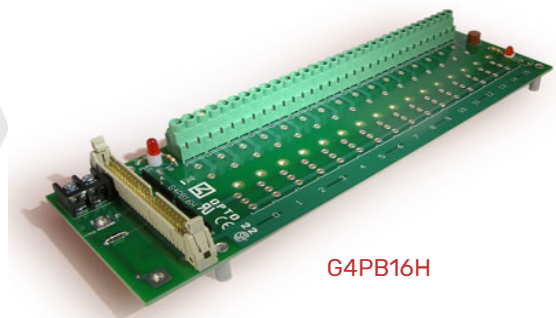


## G4 DIGITAL I/O MOUNTING RACKS (HEADER CONNECTOR)

### Features

- > Available in 16- and 8-channel models
- > Require minimum panel space
- > Built-in fuse tester
- > Spare 1 A fuse on board; can accept 5A fuse
- > Power indicator LED
- > UL recognized; CSA certified; CE, RoHS, and DFARS approved
- > For field power, use a single 5, 15, or 24 VDC power supply



G4PB16H

### DESCRIPTION

The G4PB16H and G4PB8H Digital I/O Mounting Racks are designed for use with G4 digital I/O modules. The G4PB8H accepts up to 8 digital I/O modules, and the G4PB16H accepts 16.

Both racks work with Opto 22's PBSA, PBSB, and PBSC power supplies.

Logic supply is fused with a 1 A fuse, which, if desired, can be swapped out for a 5 A fuse (sold separately).

Barrier strips with screw terminals provide the field and mounting rack power connections. I/O modules are secured to the mounting rack with a threaded captive hold-down screw. You can insert and remove modules easily and quickly without disturbing field wiring.

For logic connections, the header connector accommodates the following devices:

- Standard 50-pin cable
- Optomux<sup>®</sup> E1 brain board
- Optomux B1 brain board
- Pamux<sup>®</sup> B5 brain board
- mistic<sup>™</sup> B100 brain board
- Digital I/O Carrier Board for Raspberry Pi<sup>®</sup> (part number OPTO-P1-40P)

### SPECIFICATIONS

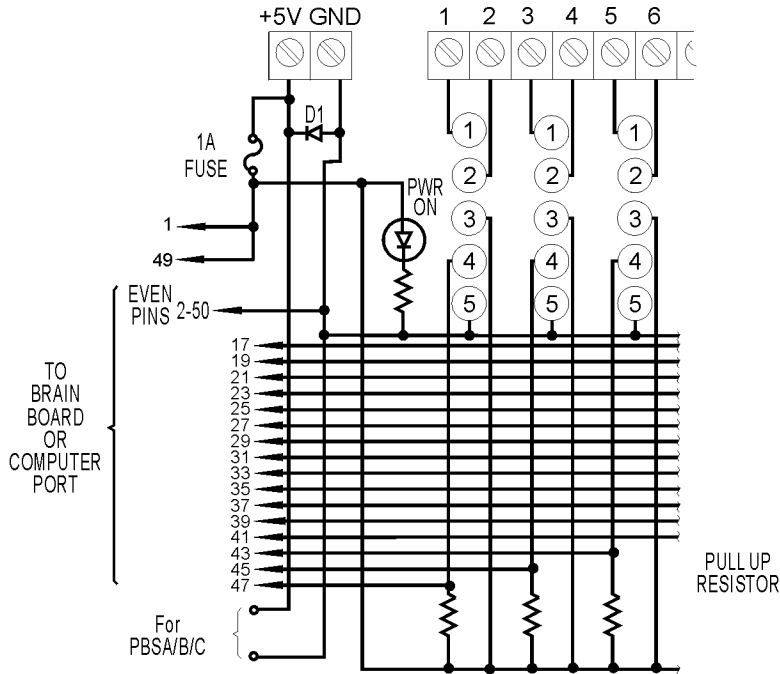
<b>Interface Connectors</b>	
Field	Screw-type barrier strip accommodates up to 10 AWG wire
Control	50-conductor header connector
Power	Two-position screw terminal (used with a 5.00 VDC +0.1 power source) or Opto 22 PBSA/B/C Power Supply
Operating Temperature	0 to 70 °C
Relative Humidity	95% humidity, non-condensing
Agency Approvals	UL recognized; CSA approved; compliant with CE, RoHS, DFARS
Warranty	30 months from date of manufacture

### Part Numbers

Part	Description
G4PB16H	G4 16-Channel Mounting Rack with Header Connector
G4PB8H	G4 8-Channel Mounting Rack with Header Connector



## G4PB16H CONNECTIONS

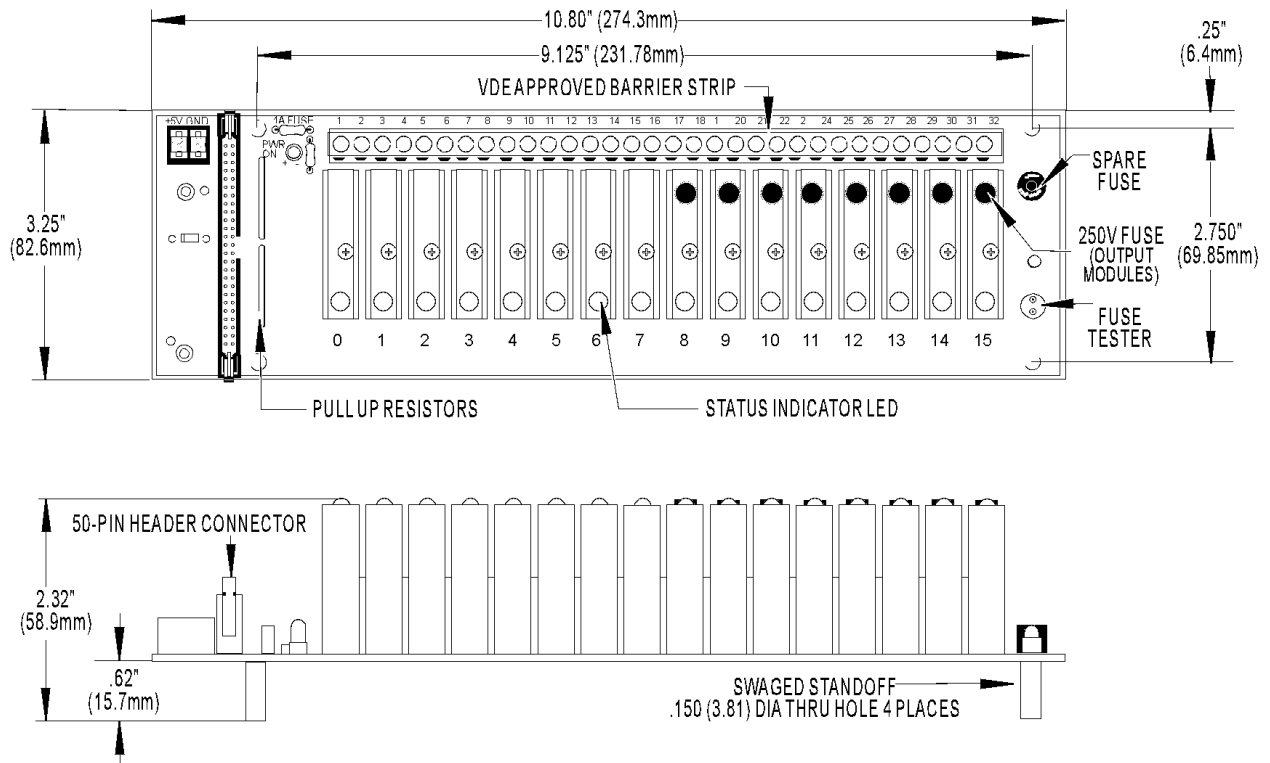


Module Position	Control (Header Connector)	Field (Terminal Strip)
0	47	1 and 2
1	45	3 and 4
2	43	5 and 6
3	41	7 and 8
4	39	9 and 10
5	37	11 and 12
6	35	13 and 14
7	33	15 and 16
8	31	17 and 18
9	29	19 and 20
10	27	21 and 22
11	25	23 and 24
12	23	25 and 26
13	21	27 and 28
14	19	29 and 30
15	17	31 and 32

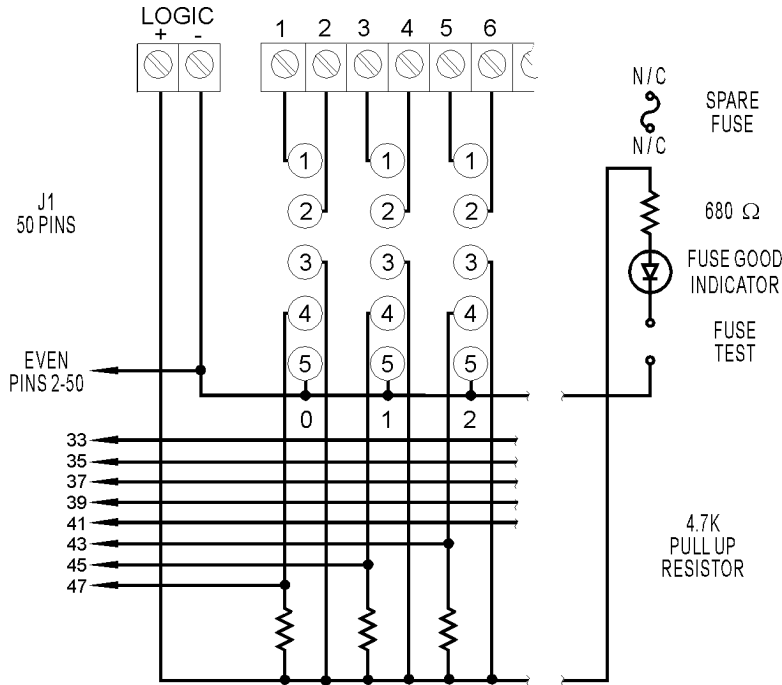
Notes:

1. Even pins on control connector are connected by etch to common.
2. +VCC and return connected to terminals marked +5V and GND.
3. At each module position on the field terminal strip, the lower number is always connected to pin 1 of the I/O module.
4. Use only 5 VDC logic modules when using the mounting rack with a brain board.

## G4PB16H DIMENSIONS



## G4PB8H CONNECTIONS



Module Position	Control (Header Connector)	Field (Terminal Strip)
0	47	1 and 2
1	45	3 and 4
2	43	5 and 6
3	41	7 and 8
4	39	9 and 10
5	37	11 and 12
6	35	13 and 14
7	33	15 and 16

Notes:

1. Even pins on control connector are connected by etch to common.
2. +VCC and return connected to terminals marked +5V and GND.
3. At each module position on the field terminal strip, the lower number is always connected to pin 1 of the I/O module.
4. Use only 5 VDC logic modules when using the mounting rack with a brain board.



## G4PB8H DIMENSIONS

