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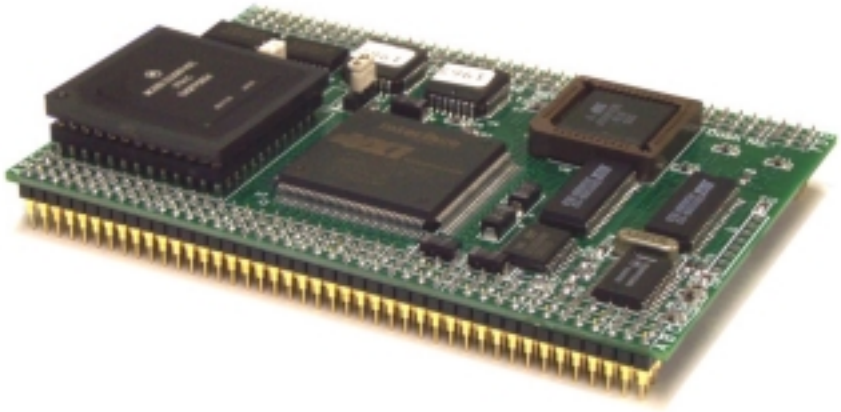
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Find the *Interface Technology DT9160* at our website: ***Click HERE***

Quality VXI Interface Products
From the Performance Leader ....

DT9160
Interface Daughter Card



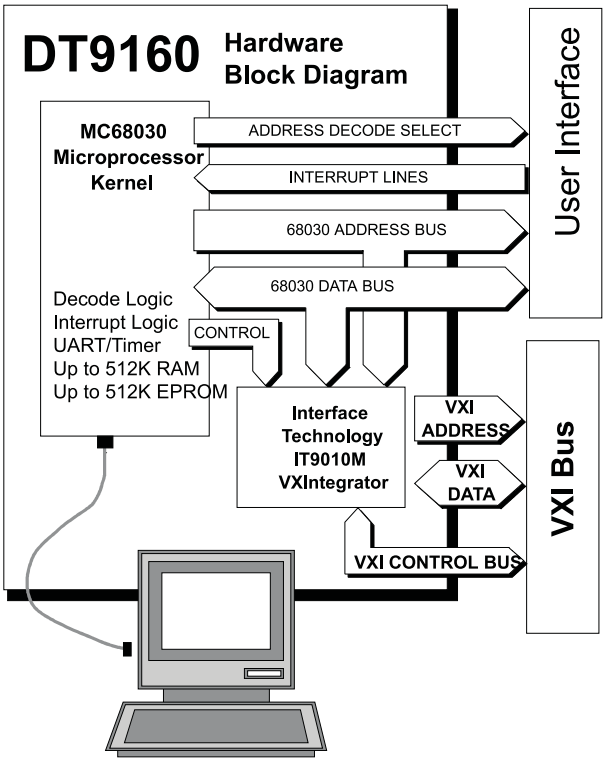
- 40 MHz 68030 Microprocessor
- Up to 512K RAM
- 128K EPROM
- RS-232C Development Port
- Supports VXI Bus Master
- A24 / A32 Shared Memory Control
- Device Dependent and Reserved Register Support
- All Required VXI Registers Onboard
- Supports D8/D16/D32/A16/A24/A32
- Programmable Interrupter
- Dynamic or Static Configuration

40 MHz

The DT9160 provides a compact message-based VXI interface implemented on 13.5 square inches of board space. This leaves 90+ square inches of unrestricted design space on a standard C-size module, plus 10 sq. in. of additional space available under the DT9160. RS-232C port can be used with many development packages for source level debugging.

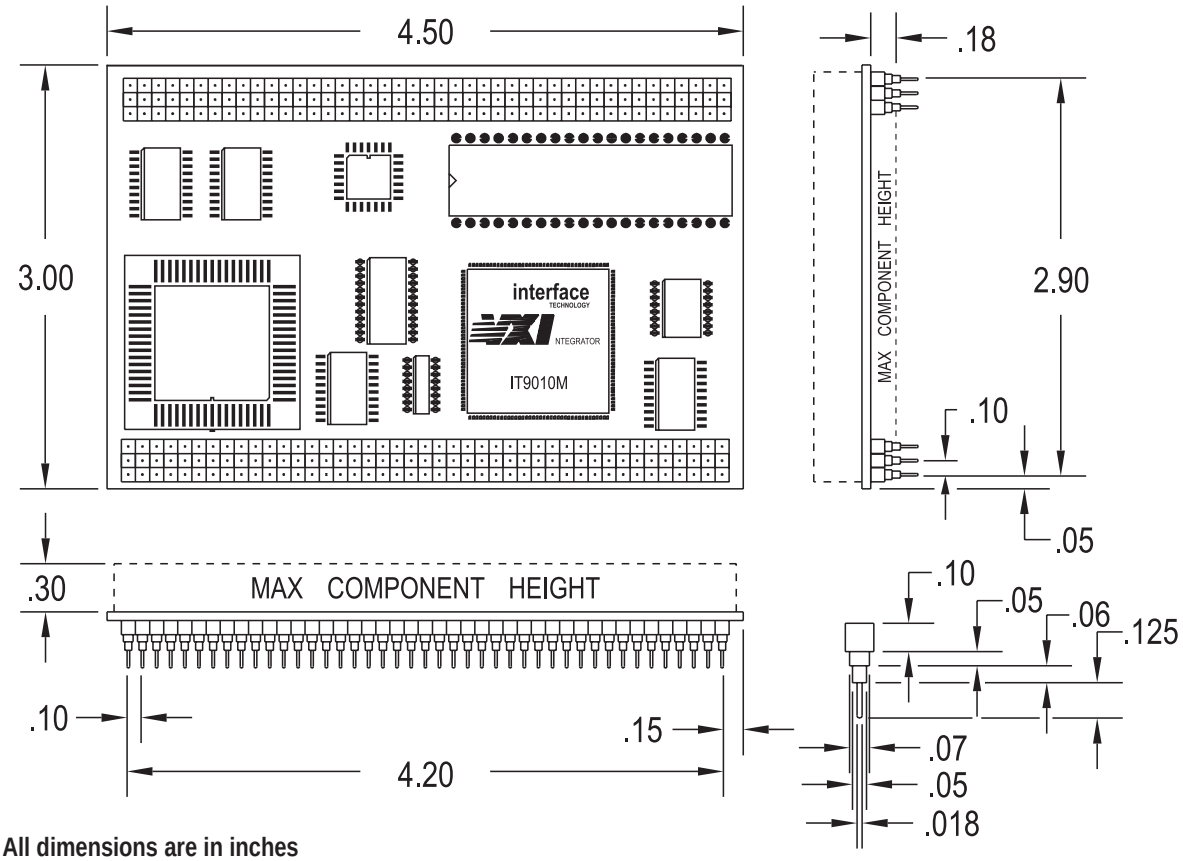
The DT9160 represents the state-of-the-art approach to VXI product development and manufacturing. Taking advantage of the robust feature set of the IT9010M VXIntegrator® chip, the DT9160 combines all of the elements necessary to implement a full message-based VXI interface, with a minimum of space and effort.

The IT9010M chip provides all of the configuration registers and message-based device registers required by the VXI specification, while the 68030 provides a high performance processor for command parsing and instrument control. Required and optional functions, such as Read Ready and Write Ready violation detection, Data and Signal Register Location Monitors, and a Multiple Query Error Flag are all provided on chip.



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DT9160 SPECIFICATIONS*



All dimensions are in inches

Absolute Maximum Ratings:

Supply Voltage (Vcc)	
Minimum	-0.3 V
Maximum	+6.5 V
Input Voltage (Vi)	
Minimum	-0.3 V
Maximum	Vcc + 0.5 V
Output Voltage (Vo)	
Minimum	-0.3 V
Maximum	Vcc + 0.5 V
Temperature	
Storage (Tstg)	-40º C to +70º C
Operating (Topr)	0º C to +50º C

Output Current (Ios)[1]:

	Min (mA)**	Max (mA)[2]
O	-40	+40
O(H)	-90	+180
O(ACT)	-75	+ 75
O(ALS)	-112	+75
O(COM)	-10	+10
I/O(ACT)	-75	+75
I/O(FA)	-150	+75
I/O(V)	-75	+75
O(V)	-75	+75

Recommended Operating Conditions:

Supply Voltage (Vcc)	
Minimum	4.75 V
Typical	5.0 V
Maximum	5.25 V
Input High Voltage (Vih)	2.2 V, min.
Input Low Voltage (Vil)	0.8 V, max.

Operating Temperature (Topr):

Minimum	0º C
Maximum	+50º C

Supply Current @ 5 V:

1000 mA

1 No more than one output should be shorted at one time. Duration of short should not exceed 1 sec.

2 Current out of a terminal is given as a negative value.

* Specifications subject to change without notice.

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