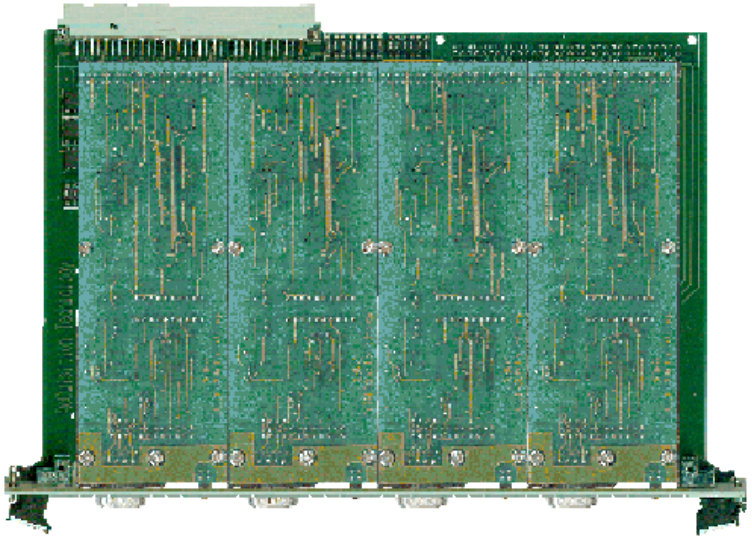
VME360

CANbus Controller for VMEbus



The VME360 CANbus controler is a 6U VMEbus board based on four SJA1000 CANbus controllers. Each SJA1000 provides an interface to the popular CANbus that supports both standard (11-bit) and extended (29-bit) identifier fields. Front panel LEDs provide diagnostical network information. The VME360 provides four CANbus interfaces. The CAN network is a serial communication protocol which efficiently supports distributed control with a high level of reliability.
This VMEbus board has a 6U form and is also available as 3U VMEbus board.

Features:

> Multi-master architecture on the CAN network
> CAN access priority determined by message identifier
> Programmable network clock frequency
> Data rate up to 1 Mbps
> Status indication by LEDs at front
> Transmit and receive FIFO buffers
> Full interrupt capabilities
> High-speed isolated ISO11898 compliant transceivers
> TTL level signals Tx0, Tx1, Rx0 and Rx1 available on output for custom physical network interface
> Supports both 11-bit and 29-bit identifier fields

VMEbus Interface

* The VMEbus slave interface of the VME360 is compliant with the VMEbus Specification Rev C.1.
* It supports standard or short addressing (A24/A16), D16/D08(EO) data transfer capabilities and configurable interrupt level (I(x)).

Controller

* SJA1000 supports CANbus rev. 2.0a (11-bit identifier) and rev. 2.0b (29-bit identifier)
* In rev. 2.0a mode, SJA1000 is software compatible with the PCA82C200

Media Interfacing

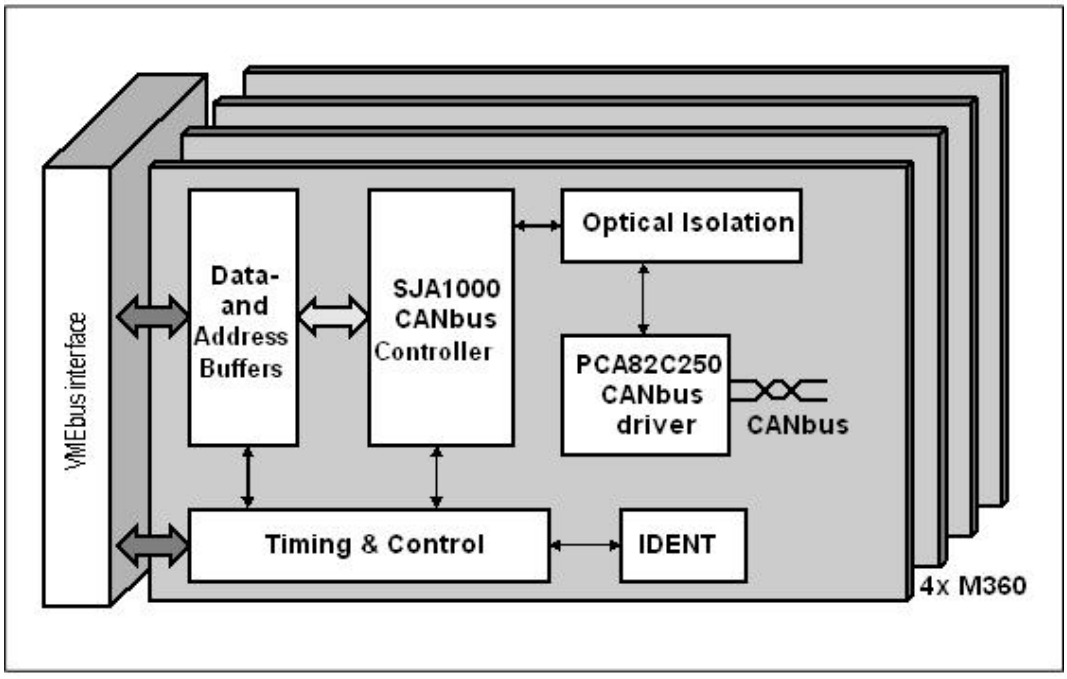
* Signals available at front in the following formats:
* ISO11898 standard using the PCA82C250T transceiver
* RS485

Network Monitoring

* Front LEDs provide diagnostic and status monitoring capabilities

Ordering Information

* **VME1360/T01** 3U CANbus controller
* **VME360/T01** 6U 4 channel CANbus controller
* **VME(1)360/SW** APIS based software
* **VME(1)360/MAN** manual on paper



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