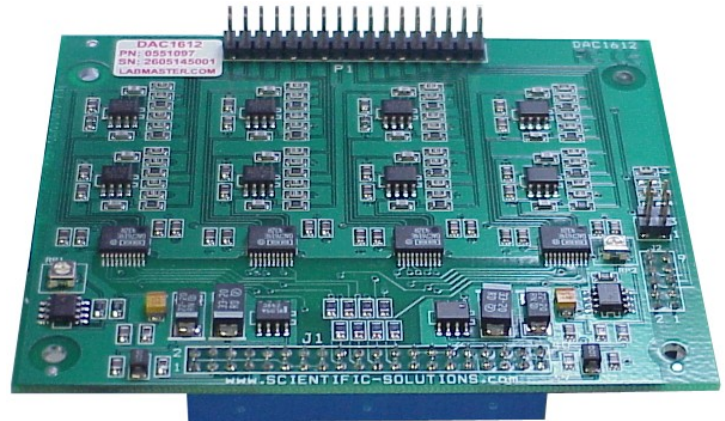


DAC 1612 ANALOG OUTPUT MODULE

FEATURES

- Provides 16 Analog Outputs
- Standard BaseBoard Module Size
- Attaches directly to the BaseBoard[®] ISA or PCI
- Scientific Solutions[®] PowerTag[®] Compliant
- Device Drivers & LabPac[®] Function Library
- Up to 192 Analog Outputs from a single PCI card



OVERVIEW

The Scientific Solutions DAC1612 Analog Output Module is for Scientific Solutions BaseBoard family of products. When used with the BaseBoard / ISA the module attaches directly to the PC card in the computer. When used with the BaseBoard / PCI product, the module is housed in the DeskTop unit.

The DAC1612 module provides 16 Analog Outputs with each output independently controlled using the Scientific Solutions LabPac32 function library.

The Scientific Solutions Analog Power Supply (APS) module also installs on the BaseBoard and supplies the DAC1612 analog circuits with regulated low-noise power supplies. A BaseBoard can accommodate from 1 to 4 add-on modules. With one position used for the APS, this leaves three other positions to be used for other modules. You can add any combination of other modules that you want (ADC, DAC, DIO, STC), including three additional DAC1612 modules to provide a total of 48 Analog Outputs.

Daisy chain up to four BaseBoard DeskTop units to have 192 Analog Outputs using DAC1612 modules.

SPECIFICATIONS

- ◆ Number of Analog Outputs: 16
- ◆ Resolution: 12 bit
- ◆ Analog Output Range: -5 volt to +5 volt
- ◆ Output Drive Current: 5 ma
- ◆ Power-up / Reset: 0 volts (mid-scale)
- ◆ Output Connector: 34 pin header
- ◆ Input Connector: 40 position BaseBoard header
- ◆ Dimensions: 3.875" x 3.200" (98mm X 81mm)
- ◆ Specification Temperature Range: -40 to +85 C
- ◆ Settling Time: 5us Typ., 10us Max. to 0.012%
- ◆ INL: +/- 1 LSB over temperature range
- ◆ DNL: +/- 1LSB over temperature range
- ◆ Monotonic guaranteed over temperature Range

ORDERING INFORMATION

PN: 020042