

## VME / VSBbus Data Acquisition Module Quad Channel 14 bit - 2MSPS ADC's

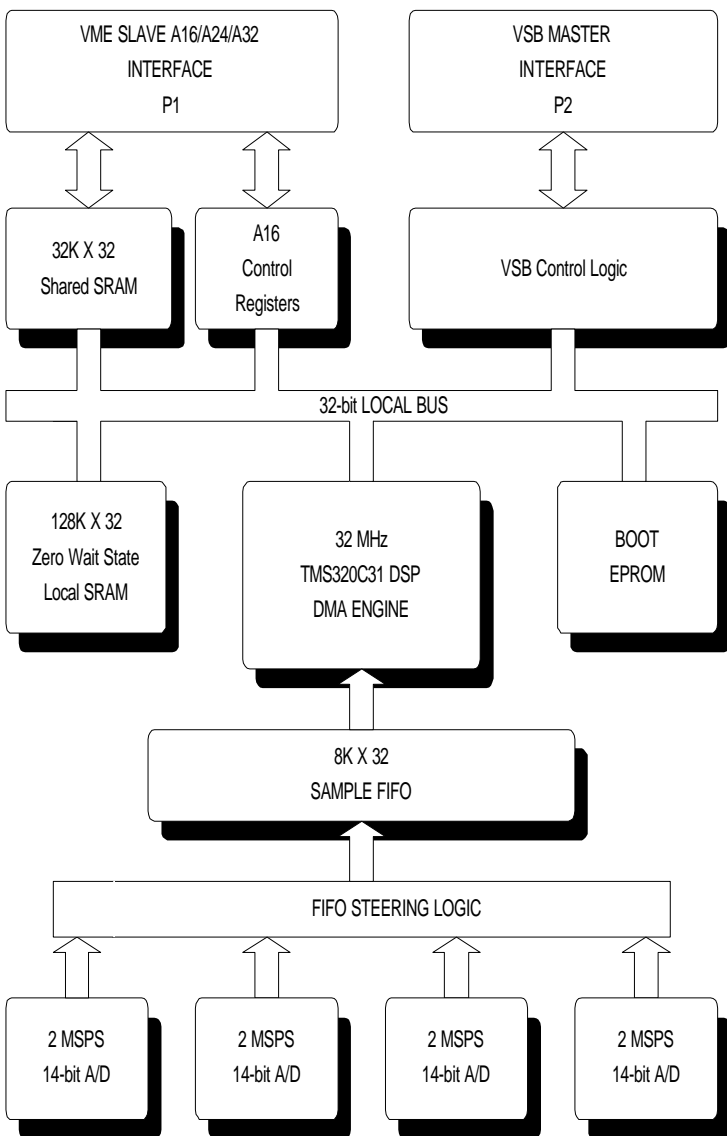
AD42M Analog to Digital Converter  
14-bit 4 Channel 2 MSPS/Channel

### FEATURE SUMMARY

- Four 14-bit 2 MegaSample/Second Analog to Digital Converters
- Simultaneous Sampling or Asynchronous w/ channel ID
- VMEbus A16/D16, A24/D16 and A32/D32 Slave Interrupter
- VSB Multiple Master Interface
- 128K x 32-bit zero wait state SRAM
- 32K x 32-bit Shared RAM with VMEbus
- One 512K X 8-bit EPROM
- One DMA channel
- Internal synchronous trigger driven by 32-bit timer/counter to all channels
- External asynchronous trigger per channel
- External synchronous trigger to all channels
- Software Trigger from VMEbus
- 2-bit channel identifier stored with data sample
- Integrated DSP (Digital Signal Processor) running at 32 MHz
- 8K x 32-bit FIFO decouples VSB/VMEbus latency

### OVERVIEW

The AD42M Data Acquisition Module provides high performance 14-bit digitizing of analog signals for VMEbus applications. The AD42M accepts 4 differential analog inputs via front panel miniature SMC connectors. The AD42M utilizes a signal processor to acquire and store data samples. The AD42M is able to direct the data samples to local static RAM or VSB.



### ORDERING INFORMATION

<b>P/N:</b>	<b>ADM-42M-XX</b>		
<b>XX = 01</b>	<b>2 MSPS</b>	<b>+-10v</b>	
<b>XX = 02</b>	<b>500 KSPS</b>	<b>+-10v</b>	

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