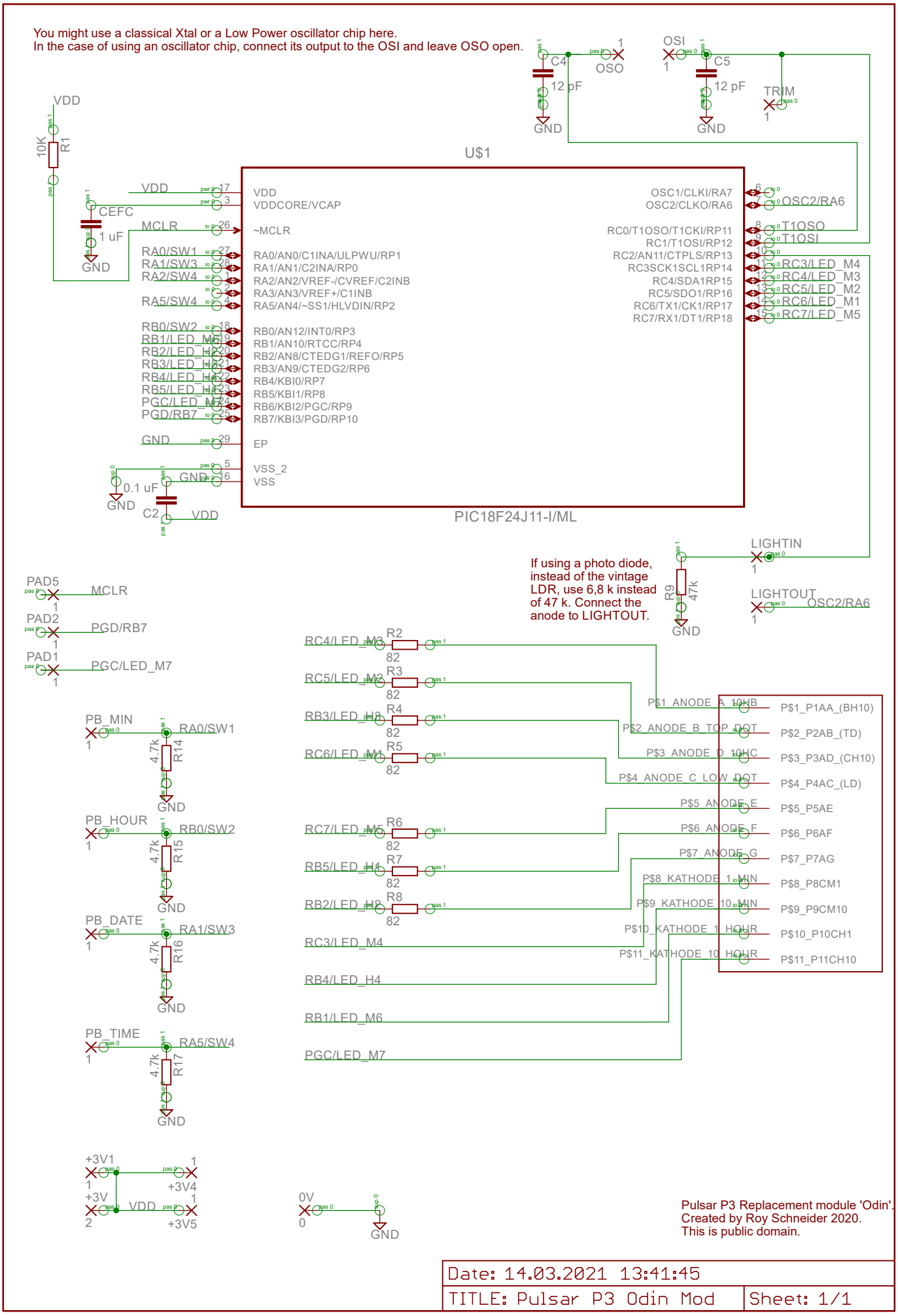
You might use a classical Xtal or a Low Power oscillator chip here.
In the case of using an oscillator chip, connect its output to the OSI and leave OSO open.
C4
12 pF
OSO
OSI
C5
12 pF
TRIM
GND
VDD
10K
R1
U$1
CEFC
1 uF
MCLR
VDD
VDDCORE/VCAP
~MCLR
RA0/SW1
RA1/SW3
RA2/SW4
RA5/SW4
RA0/AN0/C1INA/ULPWU/RP1
RA1/AN1/C2INA/RP0
RA2/AN2/VREF-/CVREF/C2INB
RA3/AN3/VREF+/C1INB
RA5/AN4/~SS1/HLVDIN/RP2
RB0/SW2
RB1/LED_M6
RB2/LED_H2
RB3/LED_H3
RB4/LED_H4
RB5/LED_H1
PGC/LED_M7
PGD/RB7
RB0/AN12/INT0/RP3
RB1/AN10/RTCC/RP4
RB2/AN8/CTEDG1/REFO/RP5
RB3/AN9/CTEDG2/RP6
RB4/KBI0/RP7
RB5/KBI1/RP8
RB6/KBI2/PGC/RP9
RB7/KBI3/PGD/RP10
GND
EP
VSS_2
VSS
0.1 uF
C2
OSC1/CLKI/RA7
OSC2/CLKO/RA6
OSC2/RA6
RC0/T1OSO/T1CKI/RP11
RC1/T1OSI/RP12
T1OSO
T1OSI
RC2/AN11/CTPLS/RP13
RC3SCK1SCL1RP14
RC4/SDA1RP15
RC5/SDO1/RP16
RC6/TX1/CK1/RP17
RC7/RX1/DT1/RP18
RC3/LED_M4
RC4/LED_M3
RC5/LED_M2
RC6/LED_M1
RC7/LED_M5
PIC18F24J11-I/ML
LIGHTIN
LIGHTOUT
If using a photo diode, instead of the vintage LDR, use 6,8 k instead of 47 k. Connect the anode to LIGHTOUT.
R9
47k
PAD5
MCLR
PAD2
PGD/RB7
PAD1
PGC/LED_M7
PB_MIN
RA0/SW1
R14
4.7k
PB_HOUR
RB0/SW2
R15
4.7k
PB_DATE
RA1/SW3
R16
4.7k
PB_TIME
RA5/SW4
R17
4.7k
R2
R3
R4
R5
R6
R7
R8
82
RC4/LED_M3
RC5/LED_M2
RB3/LED_H3
RC6/LED_M1
RC7/LED_M5
RB5/LED_H1
RB2/LED_H2
RC3/LED_M4
RB4/LED_H4
RB1/LED_M6
PGC/LED_M7
P$1_ANODE_A_10HB
P$2_ANODE_B_TOP_DOT
P$3_ANODE_D_10HC
P$4_ANODE_C_LOW_DOT
P$5_ANODE_E
P$6_ANODE_F
P$7_ANODE_G
P$8_KATHODE_1_MIN
P$9_KATHODE_10_MIN
P$10_KATHODE_1_HOUR
P$11_KATHODE_10_HOUR
P$1_P1AA_(BH10)
P$2_P2AB_(TD)
P$3_P3AD_(CH10)
P$4_P4AC_(LD)
P$5_P5AE
P$6_P6AF
P$7_P7AG
P$8_P8CM1
P$9_P9CM10
P$10_P10CH1
P$11_P11CH10
+3V1
+3V4
+3V
VDD
+3V5
0V
Pulsar P3 Replacement module 'Odin'.
Created by Roy Schneider 2020.
This is public domain.
Date: 14.03.2021 13:41:45
TITLE: Pulsar P3 Odin Mod
Sheet: 1/1