Button Latch switch with PIC16F877A Microcontroller

C1
22u

C2
22u

X1
CRYSTAL

U1

13	OSC1/CLKIN
14	OSC2/CLKOUT
2	RA0/AN0
3	RA1/AN1
4	RA2/AN2/VREF-/CVREF
5	RA3/AN3/VREF+
6	RA4/T0CKI/C1OUT
7	RA5/AN4/$\overline{SS}$/C2OUT
8	RE0/AN5/$\overline{RD}$
9	RE1/AN6/$\overline{WR}$
10	RE2/AN7/$\overline{CS}$
1	$\overline{MCLR}$/Vpp/THV

RB0/INT 33
RB1 34
RB2 35
RB3/PGM 36
RB4 37
RB5 38
RB6/PGC 39
RB7/PGD 40

RC0/T1OSO/T1CKI 15
RC1/T1OSI/CCP2 16
RC2/CCP1 17
RC3/SCK/SCL 18
RC4/SDI/SDA 23
RC5/SDO 24
RC6/TX/CK 25
RC7/RX/DT 26

RD0/PSP0 19
RD1/PSP1 20
RD2/PSP2 21
RD3/PSP3 22
RD4/PSP4 27
RD5/PSP5 28
RD6/PSP6 29
RD7/PSP7 30

PIC16F877A

VDD

R1 220R   L-1
R2 220R   L-2
R3 220R   L-3
R4 220R   L-4

SW-1
SW-2
SW-3
SW-4

R5 10k   R6 10k   R7 10k   R8 10k