Sheet: Mounting
File: Mounting.sch

PEROUT

J1
Conn_02x05_Odd_Even

VDD
GND
CLK

1 2 MSTOUT
3 4 nRST
5 6 SYNC
7 8 GND
9 10

J2 Conn_01x08
RA0 1
RA1 2
RA2 3
RA3 4
RA4 5
RA5 6
RA6 7
RA7 8

J4 Conn_01x08
RC0 1
RC1 2
RC2 3
RC3 4
RC4 5
RC5 6
RC6 7
RC7 8

J6 Conn_01x08
RA0 1
RA1 2
RA2 3
RA3 4
RA4 5
RA5 6
RA6 7
RA7 8

J7 Conn_01x08
RC0 1
RC1 2
RC2 3
RC3 4
RC4 5
RC5 6
RC6 7
RC7 8

J5 Conn_01x08
5V 1
RB0 2
nRST 3
SYNC 4
MSTOUT 5
PEROUT 6
CLK 7
GND 8

J8 Conn_01x08
5V 1
RB0 2
nRST 3
SYNC 4
MSTOUT 5
PEROUT 6
CLK 7
GND 8

J3 Conn_01x05
VDD
GND
1
2
3
4
5

U1
PIC18F26Q10-SS
RA0 1 nMCLR IDTA 28
RA1 3 RA1 RB5 26 CLK
RA2 4 RA2 RB4 25 PEROUT
RA3 5 RA3 RB3 24 MSTOUT
RA4 6 RA4 RB2 23 SYNC
RA5 7 RA5 RB1 22 nRST
     8 VSS RB0 21 RB0
RA7 9 RA7 VDD 20 VDD
RA6 10 RA6 VSS 19 GND
RC0 11 RC0 RC7 18 RC7
RC1 12 RC1 RC6 17 RC6
RC2 13 RC2 RC5 16 RC5
RC3 14 RC3 RC4 15 RC4
ICLK 27
GND

U3
PIC16F1525
VDD 1 VDD GND 14 GND
RA4 2 RA5 RA0ID 13
RA5 3 RA4 RA1IC 12
    4 MCLR RA2 11 RA2
RC5 5 RC5 RC0 10 RC0
RC4 6 RC4 RC1 9 RC1
RC3 7 RC3 RC2 8 RC2

U2
LM1117-3.3
VI 3 VI VO 2 3V3
GND 1
GND

J9 Conn_01x02
VDD 1
2

JP1
DIP-USB-B-TYPE-FMAL_4+2P-2.0-90D_
USB
VBUS VBUS
D-   D-
D+   D+
GND   GND
S1 GND
S2 GND

5V

C1 302010138
C2 302010138
C3 302010138
C4 302010138
GND

Sheet: /
File: PICBreakout.sch
Title:
Size: B   Date:
KiCad E.D.A. eeschema (5.1.7)-1
Rev:
Id: 1/2

M1
1
Conn_01x01

M3
1
Conn_01x01

M2
1
Conn_01x01

M4
1
Conn_01x01