



# **MICROCHIP**

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## ***Regional Training Centers***

### **Section 3**

### **8, 16, 32 Bits**

### **General Purpose EVM** (APP041 v1.00)

### **Introduction**

# 8, 16, 32 Bits General Purpose EVM

## ◆ APP041 v1.00

◆ **General Purpose EVM, Support 8, 16 and 32 Bits 64 Pins TQFP microcontroller.**

- Built-in PIC24FJ256GB106-I/PT.
- PIM for easy device swapping.

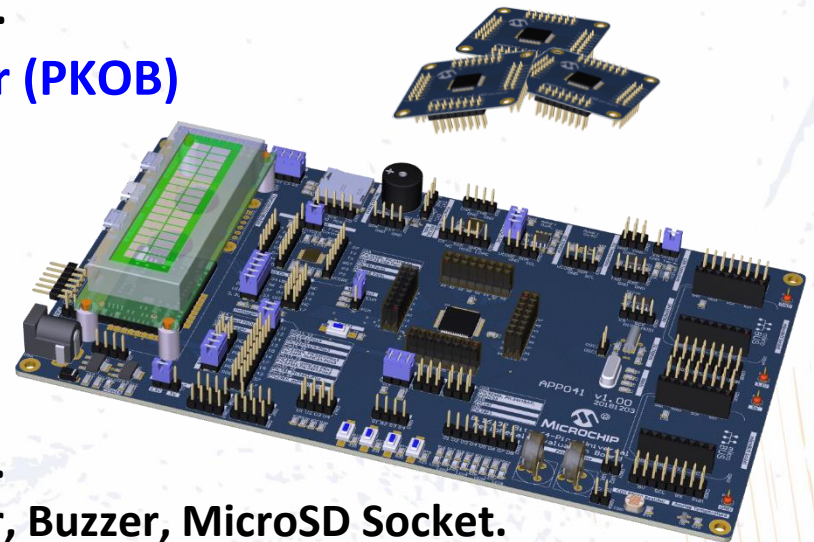
◆ **Built-in Debugger/Programmer (PKOB)**

◆ **Power**

- Programming USB Port
- Native USB Port
- DC Jack (DC 9 ~ 12V)

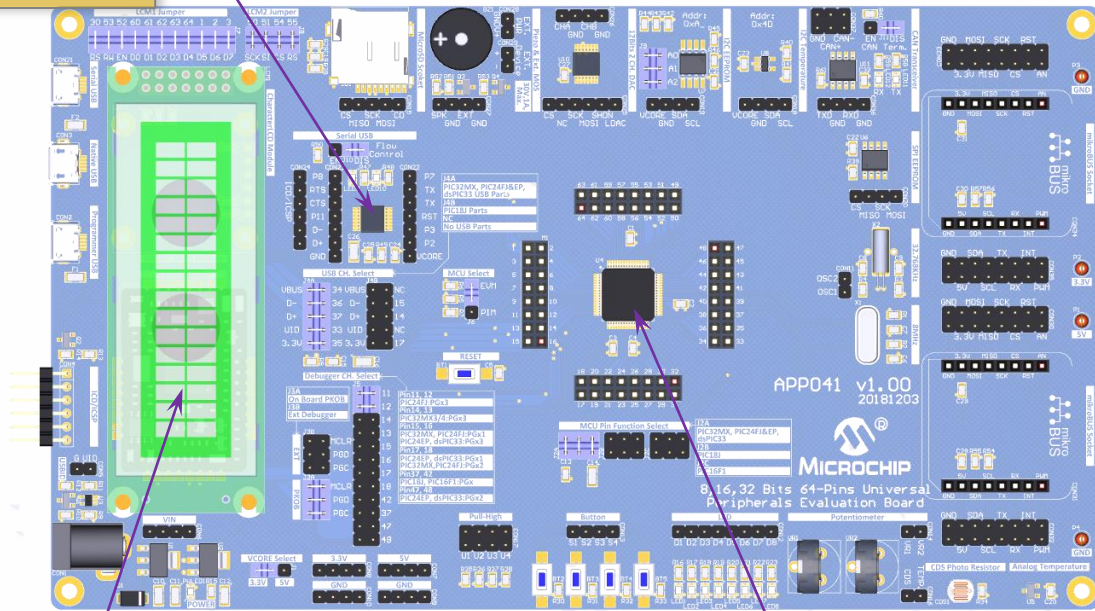
◆ **Rich component on board**

- LEDs, Buttons, Potentiometer.
- Temperature and Light Sensor, Buzzer, MicroSD Socket.
- Character LCD Module, Graphic OLED Module(Optional).
- I2C & SPI EEPROM, DAC, CAN Transceiver.
- USB Serial Emulator, MikroBUS Socket.



# Key Controller

**PIC16F1455**  
USB Serial Emulator

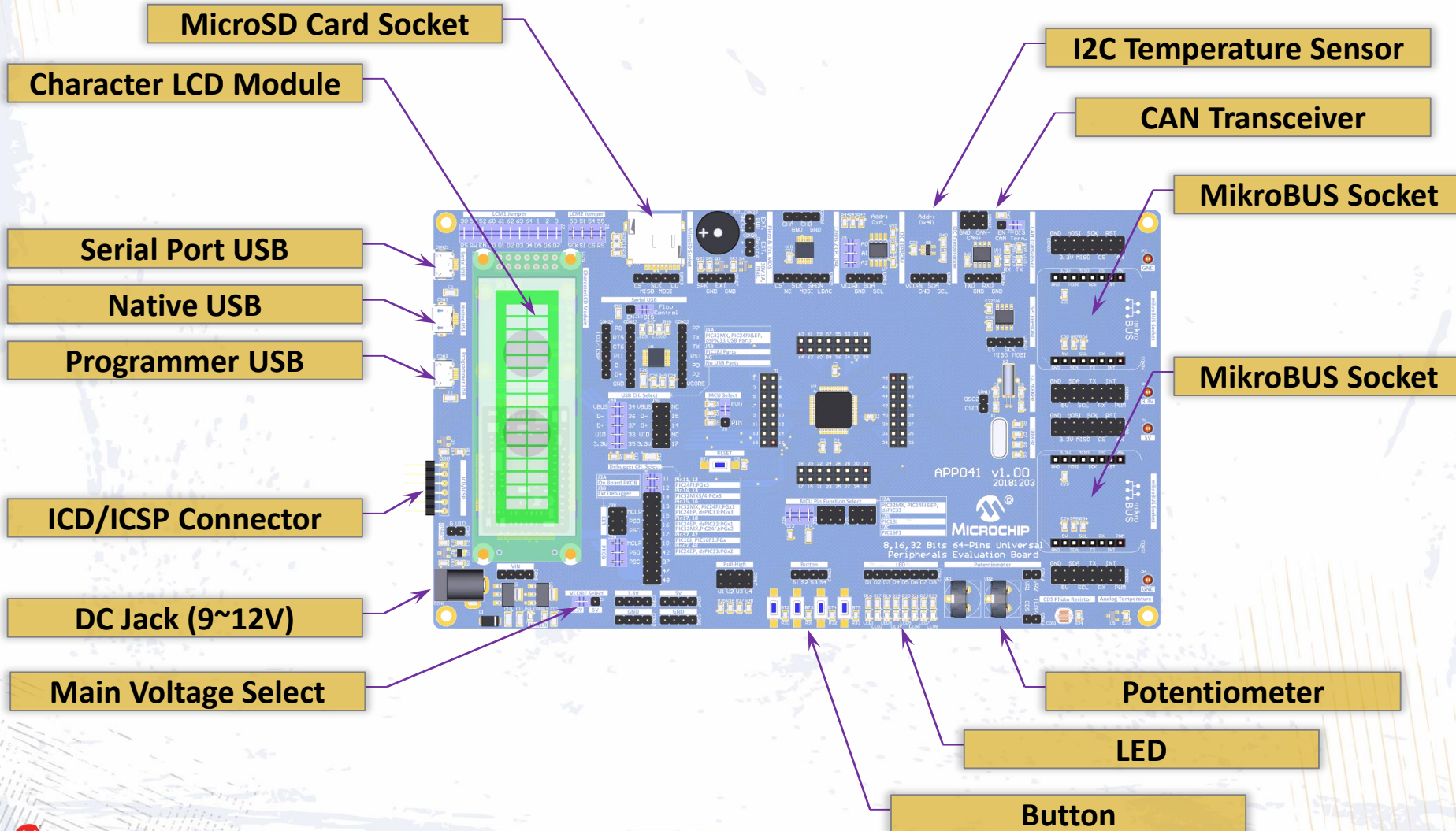


**PIC24FJ256GB106**  
PKOB Controller

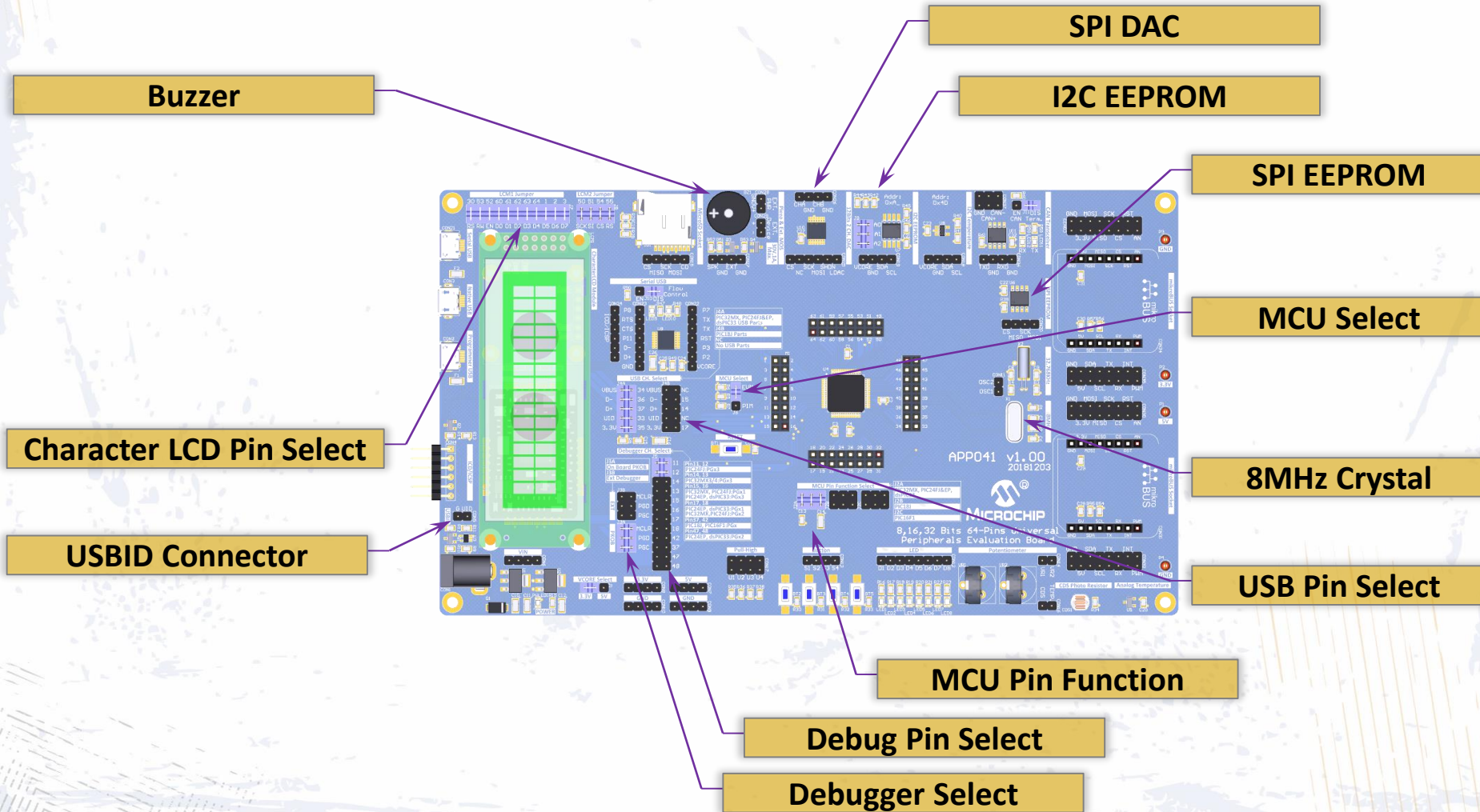
**PIC24FJ256GB106**  
Main Controller



# Components-1

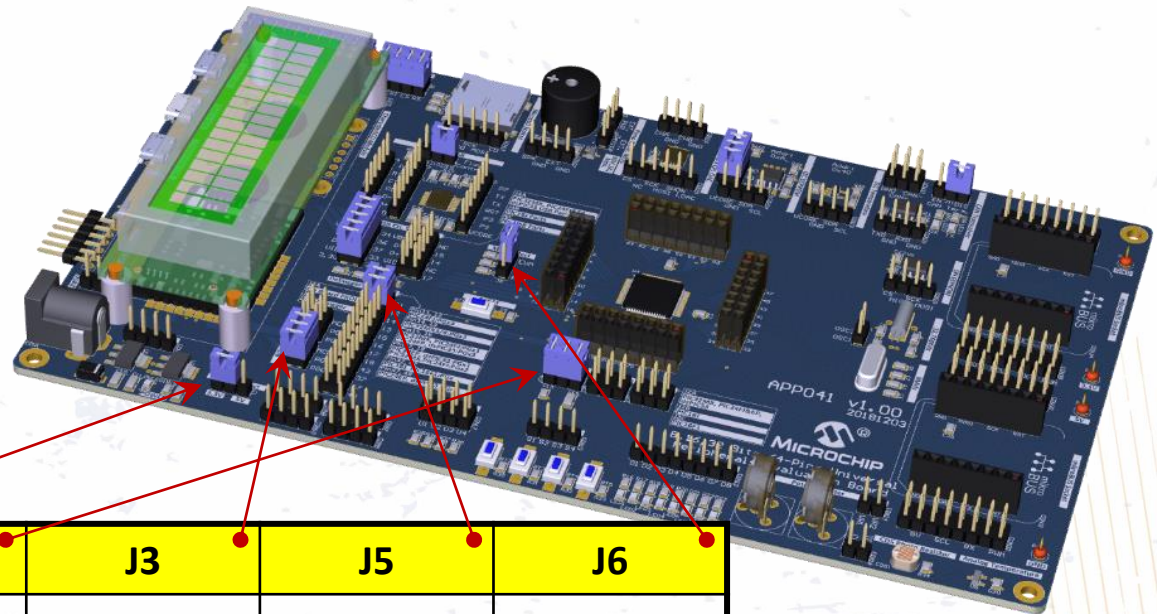


# Components-2



# Caution !

- You must check all jumpers setting before power on.
- Wrong setting will damage silicon and your power source.
- Please confirm all settings the detail show below, those setting is for PIC24FJ256GB106.

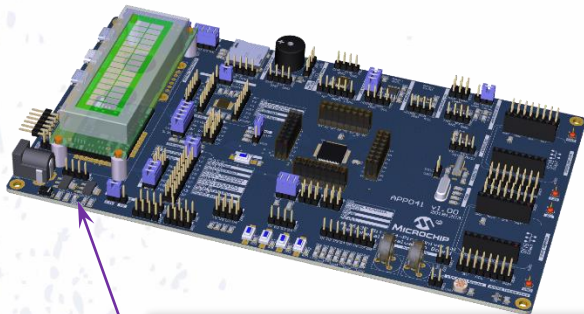


J1	J2	J3	J5	J6
3.3V	J2A	J3A (PKOB)	Pin15, 16 (PGx1)	EVM

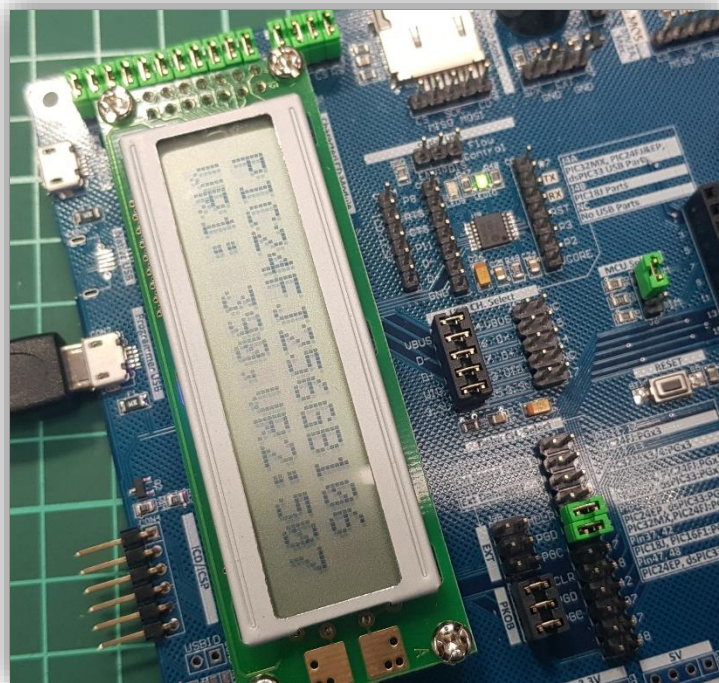


# Power On & Getting started

- ◆ Just plug-in micro USB cable to COM2 and confirm power LED (PWLED1) lighting.
- ◆ LCM show default demo by preload firmware.



LED Must lighting



# Label Errata for v1.00

