

PI-303

3 channel D/A output and 16 channel digital I/O card



勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Features:

- ▶ Three independent digital to analog channels
- ▶ 12 bit resolution for each D/A channel
- ▶ Double buffered D/A converter
- ▶ Output range :0 to 5V,0 to 10V,-5V to 5V,-10V to 10V,and 0-20mA(source)
- ▶ Reference voltage: Jumper selectable -5V,-10V,or external
- ▶ Provides 16 digital I/O channels
- ▶ Each digital channel can be individually set to input or output
- ▶ All digital output channels will be at low initial state after RESET or POWER-ON

Specifications:

Analog output

- ▶ Channel : 3 channels
- ▶ Resolution :12 bits, double buffered
- ▶ Output range:
- ▶ Unipolar :0V to 5V, 0V to 10V
- ▶ Bipolar :-5V to 5V, -10V to 10V
- ▶ Current :0 to 20mA(source)
- ▶ Throughput :30,000Hz/channel
- ▶ Settling Time :7 usec
- ▶ Slew Rate :3.5V/microsecond

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▶ Data code :Straight binary (unipolar),or complementary binary (bipolar)

Digital in/output

▶ Channels :16 channels

▶ Channel setting :Each channel can be set to input, or output via a DIP switch

▶ Readback :Each input/output channel can be read back for verification

▶ Level :TTL compatible

▶ Driving :Sink 8.0mA at 0.5V/source 0.4mA at 2.4V
capacity

▶ Loading current :0.4mA max. at 0.5V/60 uA at 2.8V

Software:

▶ Furnished utilities diskette contains routines, examples, and calibration programs.

▶ Allows foreground or background operation.

▶ Provides comprehensive C, Basic, Assembly libraries

Mechanical:

▶ Dimensions :180.0 mm X 107.2 mm

▶ Net weight :140 g

▶ Board Type :2-Layer P.C.B

▶ Power Supply :+5V, +/-12V

▶ Consumption :200 mA max,+12V:50 mA max.,12V:40 mA max.

Environmental:

▶ Operating temp. :32 to 140F(0 to 60° C)

▶ Storage temp. :-4 to 248F(-20 to 120° C)

▶ Humidity :10%~90%

Ordering information:

▶ PI-303 :3 channel D/A output and 16 channel digital I/O card

▶ PI-837 :Screw terminal board