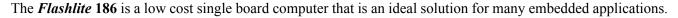
Flashlite 186

Preloaded with DOS and Flash File System

33MHz 186 Compatible Processor

- 512K Flash, 512K DRAM
- 44 Digital I/O Lines
- Console / Debug Serial Port for development
- 2 Serial Ports
 - 1 RS232
 - 1 RS232 (3-wire) / RS232 (TTL) / RS485
- 32 Pin Dip Socket to accept M-Systems DiskOnChip
- Watchdog & (2) 16 bit Timers
- 7-34V DC or 5V Power, 2 Watts nominal
- Dimensions 4.2" x 3.6" (106.7mm x 91.4 mm)



Built around a 33MHz 186 compatible processor, the *Flashlite* 186 controller offers 44 configurable digital I/O lines, 512K DRAM and 512K Flash memory, two serial ports and a console/debug serial port. Additional features include an onboard 7-34V DC voltage regulator, two 16-bit timers, a watchdog timer, I/O expansion port, as well as a socket to expand non-volatile memory using M-Systems DiskOnChip.

Like all members of the *JK microsystems* family of controllers, the preloaded, royalty-free DOS and flash file system provide a fast, yet comfortable environment for embedded development. By connecting the Console/Debug serial port to a PC and running a telecommunications program, engineers can immediately upload and execute programs on the *Flashlite* 186 platform while having both hardware serial ports available for the user's application.

Additional features include the use of *JK microsystems* peripherals for flexible I/O expansion. The *Flashlite* 186 supports the addition of LCDs, keypads, 12-bit A/D channels, relay outputs, optically isolated inputs or high current drivers.

Starting at only \$69 per unit, with volume discounts for OEM customers, the *Flashlite* 186 is a cost-effective alternative for data acquisition, communications and industrial control developments.

The *Flashlite* **186** *Development Kit* (99-0080) includes a *Flashlite* **186** single board computer, Console Cable, Connector Kit, 110Vin AC Adapter, Setup guide, Schematic and CD with Borland C/C++ V4.52 Compiler, documentation and serial driver libraries. (220Vin Development Kit 99-0081 available.)

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84-0080

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Specifications

Processor 33MHz 186 Compatible Processor

Operating System XDOS

(MS/PC DOS 3.3 compatible)

RAM Memory 512K Bytes DRAM

Flash Memory 512K Bytes Flash Memory Serial Port 1 RS-232 with 3 handshake lines

115200 baud maximum

Serial Port 2 RS-232 no handshaking or

RS-232 TTL Level or RS-485 half duplex, 115200 baud maximum

Serial Console/

Debug Port 9600 baud
Digital I/O 44 Digital I/O
Power Requirements 7 to 34 Volts DC, or

5V DC Regulated

Current Consumption 1.8 Watts, typical

Humidity 5 - 90 %, non-condensing Temperature -4 to 185°F (-20° to +85°C)

Weight 2.1 oz (60gm)

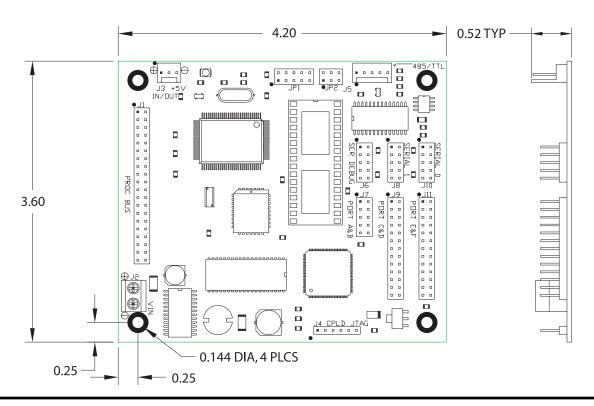
Dimensions 4.2" x 3.6" (106.7mm x 91.4mm)

Connectors

- J1 Processor Bus
- J2 Power (7-34V DC unregulated)
- J3 Power (5V DC regulated)
- J5 RS485/TTL RS232
- J6 Serial Console/Debug port
- J7 Digital I/O Ports A&B
- J8 Serial Port 1
- J9 Digital I/O Ports C&D
- J10 Serial Port 0
- J11 Digital I/O Ports E&F

Optional Features

- Addition of M-Systems DiskOnChip Flash Disk
- Peripheral boards for I/O expansion
- Serial driver library
- · Character LCD & Matrix keypad



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