

Dice for PIC12F6XX

Supported Devices:

PIC12F609
PIC12F615
PIC12F629
PIC12F635
PIC12F675
PIC12F683



Compiler used:

boostc (sourceboost, free demo available)

PCB software used:

KiCad (Open Source software)

Short description:

Dice is a very simple project, nice as a getting started project with PIC12F programming. It uses 7 leds in order to display all possible dots of a 6-sided die. When you press the button, the leds will start spinning for a while to create the illusion of rolling the die. Afterwards it displays a number from 1 to 6.

Discription of the software:

dice.c: In the main loop, you will find a counter variable counting from 0 to 5. When the user pushes the button `if((gpio&0x20)==0x00)`, it first plays the values from the array "turn" which contains a sequence to let de leds turn. Afterwards it choses the current number from the counter a. The array "numbers" represents the numbers 1 to 6, shown on the leds.

