Merlin Embedded

MIP-SERISO Isolated Serial I/O Module

Specifications:

Serial I/O Channels: 4 channels that may be configured for RS422 or RS485

Data rate: 1Mbit/sec

Character size: 5 to 8 bits

Parity: No parity, odd, or even.

Stop bits: 1, 1.5, or 2 bits

Interrupts: trasmit/receive event

Meets IP specifcations per ANSI/VITA 4-1995

PHOTO COMING SOON

Features

- 64 byte FIFO's for transmit and receive
- Seperate interrupts for each port
- Programmable baud rate
- 16C554 UART
- No external supply required
- Conformal coating is standard on all units

The MIP-SERISO Serial I/O Module may be configured as a drop in replacement to the Acromag® IP511 and IP512. The user may choose the standard Acromag® configuration which requires an external 5V supply for each channel or the unit may be configured to take advantage of the onboard DC-DC converter that supplies 5V up to 2W.

Power Requirements

+5 Volts @ 150mA

+12Volts @ 100mA

Environmental

Operating Temperature: -40 to 85 °C

Storage Temperature: -40 to 125 °C

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