SEL0629 - Aplicação de Microprocessadores I

Aula 4 Mikro C for PIC e Kit EasyPIC v7

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Exemplo prático – Uso no Mikro C Pro for PIC



Kit de Desenvolvimento EasyPIC v.7 Mikroeletronica







connectivity

Alimentação

Figure 3-1: Dual power supply unit of EasyPIC[™] v7

Microcontroladores

Gravação On-Board

Periféricos

ICD2 connector enables users to work with other programmers.

Now you have them both: digital and analog temperature sensors.

Why didn't we think of this earlier? Ports are grouped with their buttons and LEDs

Write UART applications for laptops too. Besides RS-232, we also added USB-UART.

It's loaded with new modules: buzzer, LM35 temp sensor, I2C EEPROM and more...

It's back! 4 digit 7 segment display is now a part of EasyPIC v7.

Every available PIC device in DIP packaging can fit on EasyPIC v7.

GLCD 128x64 and LCD 2x16 character displays are now closer together.

We added three additional GND pins for easier access of your oscilloscope probes.

Special plastic GLCD and LCD holders make sure that your displays securely fit in place.

Another row of PORT headers available on the left side. Connectivity at its best.

Dual switching power supply allows the board to support both 3.3V and 5V devices.

Easily add extra boards using port headers. No soldering, just plug'n'play!

Two mikroBUS connectors enable you to use many additional boards.

Periféricos

Botões e LEDs

Tri-state DIP switches, like **SW7** on **Figure 10-2**, are used to enable 4K7 pull-up or pull-down resistor on any desired port pin. Each of these switches has three states:

J24

R80

220 DISABLE PROTECTION

Figure 10-2: Tri-state DIP switch on PORTC

PRESS_LEVEL

1. **middle position** disables both pull-up and pull-down feature from the PORT pin

2. **up position** connects the resistor in pull-up state to the selected pin

3. **down position** connects the resistor in pull-down state to the selected PORT pin.

VCC-MCU

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Figure 10-3: Schematic of the single I/O group connected to microcontroller PORTC

Periféricos Extras

Periféricos Extras

PORTD

PORTI

RD3 RD5 RD7

Figure 1: Bipolar Stepper Motor Driver

Figure 1: MICROPHONE AMP additional board

