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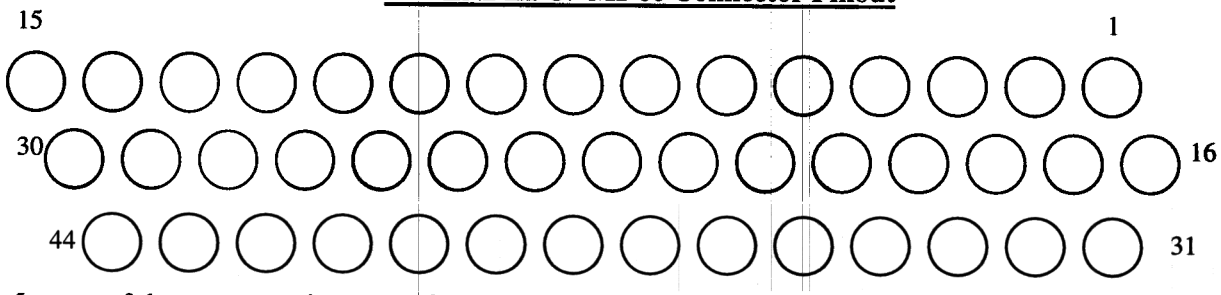
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APPENDIX C. MI-6e Connector Pinout



Layout of the connector is as seen from the front. Pin out for the Machine, Encoder & the Servo connectors for the MI-6e.

ENCODER CONNECTOR PINOUT

#	Signal Name	#	Signal Name	#	Signal Name
1	A0+	16	B0+	31	Z0+
2	A0-	17	KEY	32	Z0-
3	A1+	18	B0-	33	Z1+
4	A1-	19	B1+	34	Z1-
5	A2+	20	B1-	35	Z2+
6	A2-	21	B2+	36	Z2-
7	A3+	22	B2-	37	Z3+
8	A3-	23	B3+	38	Z3-
9	A4+	24	B3-	39	Z4+
10	A4-	25	B4+	40	Z4-
11	A5+	26	B4-	41	Z5+
12	A5-	27	B5+	42	Z5-
13	Encpwr	28	B5-	43	Encpr
14	RXD+	29	TXD+	44	TXD-
15	RXD-	30	KEY		

SERVO CONNECTOR PINOUT

#	Signal Name	#	Signal Name	#	Signal Name
1	DAC0+	16	DAC1+	31	DAC2+
2	DAC0-	17	DAC1-	32	KEY
3	DAC3+	18	DAC4+	33	DAC2-
4	DAC3-	19	DAC4-	34	DAC5+
5	DE0+	20	DE0-	35	DAC5-
6	DE1+	21	DE2+	36	DE3+
7	DE1-	22	DE2-	37	DE3-
8	DE4+	23	DE4-	38	DE5+
9	SPARE1+	24	SPARE1-	39	DE5-
10	DF0+	25	DF1+	40	DF2+
11	DF0-	26	DF1-	41	DF2-
12	DF3+	27	DF4+	42	DF5+
13	DF3-	28	DF4-	43	DF5-
14	Alog Pwr+	29	Alog Rtn	44	Alog Pwr-
15	KEY	30	N/C		

MACHINE CONNECTOR PINOUT

#	Signal Name	#	Signal Name	#	Signal Name
1	OTL0+	16	SPARE2+	31	SPARE2-
2	KEY	17	HOME0+	32	BRE0+
3	OTL0-	18	HOME0-	33	BRE0-
4	OTL1+	19	HOME1+	34	BRE1+
5	OTL1-	20	HOME1-	35	BRE1-
6	OTL2+	21	HOME2+	36	BRE2+
7	OTL2-	22	HOME2-	37	BRE2-
8	OTL3+	23	HOME3+	38	BRE3+
9	OTL3-	24	HOME3-	39	BRE3-
10	OTL4+	25	HOME4+	40	BRE4+
11	OTL4-	26	HOME4-	41	BRE4-
12	OTL5+	27	HOME5+	42	BRE5+
13	KEY	28	KEY	43	KEY
14	OTL5-	29	HOME5-	44	BRE5-
15	HPE+	30	HPE-		

The connectors and cables for the MI3, MI6 and sMI6 are the same. The difference is that the axes are labeled 0-5 on the MI3 and MI6, while they are labeled 1-6 on the sMI6.

The part number for the interface cables is 90332-02000.

The part number for the MP6 motion panel option is 90332-12400.

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