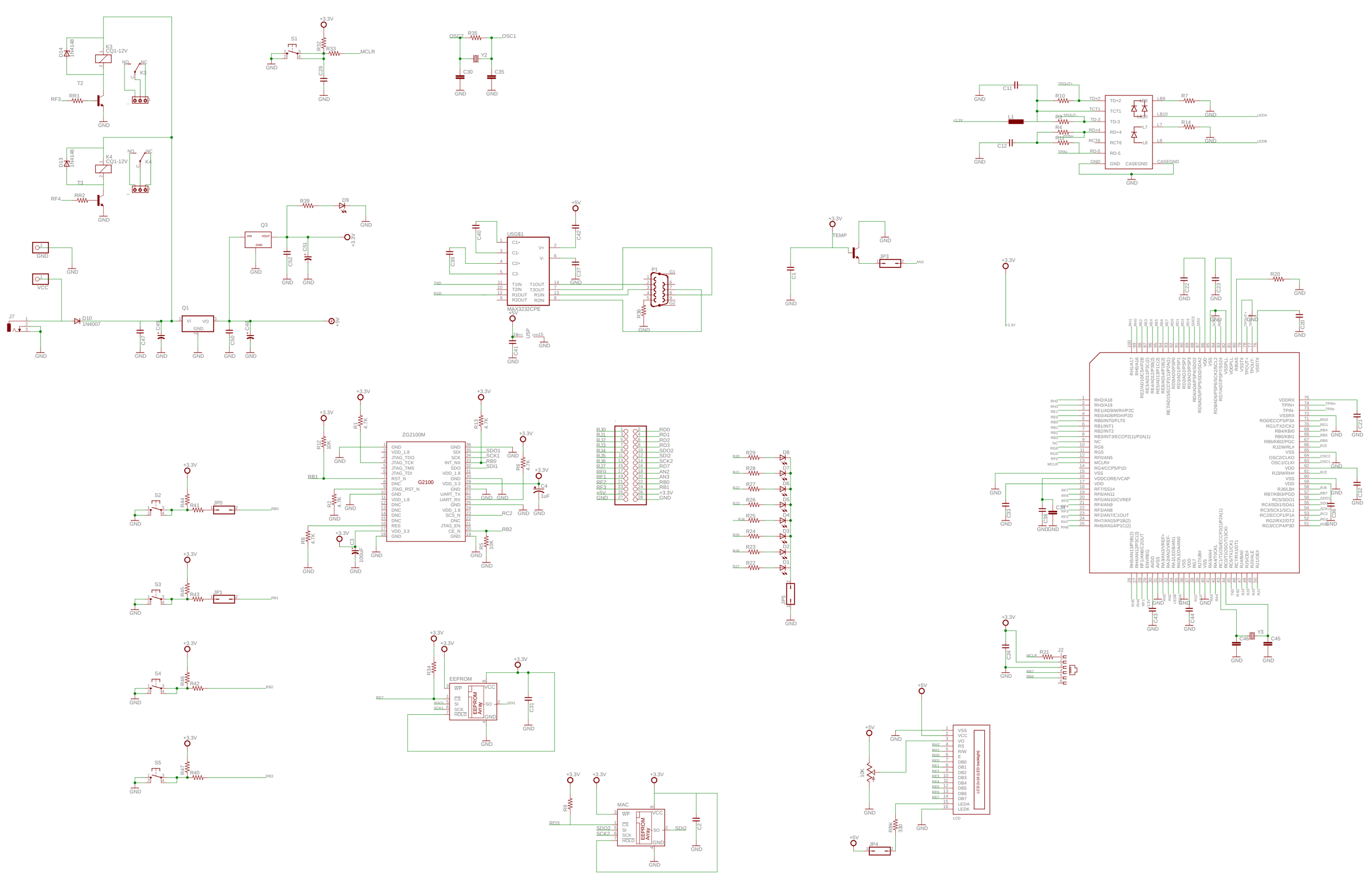
K3
CQ1-12V
K4
CQ1-12V
T2
T3
RF3
RF4
RR1
RR2
NO
NC
S1
MCLR
OSC2
OSC1
R35
Y2
C30
C35
C11
C12
L1
TPOUT+
TPOUT-
TPIN+
TPIN-
TD+2
TCT1
TD-3
RD+4
RCT6
RD-5
GND
CASEGND
LEDA
LEDB
R7
R14
R10
R3
R4
R11
Q3
R39
D9
VCC
J7
D10
1N4007
Q1
C47
C48
C50
C52
C51
U5GS1
MAX3232CPE
C40
C39
C42
C37
C41
TXD
RXD
P1
R36
TEMP
JP3
AN3
C1
C22
C23
R20
C20
C21
C32
C33
C38
C43
C44
C46
Y3
C45
C24
R21
J2
MCLR
RB7
RB6
ZG2100M
G2100
R1
4.7K
R12
10K
R13
4.7K
R6
4.7K
C4
1uF
R2
4.7K
R8
4.7K
C3
100uF
R5
10K
RB1
RB2
RC2
SDO1
SCK1
RB0
SDI1
S2
S3
S4
S5
R44
R41
JP0
R45
R43
JP1
R46
R42
R47
R40
RB0
RB1
RB2
RB3
EEPROM
MAC
RD7
RD3
SDI2
SDO2
SCK2
R34
R9
C31
C2
RJ0
RJ1
RJ2
RJ3
RD0
RD1
RD2
RD3
SDO2
SDI2
SCK2
RD7
AN2
AN3
RB0
RB1
+3.3V
GND
R30
R31
R32
R33
R34
R35
R36
D8
D7
D6
D5
D4
D3
D2
D1
JP5
RH2
RH3
RE1
RE0
RB0
RB1
RB2
RB3
NC
RG6
RG5
RF0
MCLR
RH2/A18
RH3/A19
RE1/AD9/WR#/P2C
RE0/AD8/RD#/P2D
RB0/INT0/FLT0
RB1/INT1
RB2/INT2
RB3/INT3/ECCP2(1)/P2A(1)
RG4/CCP5/P1D
RF7/SS1#
RF6/AN11
RF5/AN10/CVREF
RF4/AN9
RF3/AN8
RF2/AN7/C1OUT
RH7/AN15/P1B(2)
RH6/AN14/P1C(2)
VDDRX
TPIN+
TPIN-
VSSRX
RG0/ECCP3/P3A
RG1/TX2/CK2
RB4/KBI0
RB5/KBI1
RB6/KBI2/PGC
RJ2/WRL#
VSS
OSC2/CLKO
OSC1/CLKI
VDD
RJ3/WRH#
RJ6/LB#
RB7/KBI3/PGD
RC5/SDO1
RC4/SDI1/SDA1
RC3/SCK1/SCL1
RC2/ECCP1/P1A
RG2/RX2/DT2
RG3/CCP4/P3D
RH5/AN13/P3B(2)
RH4/AN12/P3C(2)
RP1/JA6/C2OUT
RP0/JA5
AVDD
AVSS
RA3/AN3/VREF+
RA2/AN2/VREF-
RA1/LEDB/AN1
RA0/LEDA/AN0
VSS
VDD
RG7
RJ7/LB#
VSS
RA5/AN4
RA4/AN5/SS
RC1/T1OSI/ECCP2(1)/P2A(1)
RC0/T1OSO/T13CKI
RC6/TX1/CK1
RC7/RX1/DT1
RB4/BA0
RB5/CE#
RB3/WAIT
RJ1/OE#
RJ0/ALE
RJ5/CE#
RJ4/BA0
RJ7/LB#
RJ6/UB#
RJ3/WR#
RJ2/RD#
RJ1/OE#
RJ0/ALE
VSS
VCC
VO
RS
R/W
E
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
LEDA
LEDK
LCD 2x16 (LED backlight)
LCD
10K
R8K
330
JP4