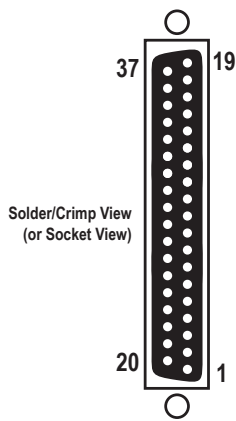


**Connector Pin Assignment**

**GPI 1-16 / GPO 1-16 (37pin D-type, female, UNC 4-40 thread)**



Pin	Signal 'GPI 1-16'	Signal 'GPO 1-16'	Pin	Signal 'GPI 1-16'	Signal 'GPO 1-16'
1	GPI 1a	GPO 1a	20	GPI 1b	GPO 1b
2	GPI 2a	GPO 2a	21	GPI 2b	GPO 2b
3	GPI 3a	GPO 3a	22	GPI 3b	GPO 3b
4	GPI 4a	GPO 4a	23	GPI 4b	GPO 4b
5	GPI 5a	GPO 5a	24	GPI 5b	GPO 5b
6	GPI 6a	GPO 6a	25	GPI 6b	GPO 6b
7	GPI 7a	GPO 7a	26	GPI 7b	GPO 7b
8	GPI 8a	GPO 8a	27	GPI 8b	GPO 8b
9	GPI 9a	GPO 9a	28	GPI 9b	GPO 9b
10	GPI 10a	GPO 10a	29	GPI 10b	GPO 10b
11	GPI 11a	GPO 11a	30	GPI 11b	GPO 11b
12	GPI 12a	GPO 12a	31	GPI 12b	GPO 12b
13	GPI 13a	GPO 13a	32	GPI 13b	GPO 13b
14	GPI 14a	GPO 14a	33	GPI 14b	GPO 14b
15	GPI 15a	GPO 15a	34	GPI 15b	GPO 15b
16	GPI 16a	GPO 16a	35	GPI 16b	GPO 16b
17	GND (0 V)	GND (0 V)	36	V <sub>CC</sub> (+5 V) *	V <sub>CC</sub> (+5 V) *
18	GND (0 V)	GND (0 V)	37	V <sub>CC</sub> (+5 V) *	V <sub>CC</sub> (+5 V) *
19	GND (0 V)	GND (0 V)	<b>* 600 mA max. total</b>		

**Application**

**Inputs**

Control inputs (GPI Xa/b) are completely independent and electrically isolated. They may be used either with the internal +5 VDC supply voltage, or with external voltages of 5-24 VDC, regardless of the polarity. Total current supplied by all +5 VDC pins of one card *must not* exceed 600 mA.

**Outputs**

Control outputs (GPO Xa/b) are completely independent, electrically isolated relay contacts, closed if active. Contact rating is 0.5 A for 125 V<sub>AC</sub>, 0.7 A for 30 VDC, or 0.3 A for 100 VDC. The +5 VDC supply voltage or the ground (GND) terminals, together with the relay contacts, may be used to generate an output signal. Total current supplied by all +5 VDC pins of one card *must not* exceed 600 mA.