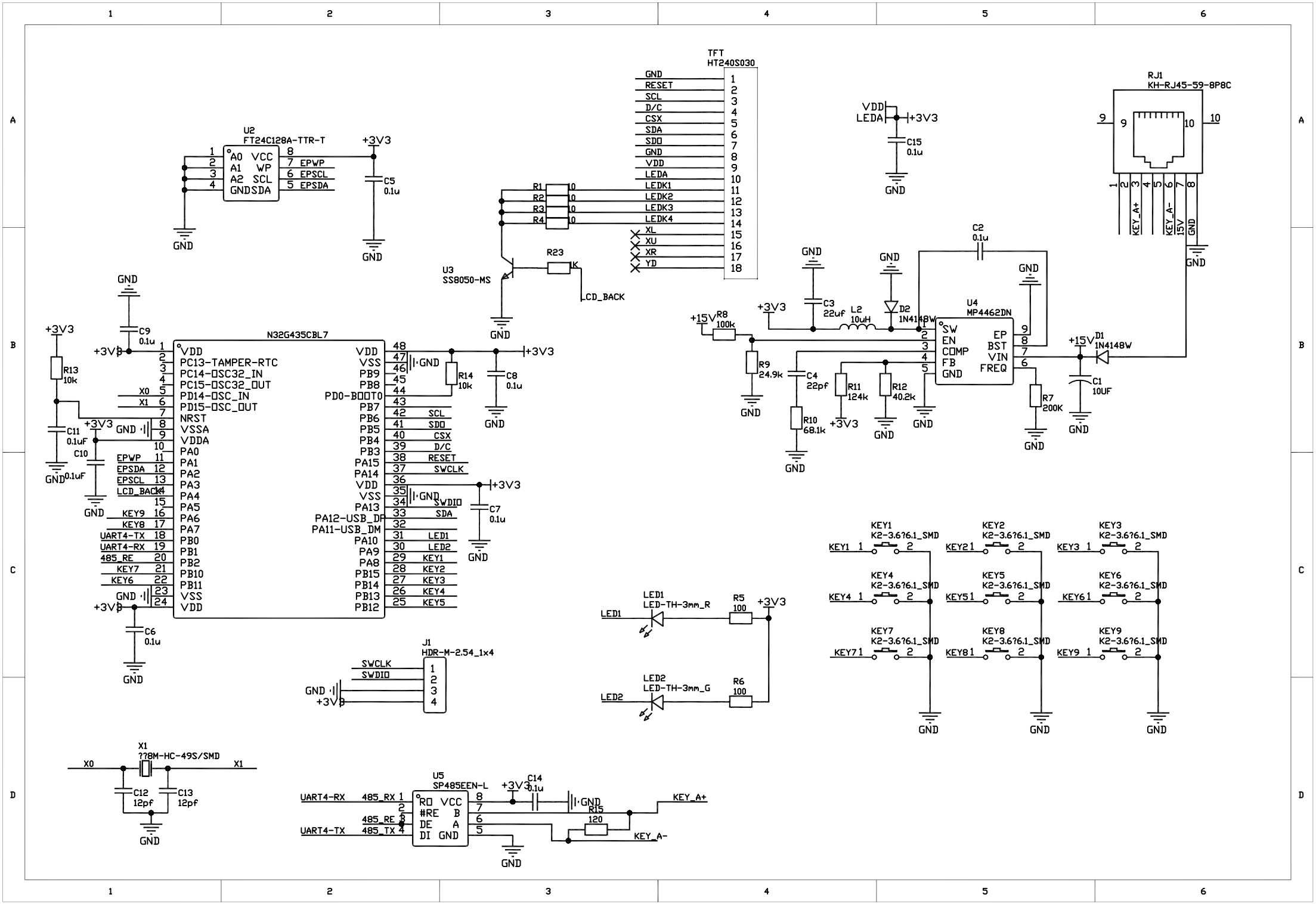
U2
FT24C128A-TTR-T
A0 VCC
A1 WP
A2 SCL
GND SDA
EPWP
EPSCL
EPSDA
+3V3
C5
0.1u
GND
TFT
HT240S030
GND
RESET
SCL
D/C
CSX
SDA
SDO
GND
VDD
LEDA
LEDK1
LEDK2
LEDK3
LEDK4
XL
XU
XR
YD
R1
R2
R3
R4
10
R23
1K
LCD_BACK
U3
SS8050-MS
VDD
LEDA
+3V3
C15
0.1u
RJ1
KH-RJ45-59-8P8C
KEY_A+
KEY_A-
15V
GND
C2
0.1u
C3
22uf
L2
10uH
D2
1N4148W
U4
MP4462DN
SW
EN
COMP
FB
GND
EP
BST
VIN
FREQ
+15V
R8
100k
R9
24.9k
C4
22pf
R10
68.1k
R11
124k
R12
40.2k
R7
200K
D1
1N4148W
C1
10UF
N32G435CBL7
VDD
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD14-OSC_IN
PD15-OSC_OUT
NRST
VSSA
VDDA
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB10
PB11
VSS
VDD
PD0-BOOT0
PB7
PB6
PB5
PB4
PB3
PA15
PA14
PA13
PA12-USB_DP
PA11-USB_DM
PA10
PA9
PA8
PB15
PB14
PB13
PB12
SCL
SDO
CSX
D/C
RESET
SWCLK
SWDIO
SDA
LED1
LED2
KEY1
KEY2
KEY3
KEY4
KEY5
R13
10k
R14
10k
C9
0.1u
C11
0.1uF
C10
0.1uF
C8
0.1u
C7
0.1u
C6
0.1u
X0
X1
KEY9
KEY8
UART4-TX
UART4-RX
485_RE
KEY7
KEY6
J1
HDR-M-2.54_1x4
SWCLK
SWDIO
LED1
LED-TH-3mm_R
R5
100
LED2
LED-TH-3mm_G
R6
100
KEY1
K2-3.676.1_SMD
KEY2
K2-3.676.1_SMD
KEY3
K2-3.676.1_SMD
KEY4
K2-3.676.1_SMD
KEY5
K2-3.676.1_SMD
KEY6
K2-3.676.1_SMD
KEY7
K2-3.676.1_SMD
KEY8
K2-3.676.1_SMD
KEY9
K2-3.676.1_SMD
X1
??8M-HC-49S/SMD
C12
12pf
C13
12pf
U5
SP485EEN-L
RO VCC
#RE B
DE A
DI GND
485_RX
485_TX
C14
0.1u
R15
120
KEY_A+
KEY_A-
GND