



Merlin VME Sales

9850 SERIAL I/O MODULE

SPECIFICATIONS

4 High-speed synchronous or asynchronous channels
512 Kbytes of dual-port SRAM
Bit and byte oriented protocol support
Serial data rates up to 1 Mbit/second
RS232,RS422,RS423 or RS485 channel selectable

VME COMPLIANCE

Meets VME Specifications Revision C.1 IEEE Std.1014-1987
A24:D32 DTB Slave
Address modifier code 09, 0D, 39, or 3D HEX
Standard or Extended I/O space covering 1M consecutive byte locations, base address configurable within 16M/4G I/O Space
Board size: 6U

Power Requirements

+5 Volts @ 500mA

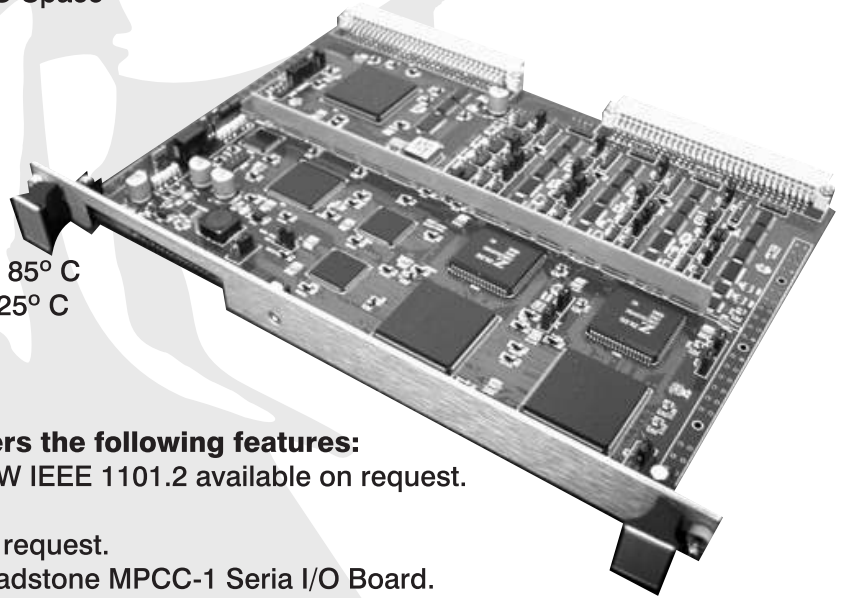
Environmental

Operating Temperature: -40 to 85° C
Storage Temperature: -40 to 125° C
Shock: 25g, 11ms on all axis

Features

The 9850 Serial Module offers the following features:

- Conduction-cooled version IAW IEEE 1101.2 available on request.
- In circuit programmable.
- Custom firmware available on request.
- Drop-in replacement for the Radstone MPCC-1 Serial I/O Board.
- Operation Modes include: single character, single character continuous, buffered, circular buffered. These modes can be configured independently in each channel.
- Buffer Lengths and buffer address are user configurable.
- Interrupts can be generated by several events such as transmit complete, receive complete receive event, etc.
- Standard configurable speeds go from 9600 bps to 115200 bps for all the operating modes.



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