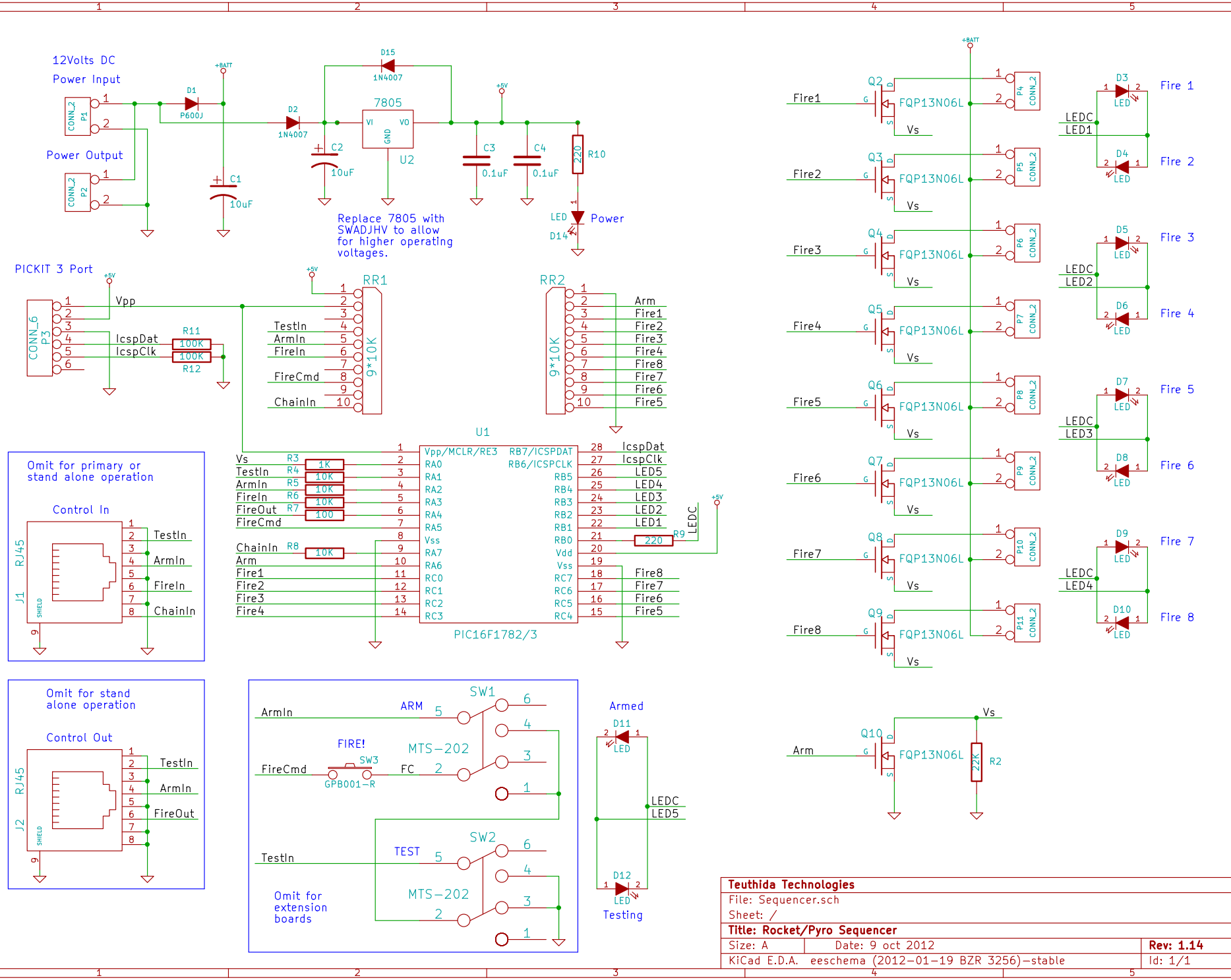
12Volts DC
Power Input
Power Output
CONN_2
P1
P2
D1
P600J
+BATT
D2
1N4007
D15
1N4007
7805
VI
VO
GND
U2
C1
10uF
C2
10uF
C3
0.1uF
C4
0.1uF
+5V
R10
220
LED
D14
Power
Replace 7805 with SWADJHV to allow for higher operating voltages.
PICKIT 3 Port
CONN_6
P3
Vpp
IcspDat
IcspClk
R11
100K
R12
100K
RR1
9*10K
TestIn
ArmIn
FireIn
FireCmd
ChainIn
RR2
9*10K
Arm
Fire1
Fire2
Fire3
Fire4
Fire8
Fire7
Fire6
Fire5
U1
PIC16F1782/3
Vpp/MCLR/RE3
RA0
RA1
RA2
RA3
RA4
RA5
Vss
RA7
RA6
RC0
RC1
RC2
RC3
RB7/ICSPDAT
RB6/ICSPCLK
RB5
RB4
RB3
RB2
RB1
RB0
Vdd
Vss
RC7
RC6
RC5
RC4
LED5
LED4
LED3
LED2
LED1
R9
220
LEDC
R3 1K
R4 10K
R5 10K
R6 10K
R7 100
R8 10K
Omit for primary or stand alone operation
Control In
RJ45
J1
SHIELD
Omit for stand alone operation
Control Out
J2
Omit for extension boards
SW1
SW2
MTS-202
ARM
FC
TEST
FIRE!
SW3
GPB001-R
Armed
D11
D12
LED
Testing
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
FQP13N06L
Vs
P4
P5
P6
P7
P8
P9
P10
P11
CONN_2
D3
D4
D5
D6
D7
D8
D9
D10
Fire 1
Fire 2
Fire 3
Fire 4
Fire 5
Fire 6
Fire 7
Fire 8
LEDC
LED1
LED2
LED3
LED4
R2
22K
Teuthida Technologies
File: Sequencer.sch
Sheet: /
Title: Rocket/Pyro Sequencer
Size: A
Date: 9 oct 2012
Rev: 1.14
KiCad E.D.A. eeschema (2012-01-19 BZR 3256)-stable
Id: 1/1