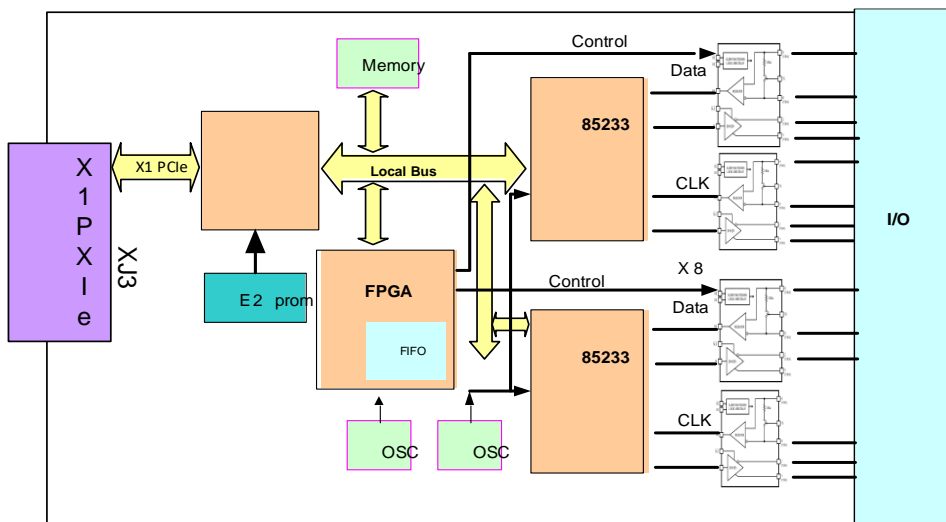


Summary

The PXle-SCC08F module is a Octal channel serial communication controller with 4K Fifo per Line. The PXle-SCC08F module is based on 8 enhanced Z85233, with larger FIFOs and several SDLC improvements from Zilog. This module provides Eight asynchronous ports up to 230 kbaud and synchronous ports up to 2 Mbaud full-duplex channels, with an independent baud rate generator for each channel. Several types of interface are supported by the PXle-SCC08F module: - RS-232 and RS-422 / RS-485 with programmable 120 Ohm Termination. User Clock for Baud rate generator.



PXle Octal Serial I/O With 4K FIFO RS-232 and RS-422/485 Software Selectable



Features

- Eight Z85233 Enhanced Controller
- Octal synchronous / Asynchronous serial ports
- 4K FIFO per Line (TX and RX)
- Software selectable RS-232 or RS-422, RS-485 HDLC, SDLC
- Individual baud rate generators per port
- 230 Kbits Async. Upto 2 Mbits Sync.
- Full handshake control line
- Software Programmable 120 Ohm Termination
- Full modem control
- Software examples included

PXle interface

- Compatible with PXle
- X1 PCIe Lane
- Local Bus Clock rates at 66MHz
- Multiple DMA operational modes
- Direct master data transfers
- Direct slave data transfers

Operating: Environmental

- Operating temperature
Commercial: 0 to +70 °C
Optional: -25°C to +80 °C
- Non-operating: -40°C to 85 °C
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-condensing)
- Altitude: 0 to 10'000 ft

Mechanical: Environmental

- Size: Vita 4 Type 1 IP
1.8" x 3.9"
- Power: +5, +12, -12 volts
- Vibration: 0.5G RMS
20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: tbd

Bus specification: MTBF: >250000 hour

ORDERING INFORMATION

Part Number: PXle-SCC08F 8 Ch RS-422/RS-485 Module
Optional Accessories

Part Number : TB-68-MDR 68 pin terminal block and 1meter flat ribbon cable
 CBL-68-MDR 68 pin, MDR Cable connector