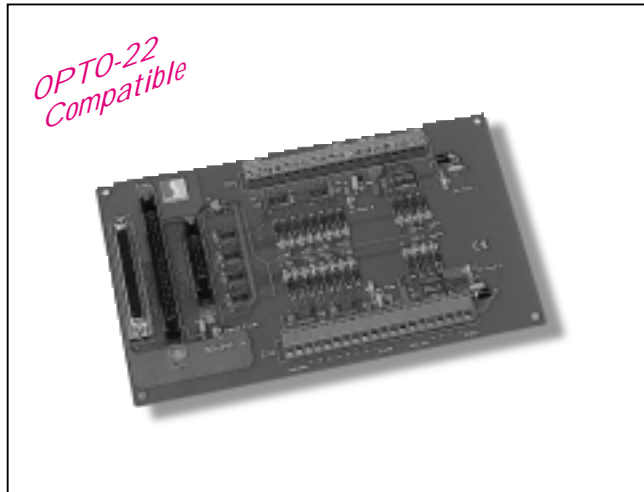




DB-24C

24-Channel Open-Collector Output Board



Functional Description

The DB-24C has 24 Channels of optically isolated digital outputs, arranged into four isolated banks. Each digital output offers a darlington transistor and integral suppression diode for inductive load. The board interface to field logic signals, eliminating ground-loop problems and isolating the host computer from damaging voltages. The DB-24C has one 37-pin D-Sub connector, one 50-pin OPTO-22 compatible male header and one 20-pin male header. The transistor is energized by applying a 5 volt signal to the appropriate input channel on the 50-pin OPTO-22 compatible connector or 20-pin flat cable connector or 37-pin D-Sub connector. Twenty-four enunciator LEDs, one for each transistor, light when their associated transistor is activated. Because there is a D-sub 37-pin connector on the board, the user may use it to interface to any TTL output board. In other words, the user may use it as a general purpose Open-Collector Output Board.

Features

- Group A (low nibble) and Group B (high nibble) has 4-channel high current open-collector output each. The max. load is 600 mA per channel.
- Group A (high nibble), Group B (low nibble), C (byte) and Group D has 8-channel open-collector output each. The maxi. load is 100 mA per channel.

- Accept 20-pin connector to control 8 high current output channel and 8 low current output channel.
- 3750V optical isolation
- 5VDC logical levels

Applications

- LEDs indicate the status of transistor
- Screw terminals for easy field wiring
- 50-Pin header connects directly to DIO-24, DIO-48, DIO-144, PCI-D144 OPTO-22 compatible board or any 722, 724 series board
- 20-Pin header connects directly to A-82X, A-626, A-628, DIO-64, PCI-1002, PCI-1202, PCI-180X, PCI-1602, PCI-DA16
- D-Sub 37 pin connector connects directly to PIO-D144 board or another OPTO-22 board with ADP-37 adaptor

Specifications

- The maximum loading current of each high current output channel : 600mA
- The maximum loading current of each low current output channel : 100mA
- Power Consumption : 5V @ 0.4A max.
- Dimension : 130mm x 220mm
- Operating Temperature : 0 -60°C
- Storage Temperature : -20-70°C
- Humidity : 5% to 90 % noncondensing

Order Description

- DB-24C: 24 channel OPTO-22 Open-Collector output Board with 1.5 meter 50-PIN Flat-Cable
- DB-24C/DIN: DB-24C with DIN-Rail mounting kit
- DB-24C/D: 24 channel OPTO-22 Open-Collector Output Board with 1.5 meter 37 pin D-Sub cable Daughter Board
- DB-24C/D/DIN: DB-24C/D with DIN-Rail mounting kit

	Low nibble	High nibble
Group A	600mA	100mA
Group B	100mA	600mA
Group C	100mA	100mA