R18 10k
R16 10k
+5V

U1
PIC16F876A

1 MCLR/Vpp/THV
2 RA0/AN0 — TPSAnalogIn
3 RA1/AN1
4 RA2/AN2/Vref- — LedDriver6
5 RA3/AN3/Vref+ — LedDriver5
6 RA4/T0CKI
7 RA5/SS/AN4 — LedDriver4
+5V R22 10k

21 RB0/INT — LedDriver9
22 RB1 — LedDriver10
23 RB2 — LedDriver11
24 RB3/PGM
25 RB4 — LedDriver12
26 RB5 — LedDriver13
27 RB6/PGC — LedDriver14
28 RB7/PGD — LedDriver15
R24 10k

9 OSC1/CLKIN
10 OSC2/CLKOUT
X1 ZTT-20.00MX

RC0/T1OSO/T1CKI 11 — LedDriver3
RC1/T1OSI/CCP2 12 — LedDriver2
RC2/CCP1 13 — LedDriver1
RC3/SCK/SCL 14 — LedDriver0
RC4/SDI/SDA 15 — LedDriver7
RC5/SDO 16 — LedDriver8
RC6/TX/CK 17
RC7/RX/DT 18

+5V R20 100
J2

20 V+/Vdd +5V
C3 .01uf

8 VSS
9 VSS
SPL0

+5V
R17 100
J1
1
2
3
R19 10k — TPSAnalogIn
C4 .047uf

U2
LM2940IMP-5.0
SPL1 +5V
TP1 V+in
1 Vin Vout 3
GND 2
C1 .47uf
C2 22uf
TP2 GND
SPL0

LedDriver0 — 20 R0 — D0
LedDriver1 — 20 R1 — D1
LedDriver2 — 20 R2 — D2
LedDriver3 — 20 R3 — D3
LedDriver4 — 20 R4 — D4
LedDriver5 — 20 R5 — D5
LedDriver6 — 20 R6 — D6
LedDriver7 — 20 R7 — D7
LedDriver8 — 20 R8 — D8
LedDriver9 — 20 R9 — D9
LedDriver10 — 20 R10 — D10
LedDriver11 — 20 R11 — D11
LedDriver12 — 20 R12 — D12
LedDriver13 — 20 R13 — D13
LedDriver14 — 20 R14 — D14
LedDriver15 — 20 R15 — D15
SPL0

RA0 has integrated clamp diodes for transient protection
Do not set LVP bit - I use HV programming so RB3 is open for I/O