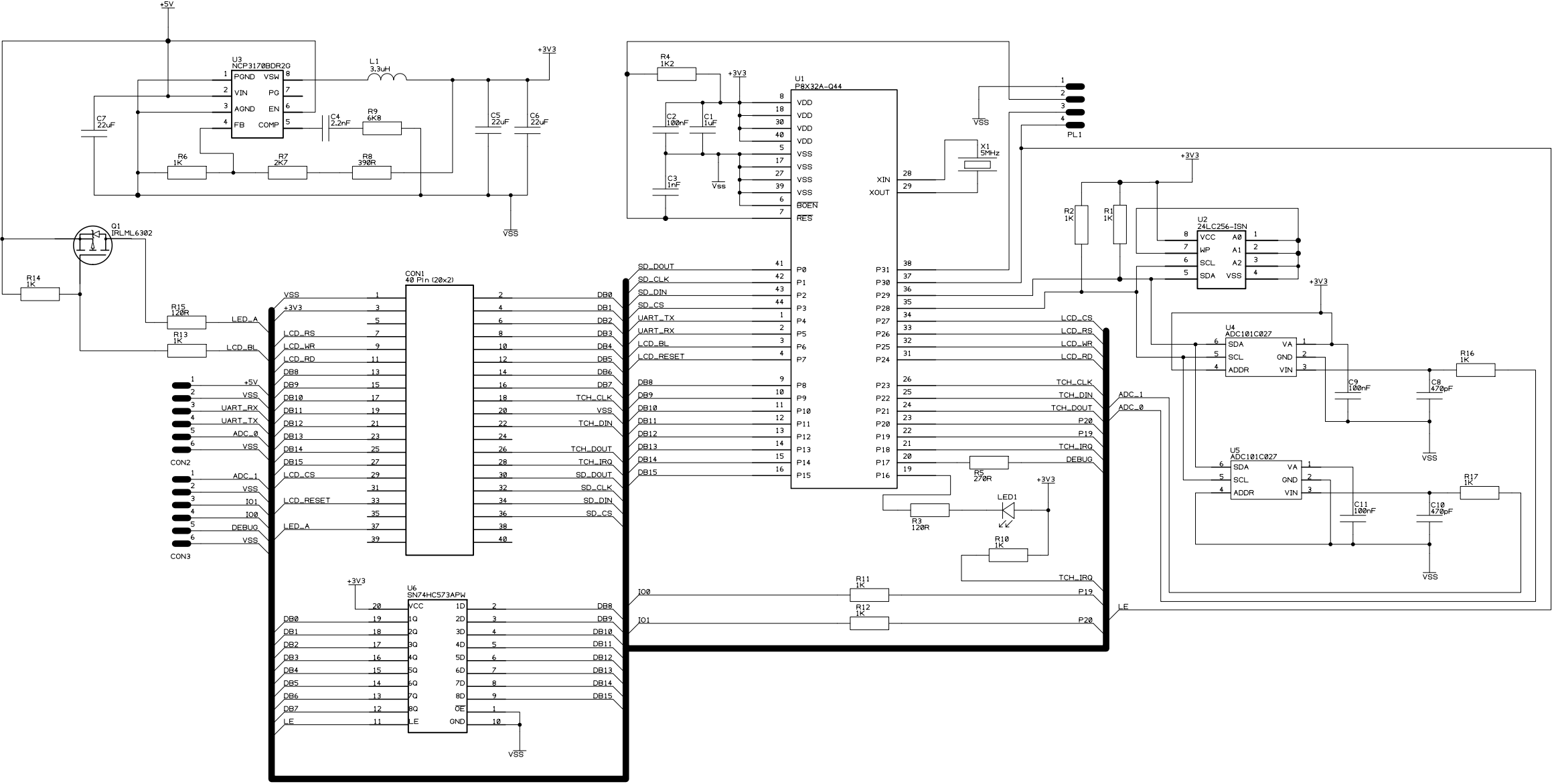
+5V
U3
NCP3170BDR2G
PGND
VSW
VIN
PG
AGND
EN
FB
COMP
L1
3.3uH
+3V3
C7
22uF
C4
2.2nF
R9
6K8
C5
22uF
C6
22uF
R6
1K
R7
2K7
R8
390R
VSS
Q1
IRLML6302
R14
1K
R15
120R
R13
1K
LED_A
LED_BL
CON1
40 Pin (20x2)
VSS
+3V3
LCD_RS
LCD_WR
LCD_RD
DB8
DB9
DB10
DB11
DB12
DB13
DB14
DB15
LCD_CS
LCD_RESET
LED_A
DB0
DB1
DB2
DB3
DB4
DB5
DB6
DB7
TCH_CLK
TCH_DIN
TCH_DOUT
TCH_IRQ
SD_DOUT
SD_CLK
SD_DIN
SD_CS
+5V
VSS
UART_RX
UART_TX
ADC_0
CON2
ADC_1
VSS
IO1
IO0
DEBUG
VSS
CON3
U6
SN74HC573APW
VCC
1D
1Q
2D
2Q
3D
3Q
4D
4Q
5D
5Q
6D
6Q
7D
7Q
8D
8Q
OE
LE
GND
LE
VSS
R4
1K2
+3V3
C2
100nF
C1
1uF
C3
1nF
Vss
U1
P8X32A-Q44
VDD
VSS
BOEN
RES
XIN
XOUT
P0
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
P24
P25
P26
P27
P28
P29
P30
P31
X1
5MHz
PL1
R2
1K
R1
1K
U2
24LC256-ISN
VCC
WP
SCL
SDA
A0
A1
A2
VSS
U4
ADC101C027
SDA
SCL
ADDR
VA
GND
VIN
C9
100nF
C8
470pF
R16
1K
U5
ADC101C027
C11
100nF
C10
470pF
R17
1K
R5
270R
R3
120R
LED1
R10
1K
R11
1K
R12
1K
ADC_1
ADC_0
LE