Dual Serial/Parallel I/O

SBX-SPIO

Features

* Two Independent Serial Ports
* Serial Ports Provide RS-232/422/485
* Standard Baud Rates 300 - 200K
* Interrupts Fully Supported
* Uses New 16C552 UART
* 16-Byte FIFO For Each Port
* 16 Parallel I/O Lines
* Each Line Operates As Input/Output
* Open Collector Inputs & Outputs
* Outputs Have Software Read-Back
* Four Layer PCB With Ground
   & Power Planes
* 5Vdc Only Power Supply
* Eight-Bit iSBX Compatible
* Positive Lock I/O Connector

Dimensions

2.85 in. x 3.7 in x 0.5 in.
iSBX Single Wide Standard.

Power Requirements

+5VDC At 140 ma.

Mating Connectors

Two 10-Pin & One 34-Pin Ribbon
T & B Ansley 609-1041 & 609-3441 Or
Equivalent Available From R.L.C.

Part Numbers

SBX-SPIO (SBX Card)
SPIO-CON (Mating Connector Kit)
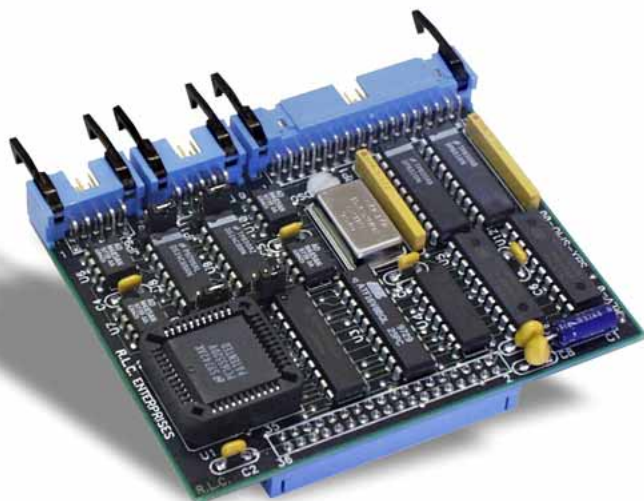
Description

The **SBX-SPIO** Dual Serial and Dual Parallel I/O module provides two RS-232/422/485 ports and two 8-Bit Parallel Input/Output Ports. Both serial ports provide full duplex serial communication with hand-shaking lines. Both serial ports provide high speed interrupt driven sixteen byte FIFO's (16C552) for both receive and transmit data. RS-422 and multi-drop RS-485 drivers with tri-state transmitter control is also provided.

Each of the sixteen parallel I/O lines can be used as either an input or output because of the on-board open collector drivers and 1K pull-up resistors.

The **SBX-SPIO** is iSBX 8-Bit compatible and will operate from any standard iSBX port. Complete documentation and user modifiable software drivers are provided including user interface schematics.

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