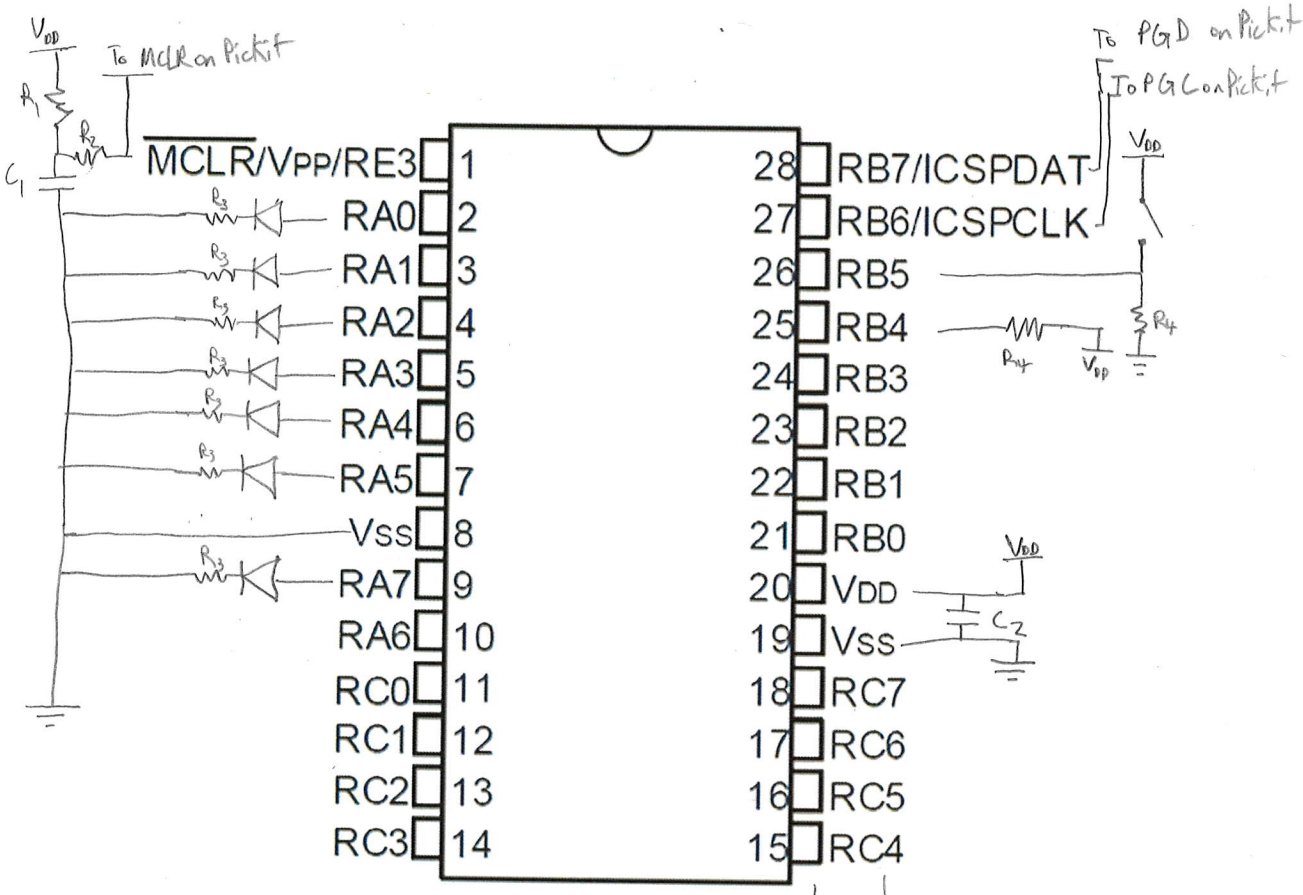
Steven Poon 30094433



Legend

C_1 = 0.1μF, 20V ceramic (recommended)

C_2 = 0.1μF, 20V ceramic (required)

R_1 = 10KΩ (recommended)

R_2 = 100Ω - 470Ω (recommended)

R_3 = 100Ω - 470Ω (required)

R_4 = 100KΩ (required)

Initialization (only runs once when the code starts)
- configure TRISA, TRISB, ANSELA, ANSELB, LATA, LATB
- RA7 pin to high

User App Run {
- create 32 bit static counter variable
- create 2 8bit variables to track button state (button) (buttonlast)
- use buttonlast to get current button state

While(1){
use button to get current state. and if buttonlast == 0 and button == 0 increment counter
if not keep looping
if so buttonlast = button
}
}