

CONNECTORS

50 PIN SERVO AMP/ENCODER CONNECTOR

The 7I33s servo amplifier / encoder connector (P2) is a 50 pin latching header. P2 has the following pinout:

PIN	FUNCTION	DIRECTION	PIN	FUNCTION	DIRECTION
1	GND		26	ENCA2	TO 7I33
2	ENCA0	TO 7I33	27	/ENCA2	TO 7I33
3	/ENCA0	TO 7I33	28	GND	
4	GND		29	ENCB2	TO 7I33
5	ENCB0	TO 7I33	30	/ENCB2	TO 7I33
6	/ENCB0	TO 7I33	31	VCC	FROM 7I33
7	VCC	FROM 7I33	32	IDX2	TO 7I33
8	ENCX0	TO 7I33	33	/IDX2	TO 7I33
9	/ENCX0	TO 7I33	34	GND	
10	GND		35	DRV2	FROM 7I33
11	DRV0	FROM 7I33	36	GND	
12	GND		37	ENA2	FROM 7I33
13	ENA0	FROM 7I33	38	ENCA3	TO 7I33
14	ENCA1	TO 7I33	39	/ENCA3	TO 7I33
15	/ENCA1	TO 7I33	40	GND	
16	GND		41	ENCB3	TO 7I33
17	ENCB1	TO 7I33	42	/ENCB3	TO 7I33
18	/ENCB1	TO 7I33	43	VCC	FROM 7I33
19	VCC		44	ENCX3	TO 7I33
20	ENCX1	TO 7I33	45	/ENCX3	TO 7I33
21	/ENCX1	TO 7I33	46	GND	
22	GND		47	DRV3	FROM 7I33
23	DRV1	FROM 7I33	48	GND	
24	GND		49	ENA3	FROM 7I33
25	ENA1	FROM 7I33	50	GND	