



Your Portable Power System Experts



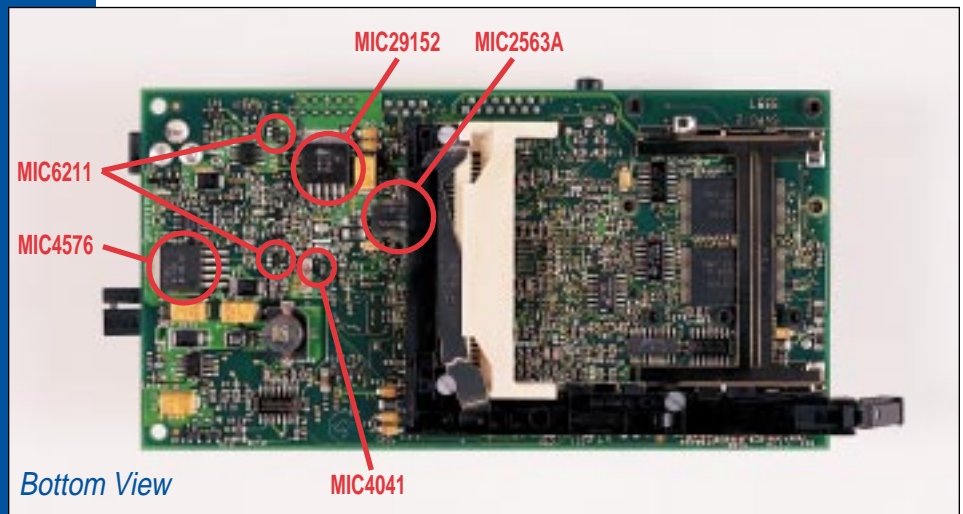
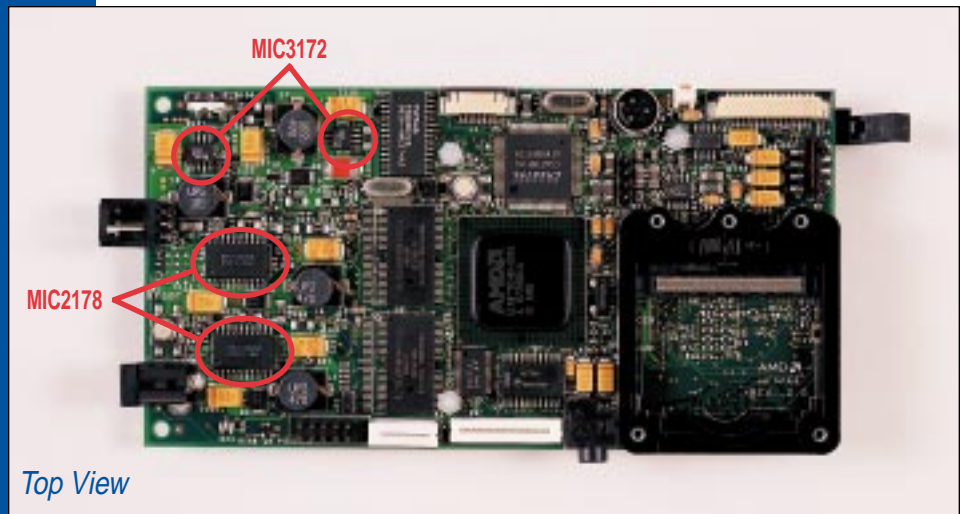
AMD and Micrel have joined forces to create a unique palm-top computer reference design. It comes equipped with many of the same features found in notebook computers.

- 66MHz, 486 Microcontroller
- PCMCIA Port
- Minicard Port
- 2-Way Infrared Port
- RS-232 Interface
- 4-Cell NiMH Battery Charger
- LCD Display
- Touch Panel Digitizer
- Keyboard
- 16-bit Stereo Sound

A complete set of schematics and a demonstration board can be obtained from AMD. Also, a pitch pack is available which contains all of Micrel's parts found in the reference design along with a design manual.

The AMD and Micrel contacts are listed on the back side of this flyer.

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AMD ELAN™SC400 Palmtop with Windows® CE

Power ICs From Micrel

MIC2178BWM	200kHz, 2.5A Synchronous Buck Regulator
MIC2507BM	Quad, 1A High Side Switch
MIC2563A-1BSM	Dual Slot PCMCIA Power Controller
MIC29152BU	1.5A, Low-Dropout Linear Regulator
MIC3172BM	100kHz, 1.25A Boost Switching Regulator
MIC4576BU	200kHz, 3A Buck Switching Regulator
MIC6211BM5	IttyBitty™ Op Amp
MIC4041CIM3-1.2	Precision Micropower Voltage Regulator
MIC7221	IttyBitty™ Micropower Comparator

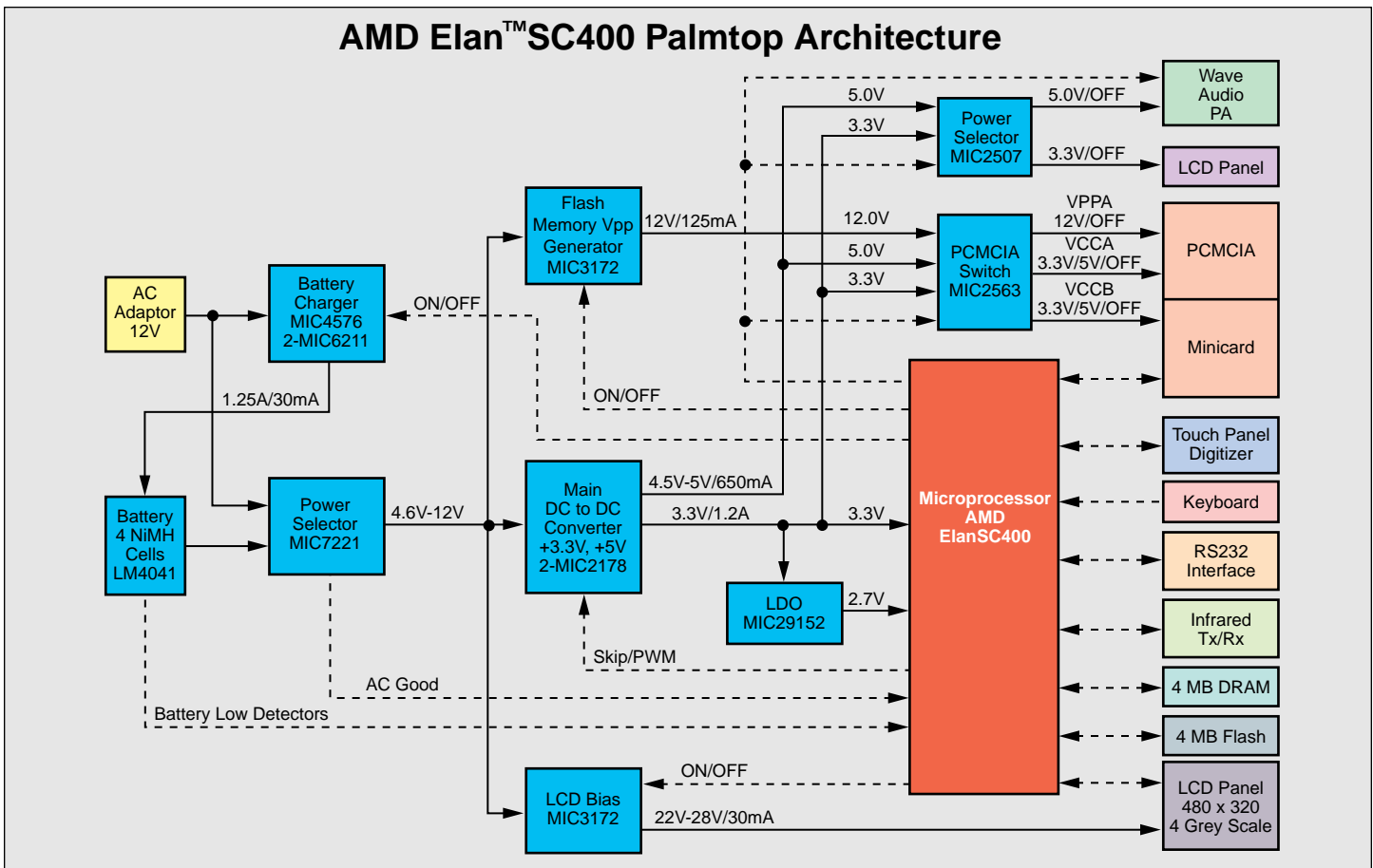
ElanSC400 Microcontroller Evaluation Board

Analog design is alive and well in portable applications. There are numerous system blocks in a palmtop that can only be realized with analog circuitry. Micrel has 12 devices that can be designed into this high performance microcontroller system.

The block diagram shows where the Micrel devices are utilized. Judicious design practices have been followed to ensure that the reference design is robust. Micrel and AMD will provide schematic diagrams of each block in the portable power system.

Turn-key solutions for palmtop computers

- 5V power supply
- 3.3V and 2.7V power solutions
- LCD bias supply
- NiMH Battery charger
- Automatic battery switch-over
- Flash-memory Vpp generator
- PCMCIA power control
- Power control



For additional information, please contact Micrel Semiconductor or AMD.

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