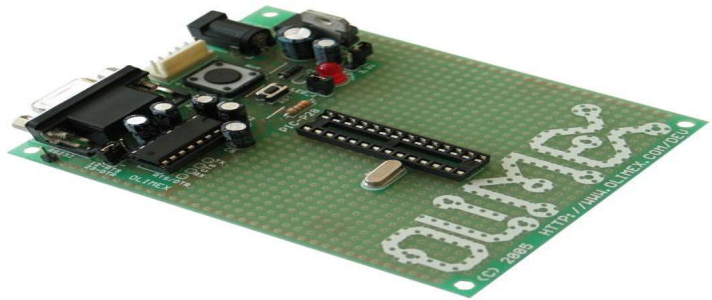




Olimex - PIC-P28-20MHZ Development Board

Product Overview:

With this board you can develop and prototype with any of Microchip's 28 pin PIC microcontrollers. The RS232 driver on board allows easy connection with PC or other embedded hardware. The board has User button and status LED. The bridge rectifier allows this board to be powered with both AC and DC power supply adapters. PIC-P28 supports both 3V low power and normal 5V operation.



Kit Content:

The board comes with

- RS232
- ICSP connector
- Three Jumper
 - +3/+5 volt Jumper
 - LED Jumper
 - DTR/RTS Jumper

Key Features:

- ICSP/ICD connector for programming with PIC-MCP-USB, PIC-MCP or PIC-PG1, PIC-PG2, PIC-PG3, PIC-PG4 programmers or debugging with PIC-ICD2, PIC-ICD2-POCKET, PIC-ICD2-TINY(* for the PICs with ICD support), PIC16F87x processors are supported by the low cost PIC-ICD1.
- RS232 Tx, Rx interface with MAX232 IC on socket
- DIL28 microcontroller socket
- Quartz crystal 20Mhz
- LED to RA0 through jumper
- user Button on RA5 port
- Reset button
- Power plug-in jack

- selectable +3.3V / +5V power supply voltage regulator
- Extension slot on every uC pin
- Gird 100 mils
- GND bus
- Vcc bus
- Four mounting holes 3,3 mm (0,13")
- FR-4, 1.5 mm (0,062"), green solder mask, white silkscreen component print
- Dimensions 100x80 mm (3,9x3,15")

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
PIC-P28-20MHZ	Olimesx	1701537	25R4925

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
PIC16F876-20I/SP	Microchip	8BIT FLASH MCU, 16F876, SDIL28	16F876	9761292
MAX232ACPE+	Maxim Integrated Products	Transceiver IC	RS232	9723773
3-338168-2	Tyco Electronics / AMP	PLUG, D, 40-40UNC, 9WAY	RS232 DB9_male	3417128

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
AC164120	Microchip	SIGNAL ANALYSIS BOARD KIT, PICKIT	PIC16F684, 25LC640	8156255	06J2422
DM164120-1	Microchip	DEVELOPMENT KIT, LOW PIN COUNT	PIC16F690	1439837	69K0012
DM164120-3	Microchip	KIT, PICKIT 2 28-PIN DEMO BOARD	PICKit 2 28-Pin Demo Board	1555681	39M8069
DV164122	Microchip	PICKit Serial Analyzer	PIC16F886	1439719	26M9206
DV164121	Microchip	DEBUG KIT, EXPRESS, PICKIT2	PIC12F5xx, PIC12F6xx, PIC16F5xx	1340278	16M6058

Document List:

Datasheets:

Part Number	Description	Size
PIC16F876	PIC16F873/4/6/7 Datasheet	3.73MB

Application Notes:

File Name	Size
AN1066 - MiWi Wireless Networking Protocol Stack	634KB
AN1229 - Class B Safety Software Library for PIC MCUs and dsPIC DSCs	399KB
ADN004 Ease into the Flexible CAN bus Network	151KB

Hardware & Software:

File Name	Size
PIC-P28 schematic	24KB
PIC ICSP connector	2.7KB
Blink LED for PIC16F876 demo code	(C source and HEX)
Button read for PIC16F876 demo code	(C source and HEX)
RS232 read/write for PIC16F876 demo code	(C source and HEX)
AN1229 Source Code	342KB