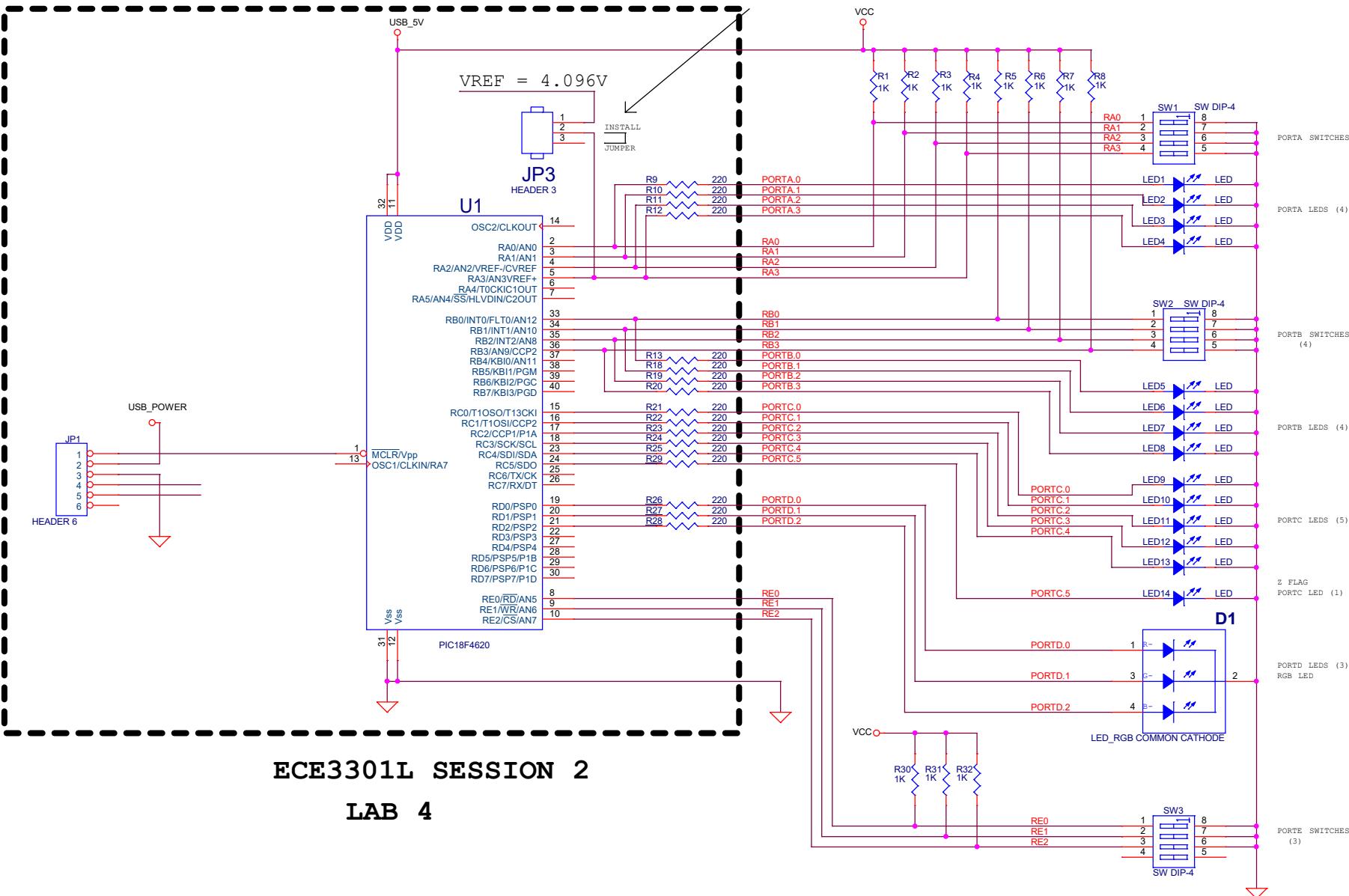DEVELOPMENT BOARD

REMOVE THE JUMPER AT JP3 THAT IS CONNECTING PIN 1
TO 2 AND MOVE IT TO CONNECT FROM PIN 2 TO PIN 3.
THIS WILL ALLOW THE SIGNAL 'RA3' TO WORK PROPERLY.

USB_5V

VCC

VREF = 4.096V

R1 R2 R3 R4 R5 R6 R7 R8
1K 1K 1K 1K 1K 1K 1K 1K

SW1   SW DIP-4

1
2
3

INSTALL
JUMPER

JP3
HEADER 3

RA0 1   8
RA1 2   7
RA2 3   6
RA3 4   5

PORTA SWITCHES

U1

OSC2/CLKOUT 14

RA0/AN0 2
RA1/AN1 3
RA2/AN2/VREF-/CVREF 4
RA3/AN3VREF+ 5
RA4/T0CKIC1OUT 6
RA5/AN4/SS/HLVDIN/C2OUT 7

RB0/INT0/FLT0/AN12 33
RB1/INT1/AN10 34
RB2/INT2/AN8 35
RB3/AN9/CCP2 36
RB4/KBI0/AN11 37
RB5/KBI1/PGM 38
RB6/KBI2/PGC 39
RB7/KBI3/PGD 40

RC0/T1OSO/T13CKI 15
RC1/T1OSI/CCP2 16
RC2/CCP1/P1A 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/P1B 28
RD6/PSP6/P1C 29
RD7/PSP7/P1D 30

RE0/RD/AN5 8
RE1/WR/AN6 9
RE2/CS/AN7 10

VDD 32
VDD 11

MCLR/Vpp 1
OSC1/CLKIN/RA7 13

Vss 31
Vss 12

PIC18F4620

R9 220   PORTA.0
R10 220   PORTA.1
R11 220   PORTA.2
R12 220   PORTA.3

RA0
RA1
RA2
RA3

RB0
RB1
RB2
RB3

R13 220   PORTB.0
R18 220   PORTB.1
R19 220   PORTB.2
R20 220   PORTB.3

R21 220   PORTC.0
R22 220   PORTC.1
R23 220   PORTC.2
R24 220   PORTC.3
R25 220   PORTC.4
R29 220   PORTC.5

R26 220   PORTD.0
R27 220   PORTD.1
R28 220   PORTD.2

RE0
RE1
RE2

LED1 LED
LED2 LED
LED3 LED
LED4 LED

PORTA LEDS (4)

SW2   SW DIP-4

1   8
2   7
3   6
4   5

PORTB SWITCHES
(4)

LED5 LED
LED6 LED
LED7 LED
LED8 LED

PORTB LEDS (4)

LED9   LED
LED10 LED
LED11 LED
LED12 LED
LED13 LED

PORTC.0
PORTC.1
PORTC.2
PORTC.3
PORTC.4

PORTC LEDS (5)

PORTC.5   LED14 LED

Z FLAG
PORTC LED (1)

D1

PORTD.0 1 R-
PORTD.1 3 G-
PORTD.2 4 B-

2

LED_RGB COMMON CATHODE

PORTD LEDS (3)
RGB LED

USB_POWER

JP1
1
2
3
4
5
6

HEADER 6

VCC

R30 R31 R32
1K 1K 1K

RE0
RE1
RE2

SW3

1   8
2   7
3   6
4   5

SW DIP-4

PORTE SWITCHES
(3)

ECE3301L SESSION 2

LAB 4