

# OPTO 22

## DATA SHEET

Form 479-010131

RACKS  
CLASSIC  
QUAD

page 1/6

### Description

Part Number	Description
PB16HQ	Quad 4-Module Position Rack

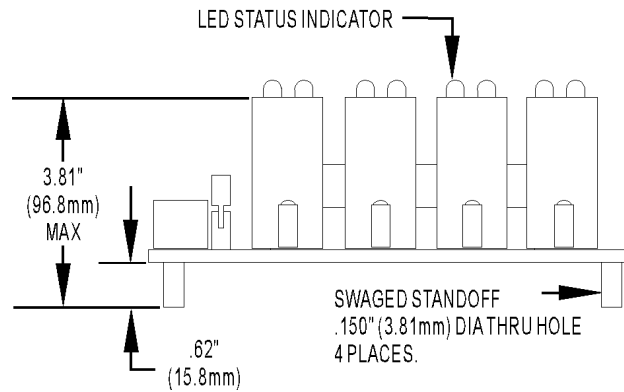
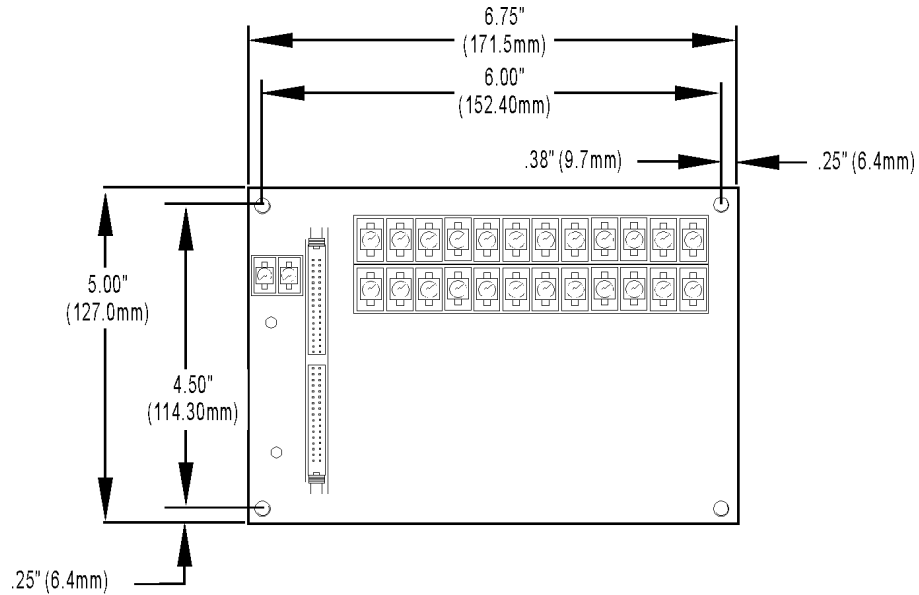
The PB16HQ I/O mounting rack can accommodate up to four Quad Pak I/O modules for a total of 16 I/O channels. The PB16HQ I/O mounting rack features a 50-pin header connector for easy interface to computer parallel I/O ports via 50-conductor ribbon cables. The 50-pin connector also allows direct connection to Optomux, Pamux, and Mystic protocol brain boards.



### Specifications

Operating Temperature	- 0° to 70° C 95% Relative Humidity Non-Condensing
Interface Connector	6-32 Screw Terminals
Field Logic	50-pin Male Header Connector

### Dimensions



# OPTO 22

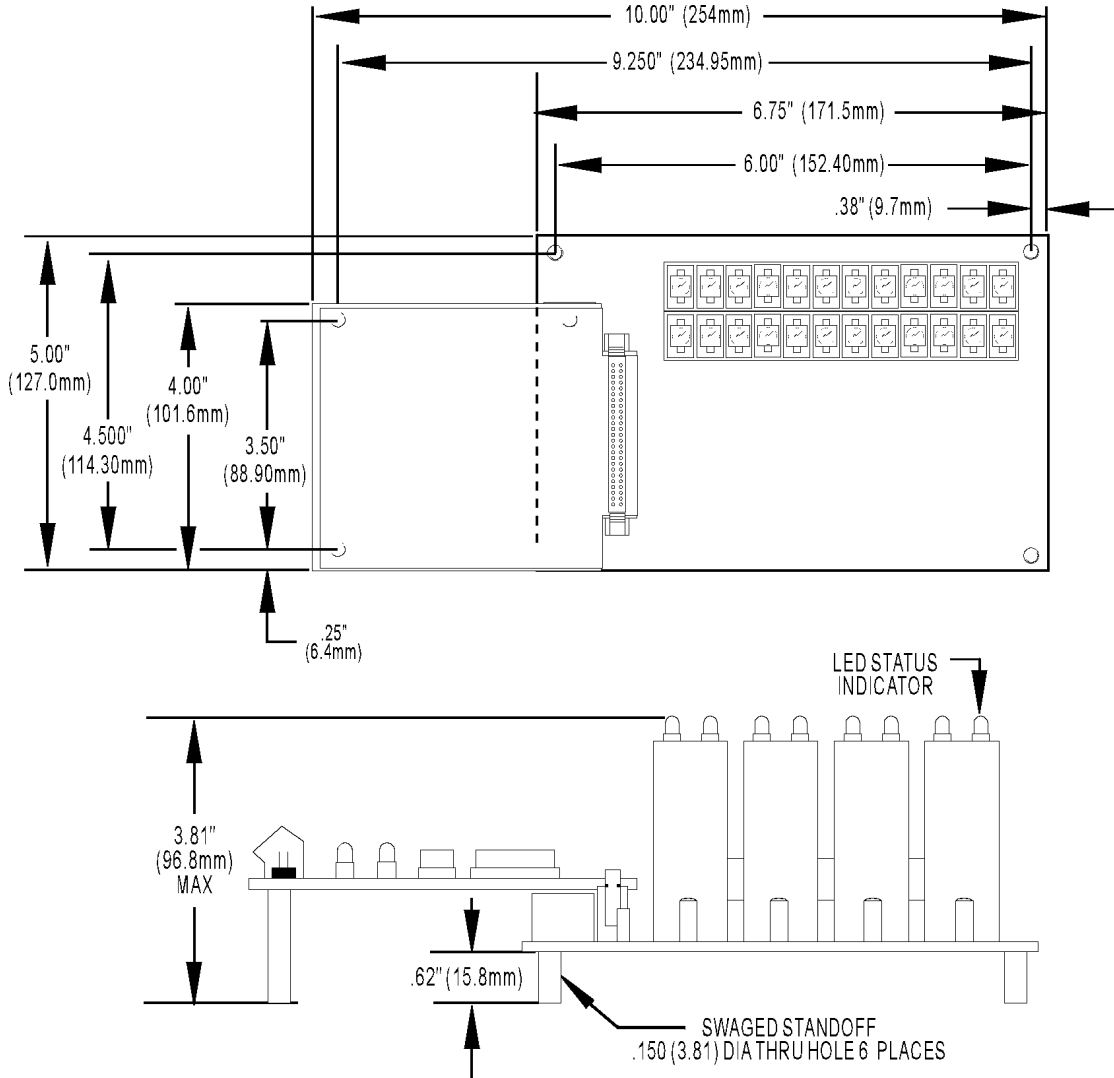
## DATA SHEET

Form 479-010131

# RACKS CLASSIC QUAD

page 3/6

### Dimensions WITH OPTOMUX BRAIN BOARD (P/N B1)



# OPTO 22

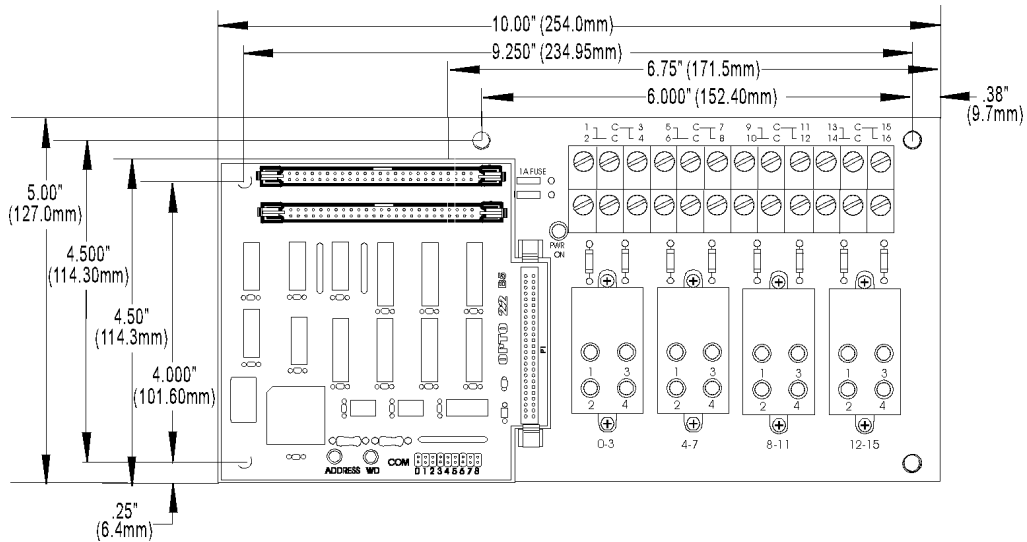
## DATA SHEET

Form 479-010131

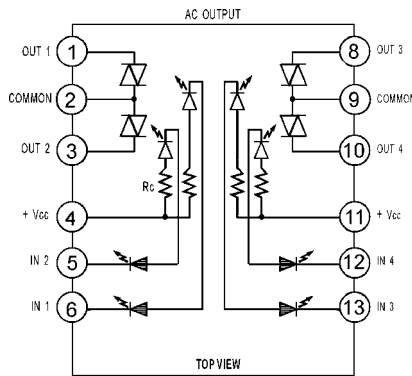
RACKS  
CLASSIC  
QUAD

page 4/6

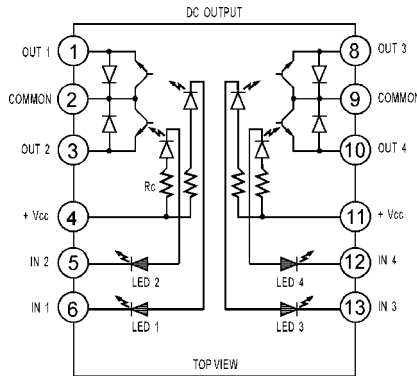
### Dimensions WITH OPTOMUX BRAIN BOARD (P/N B5)



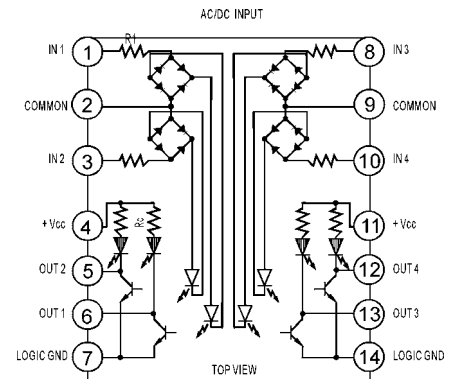
### Schematics



RED INDICATOR LED  
 INFRARED COUPLER LED  
 EQUIVALENT CIRCUIT ONLY  
 NEGATIVE TRUE LOGIC



RED INDICATOR LED  
 INFRARED COUPLER LED  
 EQUIVALENT CIRCUIT ONLY  
 NEGATIVE TRUE LOGIC  
 INDUCTIVE LOADS MUST BE  
 DIODE SUPPRESSED



RED INDICATOR LED  
 INFRARED COUPLER LED  
 EQUIVALENT CIRCUIT ONLY  
 NEGATIVE TRUE LOGIC

# OPTO 22

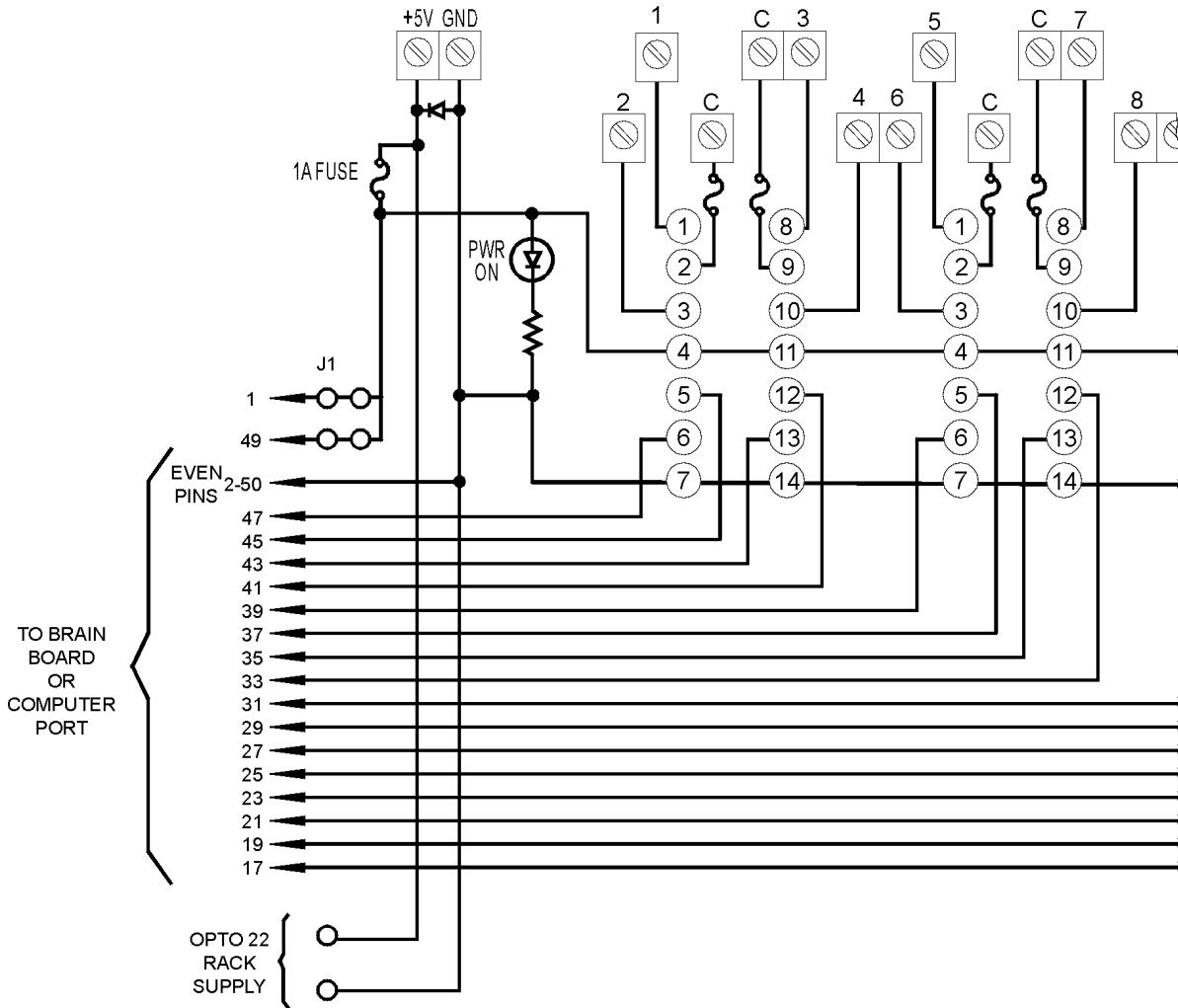
## DATA SHEET

Form 479-010131

RACKS  
CLASSIC  
QUAD

page 5/6

### Schematics (CONT.)



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Module Position	(Header Connector)	Field (Terminal Strip)
0	47	1 & C
1	45	2 & C
2	43	3 & C
3	41	4 & C
4	39	5 & C
5	37	6 & C
6	35	7 & C
7	33	8 & C
8	31	9 & C
9	29	10 & C
10	27	11 & C
11	25	12 & C
12	23	13 & C
13	21	14 & C
14	19	15 & C
15	17	16 & C

Notes:

1. Even pins on control connector are connected by etch to common.
2. +VCC and return connected to two-point terminal strips 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.