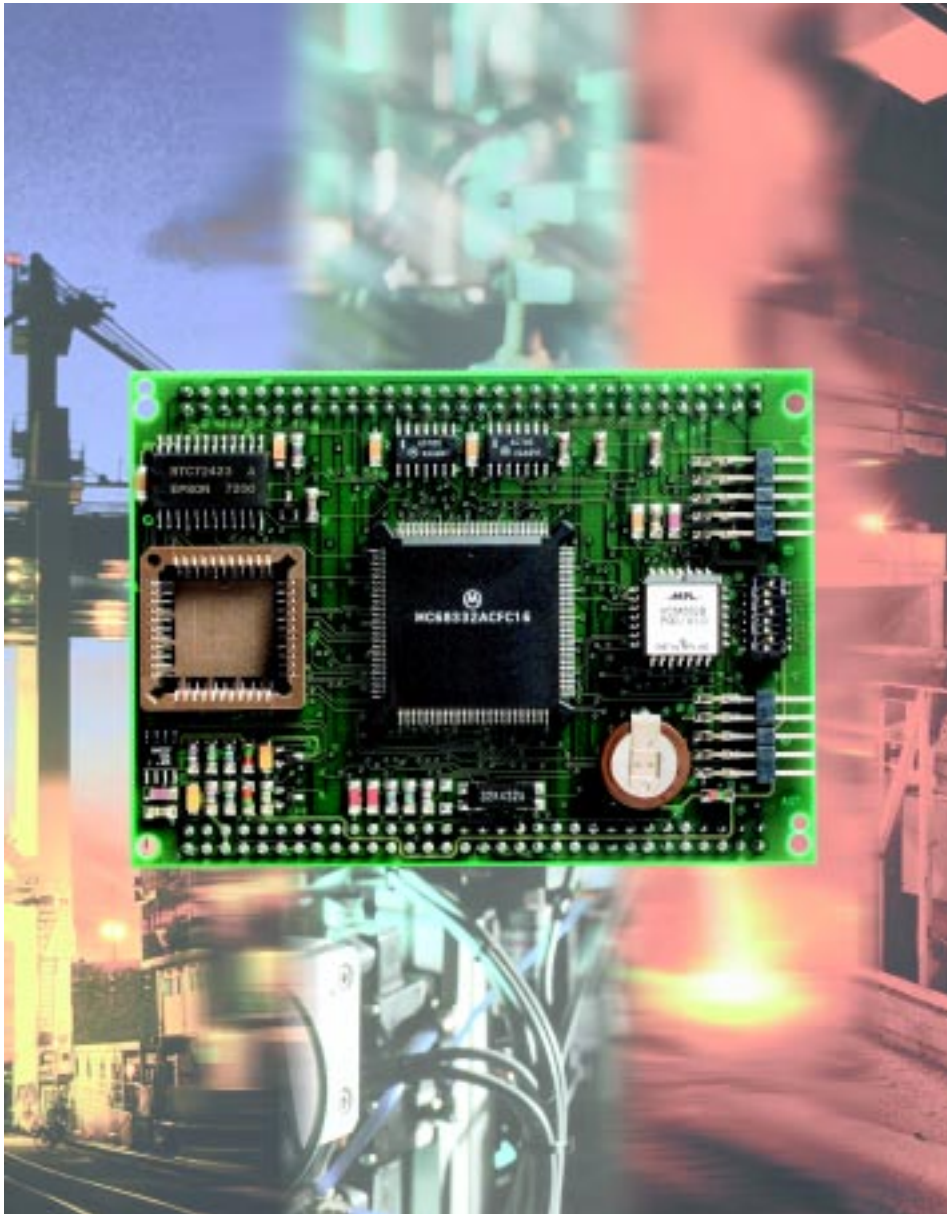


# VCM-332

## High Performance Versatile Computer Module



# VCM-332

The VCM332B and D are powerful and compact single board computers, built in all CMOS low power technology around Motorola's MC68332. The core is the 32-bit instruction processing module (CPU32), based on the powerful MC68020. Also integrated on the chip are intelligent peripheral sub-modules that dramatically increase functionality. Besides the features of the MC68332, the VCM332 is loaded with additional features that make the board extremely flexible and versatile.

All signals of the MC68332 and the on-board peripherals that do not have defined purpose by MPL are combined on two 64 pin connectors. This allows the use of your own adapter board.

## VCM-332 key advantages

- reduction of development costs
- substantial reduction of the "time-to-market"
- easy integration in your application allows you to concentrate on your product
- availability of development tools and debugging tools

The compact design and economic price of the VCM-332 offers the ideal solution for many industrial applications requiring high performance processing power:

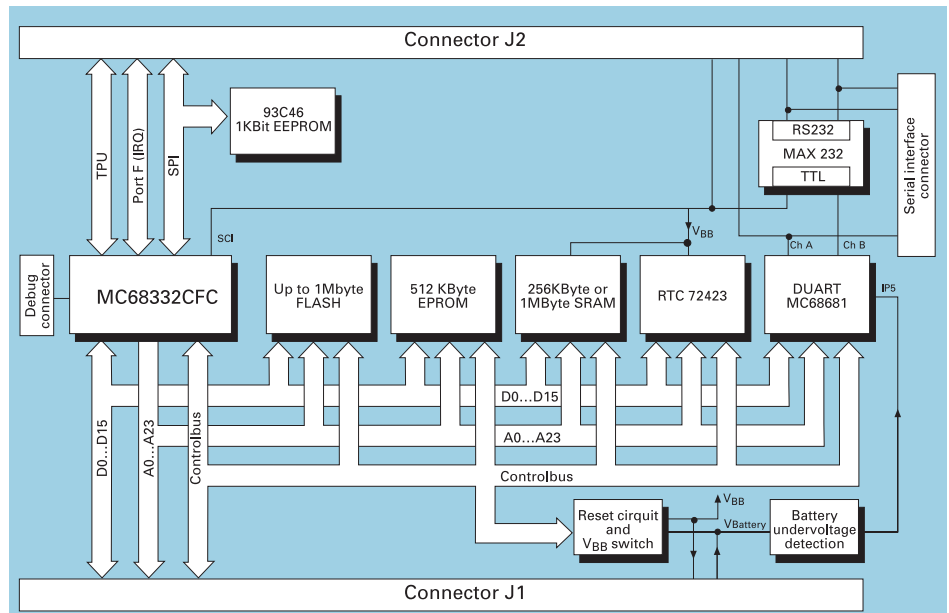
- motor and motion control
- universal machine control
- portable instrument control
- portable battery driven products
- medical instruments

MPL is a proven reliable partner for you today and tomorrow. For additional information please get in contact with us.

MPL-AG is an ISO 9001 certified company



Täferstrasse 20  
 CH-5405 Baden-Dättwil  
 Tel. +41 (0)56 493 30 80  
 Fax +41 (0)56 493 30 20  
 Email: info@mpl.ch  
 Home page: www.mpl.ch



Block diagram VCM-332B/D

## Technical characteristics

<b>Processor</b>	MC68332	
<b>Processor speed</b>	VCM332B: VCM332D:	DC to 16.777 MHz (PLL) DC to 25.166 MHz (PLL)
<b>Memory</b>	Equipped:	256 kB or 1 MB SRAM 1 MB FLASH 1024-bit EEPROM
	Not equipped:	Up to 512kB 16-bit wide EPROM on a 44 pin PLCC socket
<b>Serial ports</b>	No. of ports:	One TTL-level Two RS232 level (w/o handshake)
<b>Clocks/timers</b>	Timers:	One 16-bit timer (68681) Various timers via 68332 TPU
	Clock/calendar:	RTC72423, can be battery buffered
<b>Connectors</b>	Serial interface: Debug interface: I/O interface:	One 10 pin (all three serial ports) One 10 pin Two 64 pin connectors
<b>Technology</b>	SMD:	100% CMOS
<b>Mechanical specs</b>	Length x width: Overall height:	95 x 69 mm (3.75 x 2.75 in) 15 mm (0.6 inch) incl. connectors counterpart
<b>Environment specs</b>	Temp. range: Extended range: Relative humidity:	0° C to 70° C -25° C to +85° C 20 – 90% non condensing
<b>Power</b>	Power requirements: Power range:	+5 V only/140 mA @ 16.777 MHz 4.75 to 5.25 V

Our local distributor