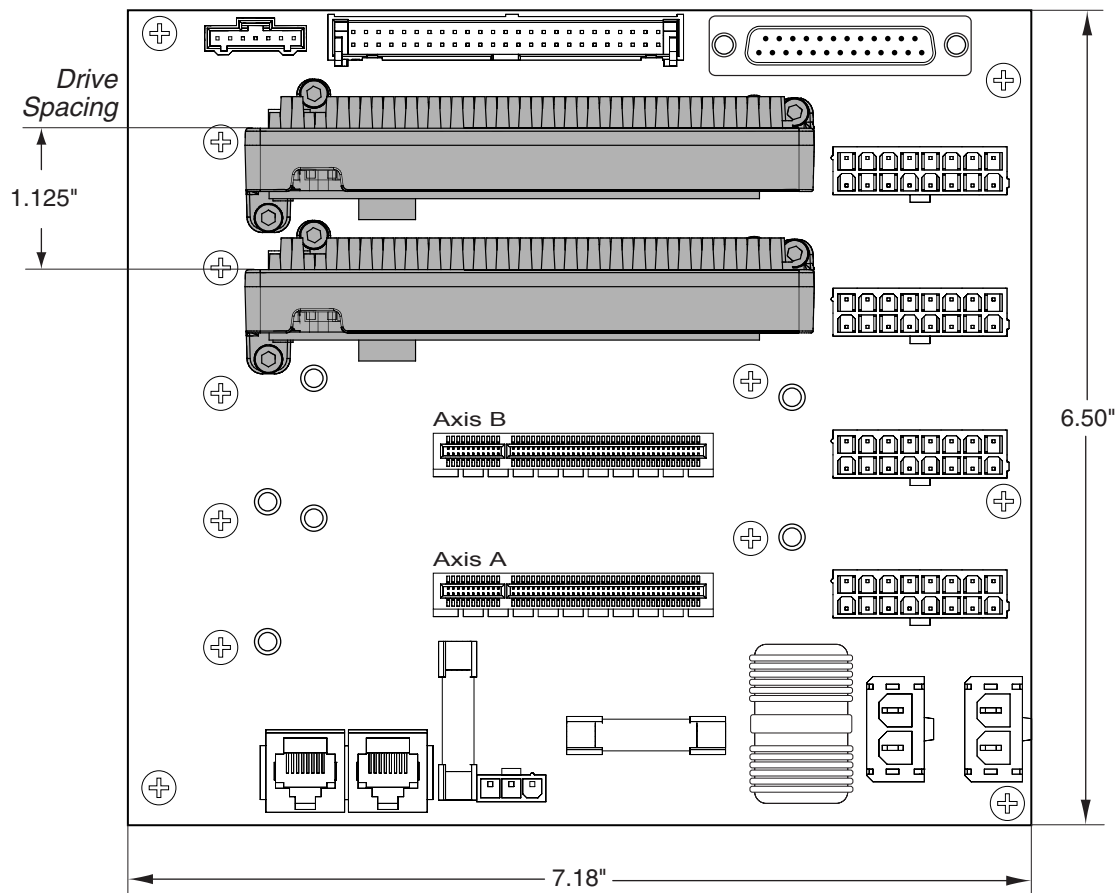
BP-4

4-Axis Backplane Board



FEATURES

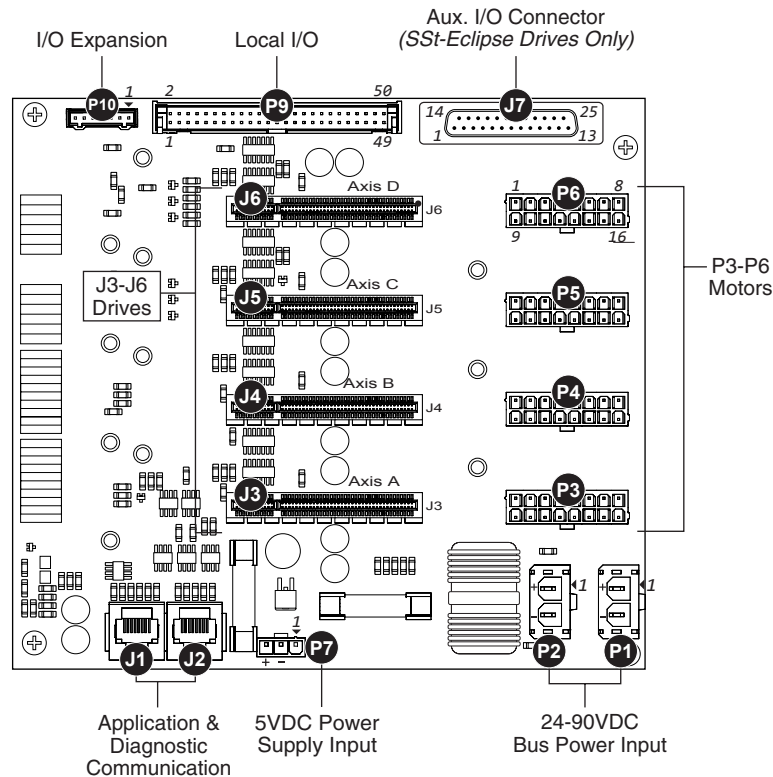
- Supports SSt-E2xx/3xx-xBx servo drive modules and ISC-M2xx/3xx-xBx integrated servo controller/drive modules
- Access to all drive I/O including IEX I/O expansion port
- Automatic communications routing for inserted drives.
- Supports direct connection of Teknic's Hudson motors
- Provides a convenient interface to PC parallel ports via DB25, for use with software-based CNC controllers.
- Daisy chained servo bus power minimizes power distribution wiring.
- High-stability, multi-point mounting with integrated drive-mounting inserts.
- Built-in EMI filter
- Integrated signal probe points for system auditing.
- Low cost.
- RoHS Compliant
- EN61010, UL508C Compliant



SPECIFICATIONS

GENERAL	Dimensions, in (mm):	6.50 (165) x 7.18 (182)
	Weight, oz (g):	8.3 (235)
ENVIRONMENTAL	Operating Temperature:	0-40°C
	Humidity:	0-90%, non-condensing
COMPLIANCE	Electrical safety:	EN61010, UL508C (pending)
	EMI:	EN 61326 (pending)
	Machine safety:	EN 954-1, with proper power control
ELECTRICAL	DC Bus Voltage Range:	24-90VDC
	Maximum DC Bus Current:	15A
	5VDC Voltage Range:	4.5-5.5VDC
	Maximum 5VDC Current:	2.6A @ 650mA per module
COUNTRY OF ORIGIN	Manufactured in:	USA

CONNECTOR DETAIL



J7-Aux. I/O (SSt-Eclipse)	
PIN#	DESCRIPTION
1	NO CONNECT
2	A.STEP
3	A.DIR
4	B.STEP
5	B.DIR
6	C.STEP
7	C.DIR
8	D.STEP
9	D.DIR
10	NO CONNECT
11	ANY LIMIT
12	NO CONNECT
13	NO CONNECT
14	NO CONNECT
15	ALL READY~
16	NO CONNECT
17	ENABLE ALL~
18	GND
19	GND
20	GND
21	GND
22	GND
23	GND
24	GND
25	GND

P9-Local I/O			
PIN#	DESCRIPTION	PIN#	DESCRIPTION
1	A.GPO-0 /BRAKE/READY~	26	C.GPO-1 /HLFB
2	A.GPO-1 /HLFB	27	C.GPI-0 /MODE
3	A.GPI-0 /MODE	28	+5VDC
4	+5VDC	29	C.GPI-1 /ENABLE~
5	A.GPI-1 /ENABLE~	30	GND
6	GND	31	C.GPI-2 /+LIMIT
7	A.GPI-2 /+LIMIT	32	C.GPI-3 /-LIMIT
8	A.GPI-3 /-LIMIT	33	A.LOAD_ENC_I
9	A.LOAD_ENC_A /STEP	34	+5VDC
10	+5VDC	35	B.LOAD_ENC_I
11	A.LOAD_ENC_B /DIR	36	GND
12	GND	37	D.GPO-0/BRAKE /READY~
13	B.GPO-0 /BRAKE/READY~	38	D.GPO-1 /HLFB
14	B.GPO-1 /HLFB	39	D.GPI-0 /MODE
15	B.GPI-0 /MODE	40	+5VDC
16	+5VDC	41	D.GPI-1 /ENABLE~
17	B.GPI-1 /ENABLE~	42	GND
18	GND	43	D.GPI-2 /+LIMIT
19	B.GPI-2 /+LIMIT	44	D.GPI-3 /-LIMIT
20	B.GPI-3 /-LIMIT	45	C.IEX_CLK.5~
21	B.LOAD_ENC_A /STEP	46	+5VDC
22	+5VDC	47	C.IEX_DATAOUT.5~
23	B.LOAD_ENC_B /DIR	48	GND
24	GND	49	C.IEX_LOAD.5
25	C.GPO-0/BRAKE /READY~	50	C.IEX_DATAIN.5

P3-P6-Motor	
PIN#	DESCRIPTION
1	MOTOR PHASE SHIELD
2	NO CONNECT
3	COMM. S-T
4	COMM. R-S
5	COMM. T-R
6	ENCODER/HALL SHIELD
7	ENCODER/HALL GND
8	ENCODER A~
9	MOTOR PHASE R
10	MOTOR PHASE S
11	MOTOR PHASE T
12	+5V OUT
13	ENCODER I
14	ENCODER B
15	ENCODER A
16	ENCODER B~