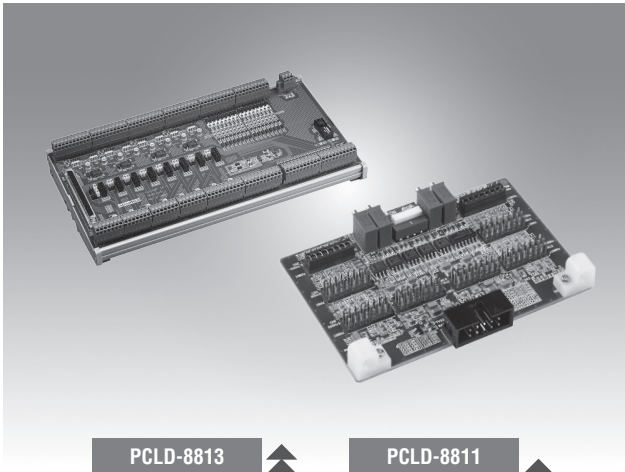


PCLD-8813 PCLD-8811

Advanced Signal Conditioning Board for PCIE-1812/PCIE-1813

Low-Pass Active Filter Board



PCLD-8813

PCLD-8811

Features

PCLD-8813

- Isolation signal-transferred for DIO and Counter
- 8 differential AI inputs programmable
- Reserved slot for each channel to plug-in active-filter PCLD-8811
- 2,500 V_{DC} DI/O isolation protection
- 500 mA maximum loading for each DO channel
- DIN-rail mounting case for easy mounting

PCLD-8811

- Low-pass active filter
- 8 set of low-pass Frequencies form 10Hz up to 40KHz
- 2 single-ended or 1 differential AI inputs
- Offset and gain calibration

Introduction

The PCLD-8813 is an advanced signal condition board that designed for PCIE-1812 and PCIE-1813. It is not only reserved slot for each channel to plug-in active filter PCLD-8811 and also provide isolation-transferred for DIO and counter function.

Specifications

Isolated Digital Input

- Channel 16
- Reference ECOM0, ECOM1
- Logic 1 $\geq 10\text{ V}$ or $\leq -10\text{ V}$
- Logic 0 $-3\text{ V} \sim 3\text{ V}$
- Maximum input voltage 30 V or -30 V
- Isolation protection 2,500 V_{DC}
- Opto-isolator response 50 μs

Isolated Digital Output

- Channel 16
- Output type Sink
- Reference ISO GND
- Load voltage 5~40 V
- Load Current 500 mA max./ch
- Isolation protection 2,500 V_{DC}
- Opto-isolator response 50 μs

Encoder Counter Input

- Single-ended input logic 1 2.8 V min.
- Single-ended input logic 0 0.8 V max.
- Single-ended reference ISO GND
- Differential input logic 1 0.2 V min.
- Differential input logic 0 -0.2 V max.
- Maximum input voltage 12 V
- Minimum input voltage -12 V
- Isolation protection 2,500 V_{DC}
- Maximum input frequency 10 MHz

Encoder Counter Output

- Output type 2.8 V min.
- Single-ended input logic 0 0.8 V max.
- Single-ended reference ISO GND
- Differential input logic 1 0.2 V min.
- Differential input logic 0 -0.2 V max.
- Maximum input voltage 12 V
- Minimum input voltage -12 V
- Isolation protection: 2,500 V_{DC}
- Maximum input frequency 10 MHz

Ordering Information

- PCLD-8813-AE Advanced Signal Conditioning Board for PCIE-1812/PCIE-1813
- PCLD-8811-AE Low-Pass Active Filter Board

PCLD-8811 Install instruction

