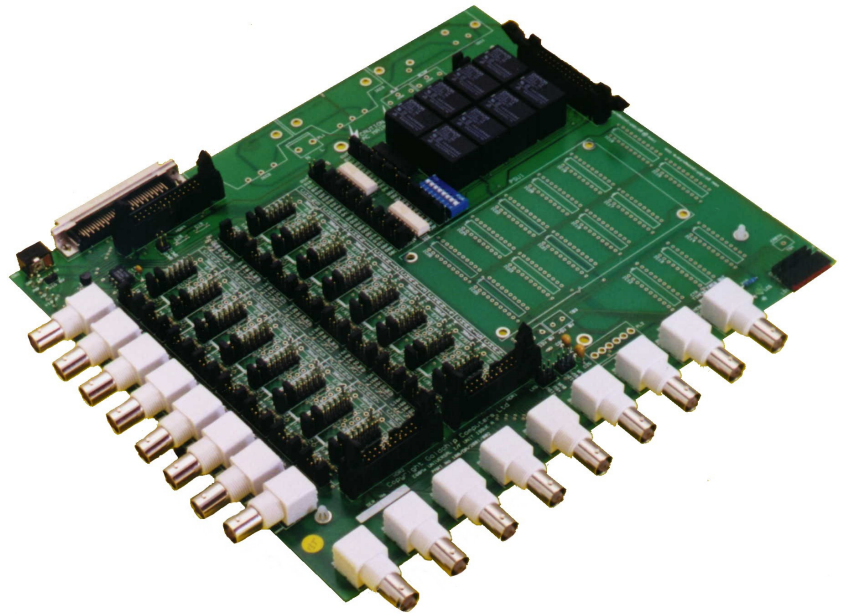


Product Datasheet 8

Features

- General purpose access to all E series DAQ card signals via edge mounted BNC and/or header connectors
- DIO channels can be used to switch upto 8 onboard relay contacts
- Requires external 12V supply, connected via edge mounted jack socket
- Can be used with a range of low cost proprietary temperature & pressure sensors for general purpose instrumentation measurements
- Plugs directly into E series range of DAQ cards via edge mounted 68- pin (male) connector
- All analogue input channels are configurable (via internal links) for a wide range of pull-up/ pull-down and divider configurations
- Default signal conditioning settings for use with a range of temperature & pressure sensors (via BNC connectors)
- Opto-isolated input drive voltage 0/5V to 75V DC
- 2K2 opto-isolator input resistor per channel.
- Input opto-isolation 2500V rms (minimum)
- Digital channels can be connected as inputs or outputs and are provided with link selectable opto-isolation and buffering in either direction. Card mounted LED's indicate DIO channel status
- Spare IC positions provided for designers additional components



Description

A versatile, low cost, general purpose Test, Development. or Instrumentation card for direct connection to the National Instruments E series (68-pin) range of Multifunction cards. Digital inputs can be connected via the N/O connection and onboard opto-isolation, directly to the 68 pin connector.

For engineers and students who are involved in developing test or instrumentation systems, and who want to use a ready-made hardware interface solution. Designed to be easy-to-use, and quickly configured via onboard jumper links.

Specifications

Connector Interface

Standard 68 way (male) connector, will connect directly to a suitable 68 way DAQ cable. Pin compatible with all NI/DAQ 'E' series, 68 pin DAQ cards.

Power supply

12V/1 amp DC max

Operating temp range

0-70°C

Relay contact rating

10 amp (2.5 amp PCB tracking).

Dimensions

Dimensions approx 250mm (D) 275mm (W) 25mm (H) (exc feet & mating header connectors)

Order code

E68MxCard

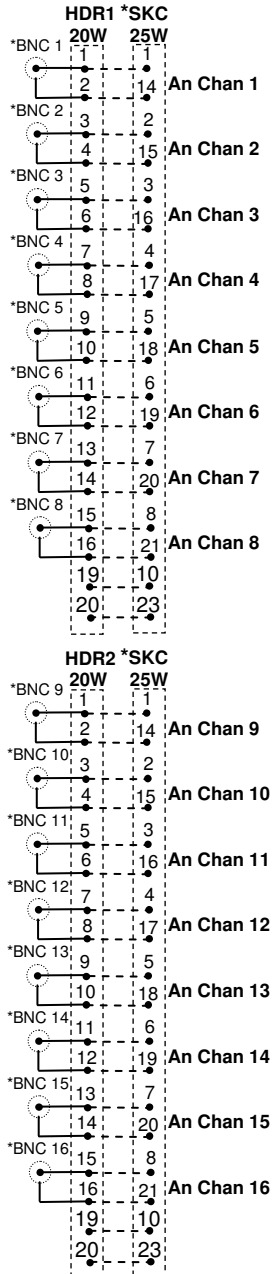
General purpose test & instrumentation development/OEM card, with access to all 68 pins of E series DAQ cards. Can be used for general purpose development or designed in as part of a system solution.

Product Datasheet 8

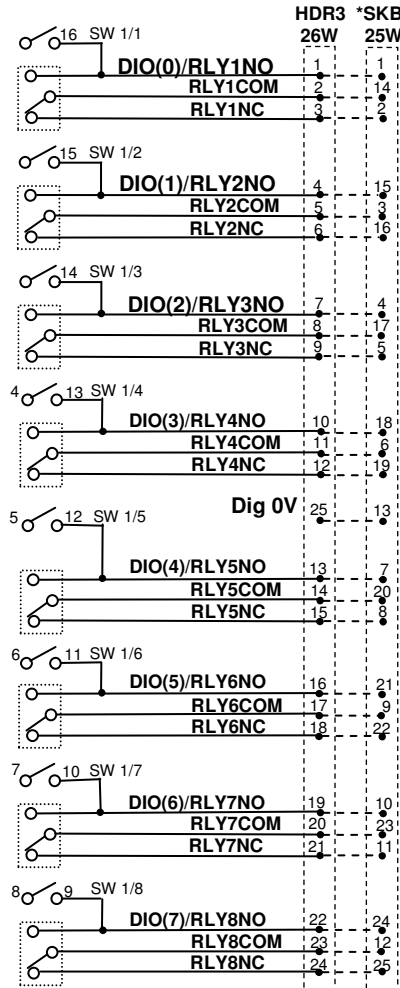
Connection details

External connections to the unit are shown below:

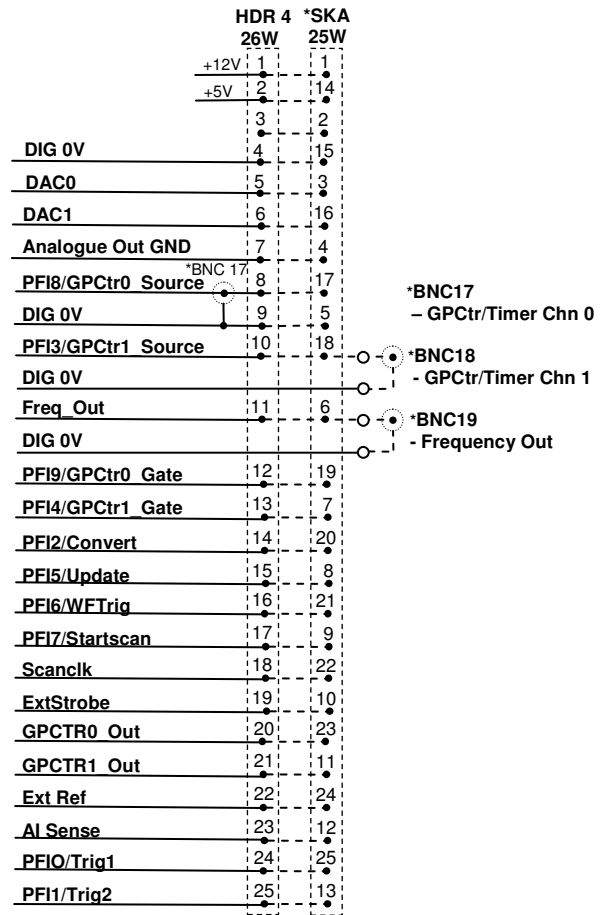
Analogue channels



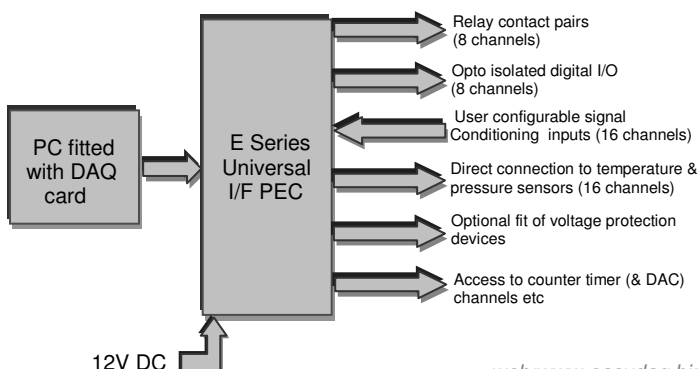
DIO/Relay channels



Other analogue/signal channels



Functional diagram:



Default channel configuration:

