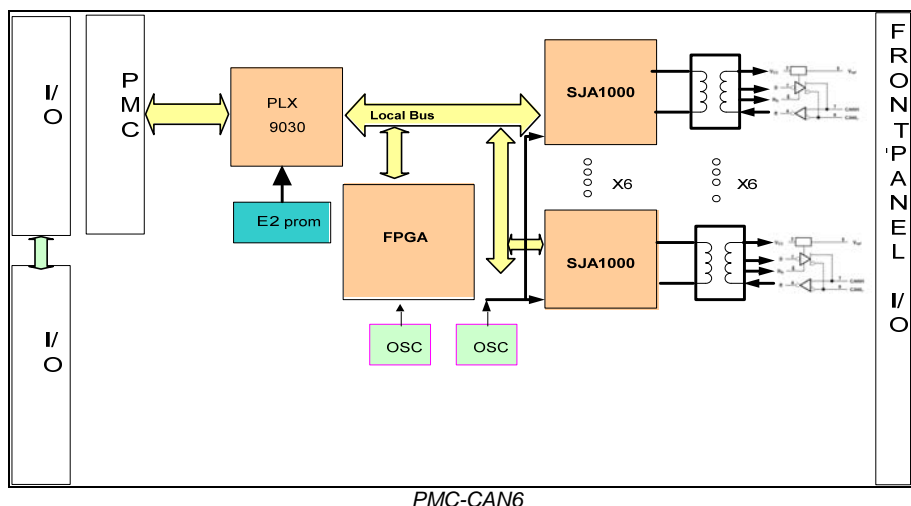# SIX CHANNELS CAN BUS

Summary

The PMC-CAN6 module has six channels CAN bus interface using NXP SJA1000 CAN controller. The PMC-CAN6 has all 6 channels Transceiver individually Isolated up to 5000Vrms.
The PMC-CAN6 support CAN 2.0B protocol. The device support 11-bit identifier as well as 29-bit identifier and Support PeliCAN Mode extensions.
The board meets ISO11898.
Transfer Bit rates up to 1 Mbits/s.
Each channel has a Logic Selectable 120 Ohm termination resistor.

PMC-CAN6

Features

- 6 Standalone CAN Controller
- Support CAN 2.0B protocol
- Support 11/29-bit identifier
- Bit rates up to 1 Mbits/s
- ISO11898   Compatible
- Support PeliCAN mode extensions
- No external power required for isolation
- Selectable 120 Termination
- 5000Vrms Isolation

PMC interface

- PCI Bus Target revision 2.3 Signaling Compliant
- VIO 3.3/5.0 Volts
- 32 Bit, 33 MHz
- Interrupts

Operating: Environmental

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

Mechanical: Environmental

- Size: Single wide PMC
  2.92" x 5.87"
- Power: 1.5 watt
- Front panel I/O
- Vibration: 0.5G RMS
  20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: tbd
- MTBF: >250000 hours

ORDERING INFORMATION		
Part Number:	PMC-CAN6	6 Channel CAN bus Controller
	PMC-CAN6–I	Same as above with -40 to +85 C

Optional Accessories

Part Number :	TB-50-SCSI	50 pin terminal block and 1meter cable
	CBL-50-SCSI	50 pin, 1 meter cable