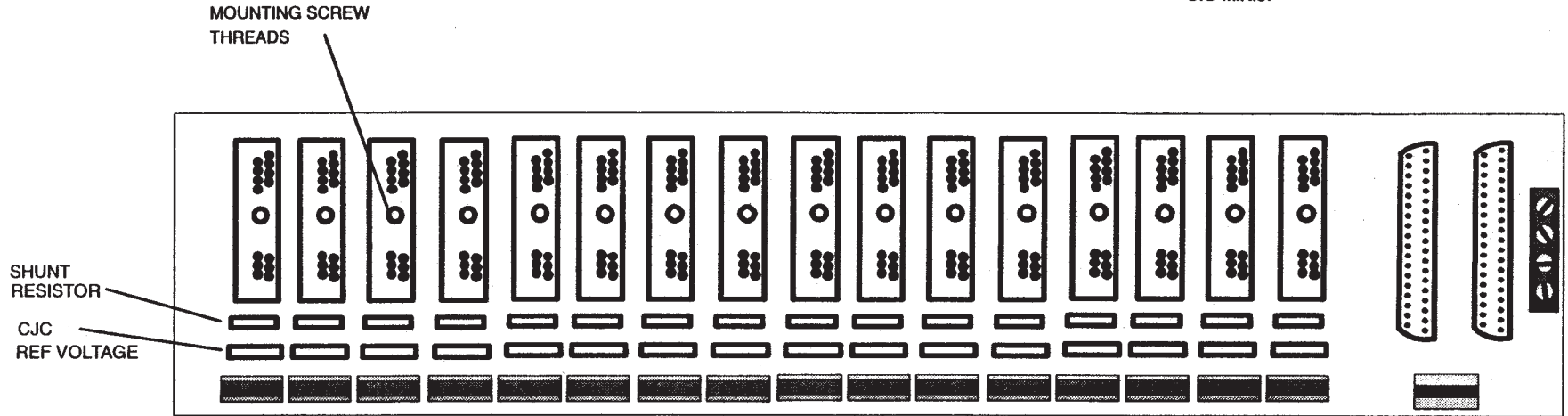# ISO-RACK16 COMPONENT LAYOUT

THE CIO-DAS16 BOARD MUST BE
IN 16 CHANNEL SINGLE ENDED
MODE (8/16 SWITCH)

D37 CONNECTOR
CONNECTS SIGNALS TO
ANALOG INPUT BOARD

INSIDE PERSONAL COMPUTER

CONNECTORS ARE WIRED 1:1
OTHER SIGNALS MAY BE WIRED TO
SCREW TERMINAL BOARD
CIO-MINI37

MOUNTING SCREW
THREADS

SHUNT
RESISTOR

CJC
REF VOLTAGE

NOTES:
1) SHUNT RESISTOR POSITION
ALLOWS YOU TO CONVERT A
CURRENT TO A VOLTAGE

2) CJC REF SENSOR IS PROVIDED
WITH THERMOCOUPLE MODULES
AND MUST BE INSTALLED.

3) ISO-RACK16 GROUND
MAY BE, BUT DOES NOT
HAVE TO BE THE SAME AS
THE PC GROUND

CONNECTOR PIN ASSIGMNENTS

Please see the DAS16 connector pin assignments in
your DAS16 manual. Module 0 output is
connected to channel 0 input, module 1 to channel
1 and so on. The DAS16 must be in 16 channel,
single ended mode.

The two connectors on the ISO-RACK16 are
wired 1:1. The signal present on pin(N) of one
connector is present on pin(N) of the other. Use
the second connector to cable to a screw terminal
board where the remainder of the DAS16 signals
may be accessed.

Typical Channel

-X L H +X

EXITATION MINUS
SIGNAL LOW
SIGNAL HIGH
EXITATION PLUS V

NO CONNECT
PC GROUND
PC GROUND
PC +5 VOLTS

MOLEX TYPE CONNECTOR
MATES TO PC POWER
EXPANSION PLUG. INSIDE
PC.

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