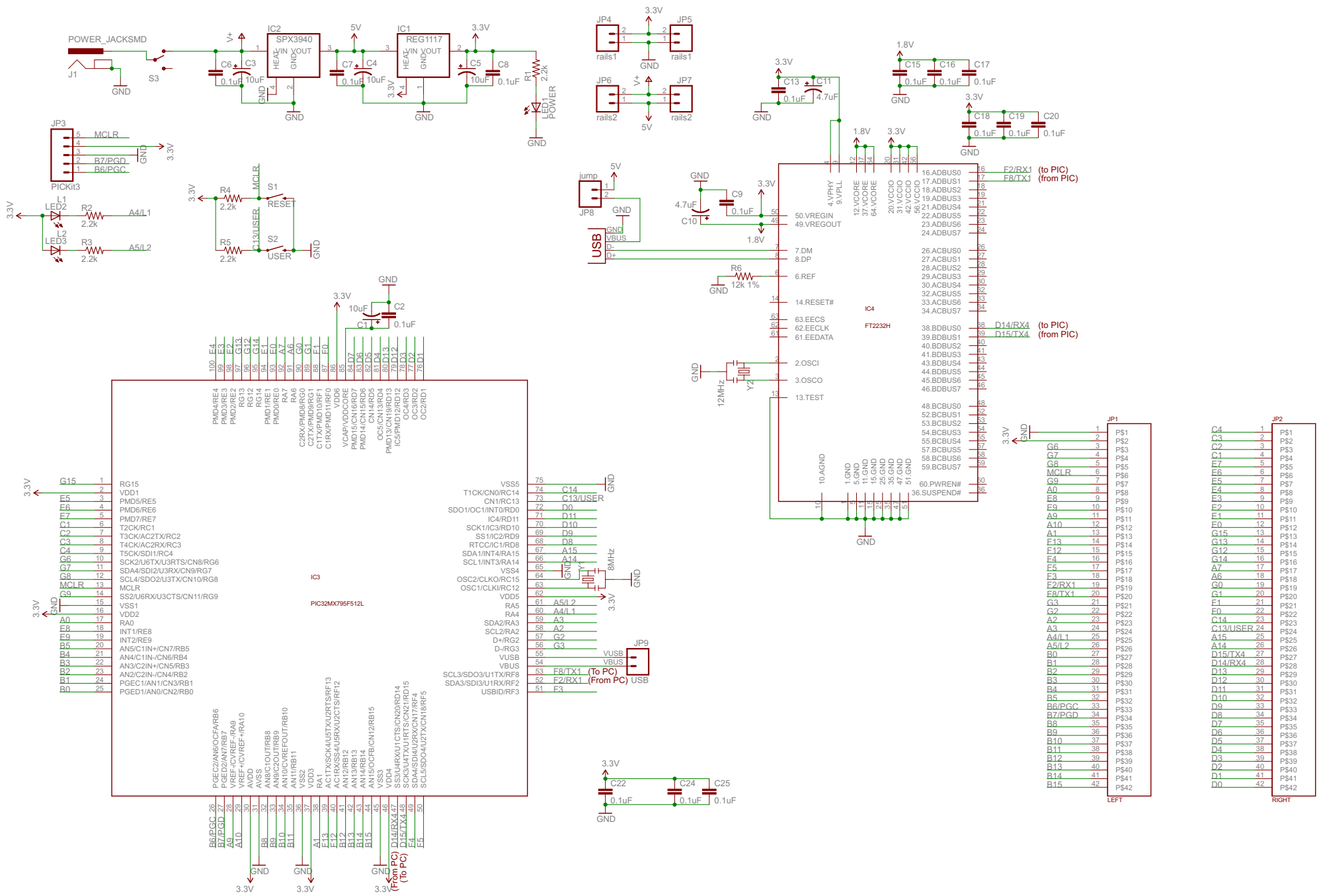
POWER_JACKSMD
J1
S3
GND
IC2
SPX3940
HEAT VIN VOUT GND
V+
C6 0.1uF
C3 10uF
5V
IC1
REG1117
C7 0.1uF
C4 10uF
3.3V
C5 10uF
C8 0.1uF
R1 2.2k
LED1 POWER
JP4
JP5
rails1
JP6
JP7
rails2
JP3
MCLR
R7/PGD
R6/PGC
PICKit3
L1 LED2
L2 LED3
R2 2.2k
R3 2.2k
A4/L1
A5/L2
R4 2.2k
R5 2.2k
S1 RESET
S2 USER
C13/USER
jump
JP8
USB
VBUS
D-
D+
C9 0.1uF
C10 4.7uF
R6 12k 1%
C13 0.1uF
C11 4.7uF
C15 0.1uF
C16 0.1uF
C17 0.1uF
C18 0.1uF
C19 0.1uF
C20 0.1uF
IC4
FT2233H
50.VREGIN
49.VREGOUT
7.DM
8.DP
6.REF
14.RESET#
63.EECS
62.EECLK
61.EEDATA
2.OSCI
3.OSCO
13.TEST
12MHz
Y2
F2/RX1 (to PIC)
F8/TX1 (from PIC)
D14/RX4 (to PIC)
D15/TX4 (from PIC)
C2 0.1uF
C1 10uF
IC3
PIC32MX795F512L
RG15
VDD1
PMD5/RE5
PMD6/RE6
PMD7/RE7
T2CK/RC1
T3CK/AC2TX/RC2
T4CK/AC2RX/RC3
T5CK/SDI1/RC4
SCK2/U6TX/U3RTS/CN8/RG6
SDA4/SDI2/U3RX/CN9/RG7
SCL4/SDO2/U3TX/CN10/RG8
MCLR
SS2/U6RX/U3CTS/CN11/RG9
VSS1
VDD2
RA0
INT1/RE8
INT2/RE9
AN5/C1IN+/CN7/RB5
AN4/C1IN-/CN6/RB4
AN3/C2IN+/CN5/RB3
AN2/C2IN-/CN4/RB2
PGEC1/AN1/CN3/RB1
PGED1/AN0/CN2/RB0
VSS5
T1CK/CN0/RC14
CN1/RC13
SDO1/OC1/INT0/RD0
IC4/RD11
SCK1/IC3/RD10
SS1/IC2/RD9
RTCC/IC1/RD8
SDA1/INT4/RA15
SCL1/INT3/RA14
VSS4
OSC2/CLKO/RC15
OSC1/CLKI/RC12
VDD5
RA5
RA4
SDA2/RA3
SCL2/RA2
D+/RG2
D-/RG3
VUSB
VBUS
SCL3/SDO3/U1TX/RF8
SDA3/SDI3/U1RX/RF2
USBID/RF3
Y1 8MHz
JP9
JP1
LEFT
JP2
RIGHT
C22 0.1uF
C24 0.1uF
C25 0.1uF