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Find the *Philips 335-2030-500* at our website: ***Click HERE***

HPD I/O Card



335-2030-500
High Power Discrete I/O Card

Features

- When configured for an input mode, each channel acts as a tri-level discrete detector
- When configured for an output mode, each channel acts as a bi-level discrete source

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Summary

Phillips' High Power Discrete I/O Card (referred to as the HPDIO card from here on) is a daughtercard module that plugs into a Phillips ICX carrier card. As such, the HPDIO card is one of several plug-in modules that change the type and function of the ICX card in order to support different test interfaces.

The HPDIO card supports 16 channels if I/O. Each channel can be configured as an input, output, input and output, and high impedance. The high Power HPDIO card configuration identifier is 0x07.

Specifications

I/O Control:

Configuration: 48 discrete I/O channels

Individual and independent direction and control per channel

Output range: 60V

Input tri-level threshold detection range, 0.1V to 60V via onboard potentiometers

Modes per channel: Discrete output, discrete input, discrete I/O (self-monitor) or high impedance

I/O ESD Protection: 2kV per Method 3015.7

Discrete Outputs:

Configuration: 16

Max Output current:5A

Configurable dual SPST per channel (support V/GND, V1/V2, OPEN/GRD, etc.)

Output Range: 60V

Output Resistance: 0.1Ohm max

High Impedance Leakage current: 1uAdc max

Channel at reset: high impedance

Break-before-make operation

Setting time: 5ms typical

Throughput rate: >150 Hz, all output channels simultaneously updated

Discrete Inputs:

Channels: 16

Input range: 60V

Bi-level detection range: 0.1 to 60V (via onboard potentiometers or fixed resistors)

Read Status: HI-above upper threshold
MID-between upper and lower thresholds
LOW-below lower threshold

Input resistance: 106.8kOhm (unless operating in I/O self-monitor mode)

Integrated software selectable pull-up to +17V at 36mA

High impedance leakage current: 1uAdc max

Channel at reset: High impedance

Throughput rate: >300 Hz, all output channels simultaneously updated

Environmental:

Operating temperature: 0 to 70 deg C

Storage temperature: -55 to100 deg C

Relative humidity: 5 to 95% non-condensing

Ordering Information

Hardware

335-2030-500

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