

# F16105

## Very Intelligent Peripheral Controller

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**Advance Product Information****Microprocessor Product**

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**Description**

The F16105 Very Intelligent Peripheral Controller (VIPIC) is a general-purpose device to be used either with the F16000 microprocessor family or as a stand-alone system element. The controller is easy to program in both assembly language and high-level language.

- **Upward Software Compatibility with the F16032 Microprocessor**
- **Internal 10-MHz Clock Speed with Instruction Prefetch**
- **4096-Byte ROM**
- **192-Byte Two-Port RAM**
- **64-Byte Scratchpad RAM**
- **32 Pins Individually Programmable as I/O**
- **Asynchronous Communication Interface Port**
- **Cascadable 16-Bit Timer and Event Counters**
- **Eight Vectored Interrupts**
- **Input/Output Processor (IOP) or Single-Chip Configurations**
- **Remote or Local Bus Configurations**
- **External Memory Access of 56K Bytes**