



Microtex Electronics

Pulsar II Microcontroller Unit



- Industrial Temperature Grade -40° to $+85^{\circ}$ C
- Universal board supports many CPU's, including Dallas Semiconductor High-Speed Versions
- Non-Volatile Memory, Auto-Save Function
- Self-regulated, Impervious to power problems
- Analog I/O and Digital I/O
- Serial Interface and Optional LCD Screen
- Expansion Slots for Adding Peripherals
- Optional keyboard, relay, and wireless modules
- Designed for Bascom-8051 for fast development

CPU's Supported:

Dallas	- DS5000, DS8XC310, DS8XC320, DS8XC520, DS8XC530, DS80C323
Atmel	- AT89C51, AT89C52, AT89S8252
Philips	- 8XC550, 8XC31, 8XC51, 8XC54, 8XC58
SST	- SST89F5X Flashflex 51
ST Micro	- ST63155, ST63156
Intel	- 8XC31, 8XC51, 8XC251

Memory:

Simtek 15C88, 64k x 8 Non-volatile memory. Memory auto-saves RAM contents to EEPROM upon power failure or software save. Used for both boot ROM and NV storage

I/O Capabilities:

Digital I/O – The Pulsar IIE has 8 bits of user-configurable I/O. These can be set to input or output, or both. 20ma Drive.

Analog I/O – The pulsar IIE has 4 channels of Analog output (0 to +5v) and 8 channels of Analog Input (0 to +5v)

Port I/O – All port I/O are useable via separate connector

Serial – The Pulsar IIE has a full Hardware UART

LED's – The Pulsar IIE has 4 general purpose LED's

Expansion Slots – 4 general purpose memory mapped I/O slots, LCD is jumper selectable

LCD – Board supports 4x20 LCD panel or 4x16 LCD Panel with LED backlight

Expansion:

PUL-AMP – Signal conditioning board for Low level sensor inputs

PUL-KBD – Optional 4x5 Keyboard input module

PUL-RLY – 4-Channel relay bank, 5A contacts

PUL-LOG – FIFO data logger module

PUL-LCD1 – 4x20 LCD Panel/backlighted

PUL-LCD2 – 4x20 LCD Panel, daylight Silver

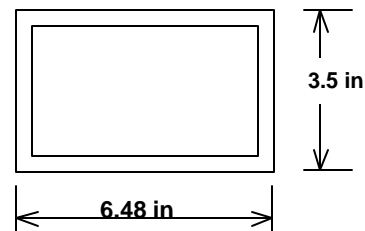
PUL-LCD3 – 4x16 LCD Panel/backlighted

PUL-900 – 900 Mhz Wireless Link

PUL-2400 – 2.4Ghz Long-range Wireless Link

PUL-CDPD –CDPD Wireless IP Radio Link

Physical:



Flexible • Rugged Environments • Proven Reliability

For More Information:

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