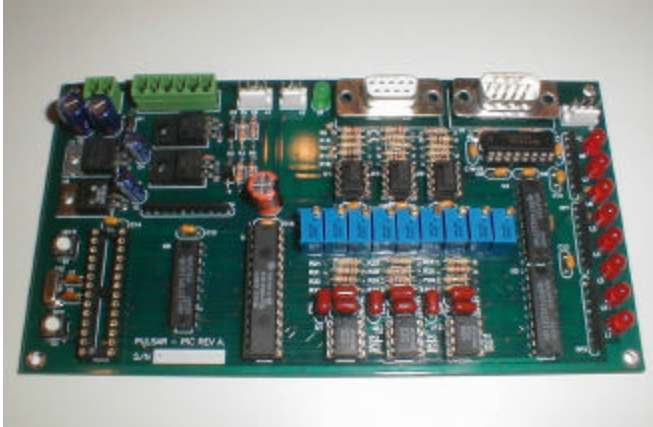




# Microtex Electronics

## Pulsar-PIC Microcontroller Unit



### CPU's Supported:

**Microchip** - PIC16C7X, PIC16C77X, PIC16C87X, Etc..

### Memory:

Simtek 12C68, 32k 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-PIC has 3 bits of user-configurable I/O. These can be set to input or output, or both. 20mA Drive.

**Analog I/O** – The Pulsar-PIC has 2 channels of Analog Input (0 to +5v), and three channels of signal-conditioned Analog inputs. These are geared for Direct Sensor Inputs.

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

**Power I/O** – The Pulsar-PIC has two channels of PWM capable 15Amp MOSFET driven connections.

**Serial** – The Pulsar-PIC has a full Hardware UART

**LED's** – The Pulsar-PIC has 8 general purpose LED's

### ETC:

**POTADJ** – The Pulsar-PIC has a manual adjust Potentiometer control.

**Regulator** – The Pulsar-PIC has on-board regulation. In addition to being non-volatile, it is also filters unwanted power fluctuations.

- **Industrial Temperature Grade -40° to +85 °C**
- **Universal board supports the Microchip PIC CPU**
- **Non-Volatile Memory, Auto-Save Function.** Memory is brown-out proof. Settings and User data will NOT be lost during power failure or brownout event.
- **Self-regulated, Impervious to power fluctuations.**
- **Analog Inputs and Digital I/O.** Three Analog channels are configured for full signal conditioning. Two are general purpose 0-5V analog input channels.
- **Reset switch and user definable Pushbutton**
- **Serial Interface for Microcontroller to communications interface.**
- **8 Individually addressable LED indicators.**
- **Manual CPU readable analog potentiometer input.**
- **Optional Amplifier, relay, and wireless modules**
- **Designed for PIC-Basic and MPLAB for fast development**

### Expansion:

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

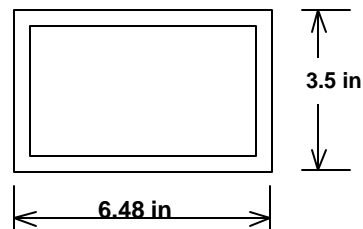
**PUL-RLY** – 4-Channel relay bank, 5A contacts

**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:

Microtex Electronics, Inc.  
3400 North Central Expressway, Ste 256  
Richardson, TX, 75082 U.S.A.  
Tel: (972) 479-1011  
Fax: (972) 479-1015  
[www.microtexelectronics.com](http://www.microtexelectronics.com)

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