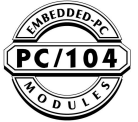


## PC/104 DIGITAL I/O MODULE



### DESCRIPTION

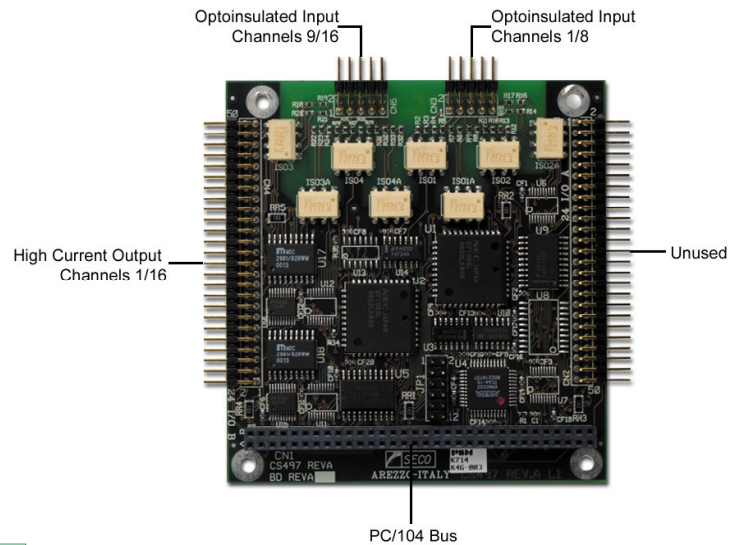
The E497R is a PC/104-format digital I/O module available in two configurations:

- 48 I/O TTL channels
- 16 High-Current Outputs and 16 Optoinsulated Inputs

Both configurations contain two 82C55 ICs, each having three 8-bits software configurable I/O ports. Each 82C55 has its own 50-pin I/O header for external connections.

The ports direction can be selected by programming control registers built into the 82C55 chip.

The I/O headers are organized to allow direct interfacing to OPTO-22 standard.



### ORDERING INFORMATION

Part Number	Description
E497R-A	48 Lines TTL Digital I/O
E497R-B	16 High Current Outputs + 16 Optoinsulated Inputs

### TECHNICAL SPECIFICATIONS

#### ■ 48 I/O TTL Channels Configuration

- **Input Voltage:**  
Low : -0.5V ÷ +0.8V  
High : 2.0V ÷ V<sub>cc</sub>+0.5V
- **Output Current:**  
Low 20mA max  
High -20mA max

#### ■ 16 High-Current Outputs + 16 Optoinsulated Inputs

- **Input Voltage:**  
High : 12V ÷ 28V
- **Output Voltage (ext. provided):**  
5V min, 50V max  
Sat 2V
- **Output Current:**  
120mA continuously for each output

#### ■ PC/104 expansion: 8-bit standard 64 pins connector

#### ■ Environmental

- Power Supply: +5V ± 10%
- Operating temperature: 0° to 70° C

#### ■ Dimensions 90 × 96 mm (3.6 × 3.8") vertical 19 mm (0.75") for each additional PC/104