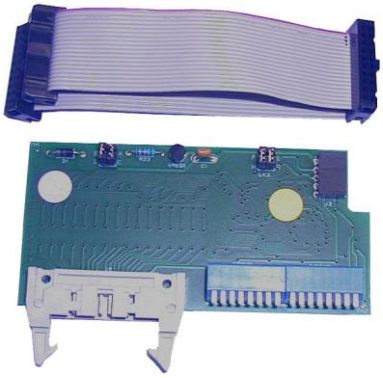
Omni16C Ribbon Header Input Board

Model C1174A Ribbon Header Input Board for Omni8C or Omni16C .

DATASHEET



FEATURES

- **16 Channel Ribbon Header Input**
- **Pin Compatible with all Omniflex Ribbon Header Outputs**
- **High Density -saves wiring and terminations**
- **Uses internal 24 Vdc supply**
- **5mA per Channel**
- **24V or 0V Common operation**

The Ribbon Header Input board is designed to provide a quick and simple interface between other Omniflex Products with Ribbon Header outputs and Omni16s. The time saving and convenience of a plug in connection instead of terminal wiring makes this the ideal choice for system integration.

The Ribbon Header Pins are based on a standard format implemented across all the Omniflex product lines. Any Omniflex product with ribbon header outputs is compatible with the ribbon header input board for Omni16.

Link settings are available for 24V Common (Standard) or 0V Common operation.

The Ribbon Header Input board is fitted into the first Input Slot on the Omni8 or 16. It has the normal Sense selection switches to enable either normally open or closed inputs for individual channel alarm definition.

SPECIFICATIONS

Input	
Type	Ribbon Header
Open Circuit Voltage Max.	+28 Vdc (Internal)
Short Circuit Current Max.	5 mA per channel
Sense selection	Each input's alarm state can be set as either Normally Open or Normally Closed. ***Implemented via DIP switch***

Connections	
Type	20 Way Ribbon Header
Rating	50 mA per channel max.
Cable	Uses C1433-x series ribbon cables
Terminal Flammability	UL94-V2

Link Settings	
24V Common (Std)	Link A-B, C-D, E-F, G-H
0V Common	Link A-C, B-D, E-G, F-H

Temperature Range	
Operating Temperature Humidity	0 °C – 60 °C (+32 °F – 140 °F) Up to 90% RH, non condensing is recommended
Storage Temperature Humidity	-10 °C – 70 °C (+14 °F – 158 °F) Less than 40% RH is recommended

Ordering Information	
Model Number	**Description**
C1174A	Ribbon Header Input Board

ELECTRICAL CONNECTIONS

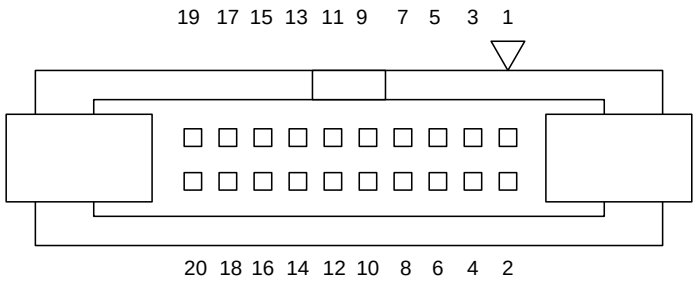


Figure 1-1 Ribbon Header Pin Layout

Pin No.	Description
1	0 Volts
2	0 Volts
3	24 Volts
4	24 Volts
5	Input 16
6	Input 15
7	Input 14
8	Input 13
9	Input 12
10	Input 11
11	Input 10
12	Input 9
13	Input 8
14	Input 7
15	Input 6
16	Input 5
17	Input 4
18	Input 3
19	Input 2
20	Input 1

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