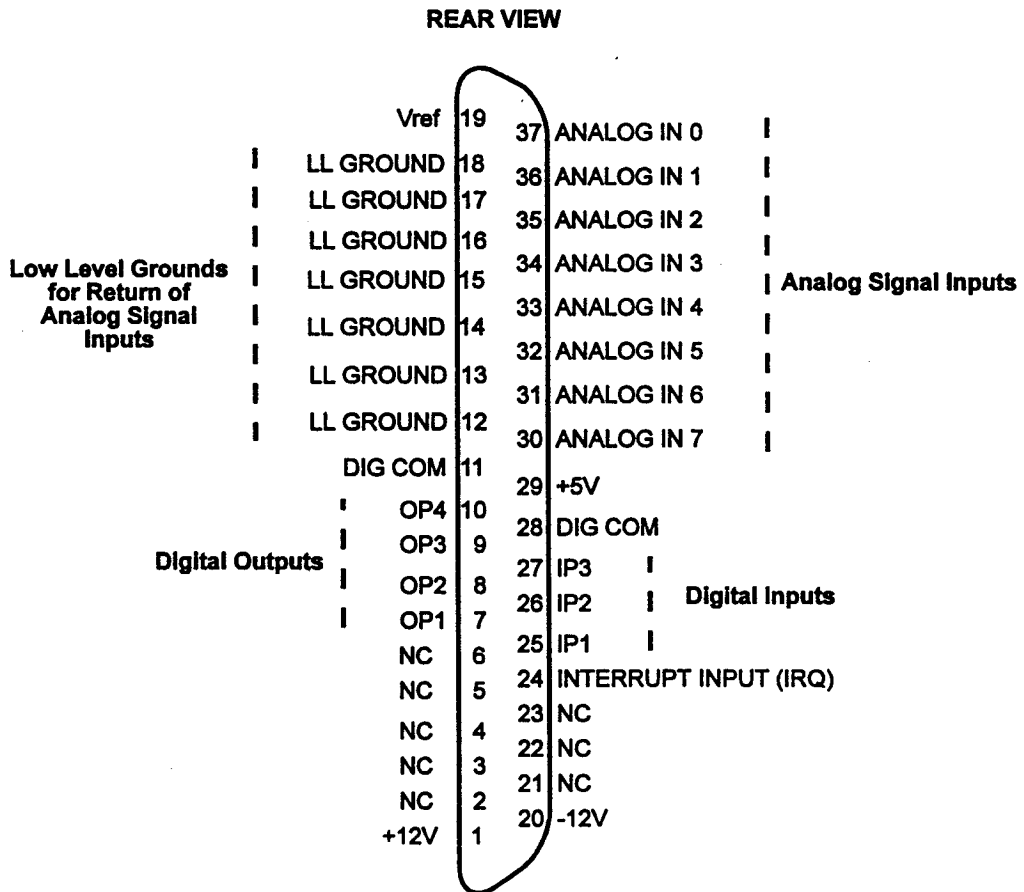


Confidence Test

If the ML8-P is suspected of not working properly, perform the Postcheck Procedure in the Installation section before calling Industrial Computer Source Customer Service. The information obtained will be invaluable in determining the problem.



The +5VDC, +12VDC and -12VDC Lines
are Outputs from the Computer

Figure 4 Rear View of ML8-P Connector

Main I/O Connector

The main analog and digital I/O is via a 37 pin D type connector that projects through the computer case at the rear of the board. The pin functions are as follows :

PIN	NAME	FUNCTION
1	+12 V	+12 V power ³
2	NC	No connection
3	NC	No connection
4	NC	No connection
5	NC	No connection
6	NC	No connection
7	OP1	Digital output #1
8	OP2	Digital output #2
9	OP3	Digital output #3
10	OP4	Digital output #4
11	DIG COM	Digital common ¹
12	LL GND	Low level ground ²
13	LL GND	Low level ground
14	LL GND	Low level ground
15	LL GND	Low level ground
16	LL GND	Low level ground
17	LL GND	Low level ground
18	LL GND	Low level ground
19	VREF	+5V precision reference ³

PIN	NAME	FUNCTION
20	-12V	-12V from PC bus ³
21	NC	No connection
22	NC	No connection
23	NC	No connection
24	INT IN	Interrupt input
25	IP1	Digital input #1
26	IP2	Digital input #2
27	IP3	Digital input #3
28	DIG COM	Digital common ¹
29	+5V	+5V from PC bus ³
30	IN 7	Channel #7 analog input
31	IN 6	Channel #6 analog input
32	IN 5	Channel #5 analog input
33	IN 4	Channel #4 analog input
34	IN 3	Channel #3 analog input
35	IN 2	Channel #2 analog input
36	IN 1	Channel #1 analog input
37	IN 0	Channel #0 analog input

¹ Return for all logic signals and power supply currents. Connected to the computer frame.

² The low level grounds are common returns and shields for the analog input channels.

³ Observe loading limits.

The connector is a DB-37 pin male.

