

The VME385 Universal/Timer Controller VMEbus board is an ideal solution for automated test and measurement applications. The VME385 features eight timer/counter inputs, all inputs have an coaxial connector for the input range of +/- 10 V and high-voltage pins for the input range of +/- 300 V. The coupling of the inputs is either AC or DC. The VME385 provides 6 measurement functions: frequency, high-time, low-time, period, counter and phase measurements.

This VMEbus board has a 6U form and is also available as 3U VMEbus board.

Features:

- > Eight timer/counter inputs
- > Programmable AC/DC coupling
- > Input voltage range +/- 10V
- > Additional inputs +/- 300V
- > Front-end optically isolated
- > Programmable trigger level and sensitivity
- > Minimum pulse width of the counter signals of 20 nanoseconds
- > 32-bit counter and 32-bit timer with 100 MHz timebase

VMEbus Interface

- * The VMEbus slave interface of the VME385 is compliant with the VMEbus Specification Rev C.1.
- * It supports standard or short addressing (A24/A16), D16/D08(E0) data transfer capabilities and configurable interrupt level (I(x)).

Analog Characteristics

- * The analog front-end is software programmable with respect to trigger level, sensitivity and AC/DC coupling.

I/O Channels

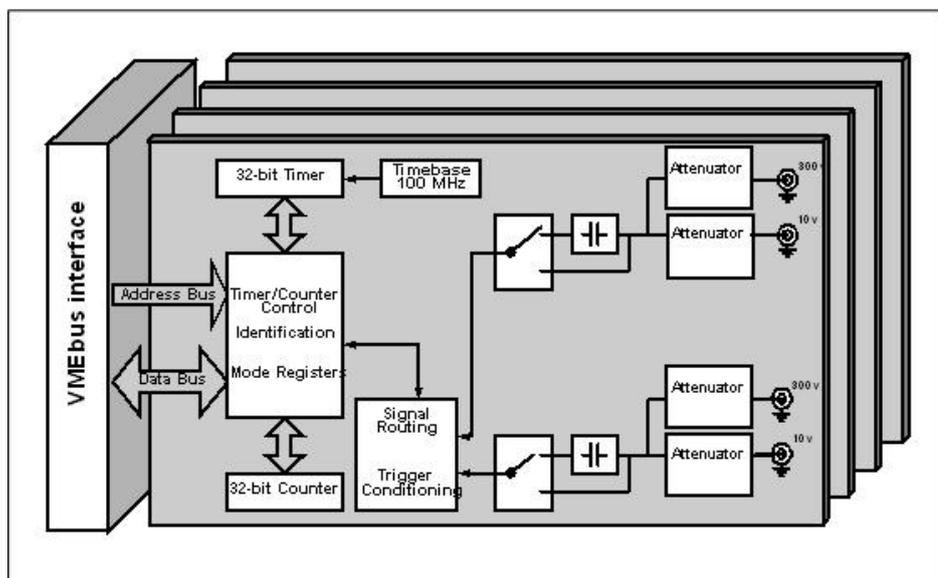
- * The VME385 features eight timer/counter input channels, all input channels consist of a coaxial connector for the input range of +/- 10 V and a high voltage pin for the input range of +/- 300 V.
- * The coupling of the input channels is either AC or DC.
- * The input range and the coupling of the input channels is software selectable.

Typical Applications

- * Frequency measurement
- * High-time and low-time measurement
- * Period measurement
- * Phase measurement
- * Event counting

Ordering Information

- * **VME1385/T01** 3U Universal timer/counter VMEbus board, 100 MHz timebase
- * **VME1385/T02** 3U Universal timer/counter VMEbus board, 250 MHz timebase
- * **VME385/T01** 6U Universal timer/counter VMEbus board, 100 MHz timebase
- * **VME385/T02** 6U Universal timer/counter VMEbus board, 250 MHz timebase
- * **VME(1)385/SW** APIS based software
- * **VME(1)385/MAN** manual on paper



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