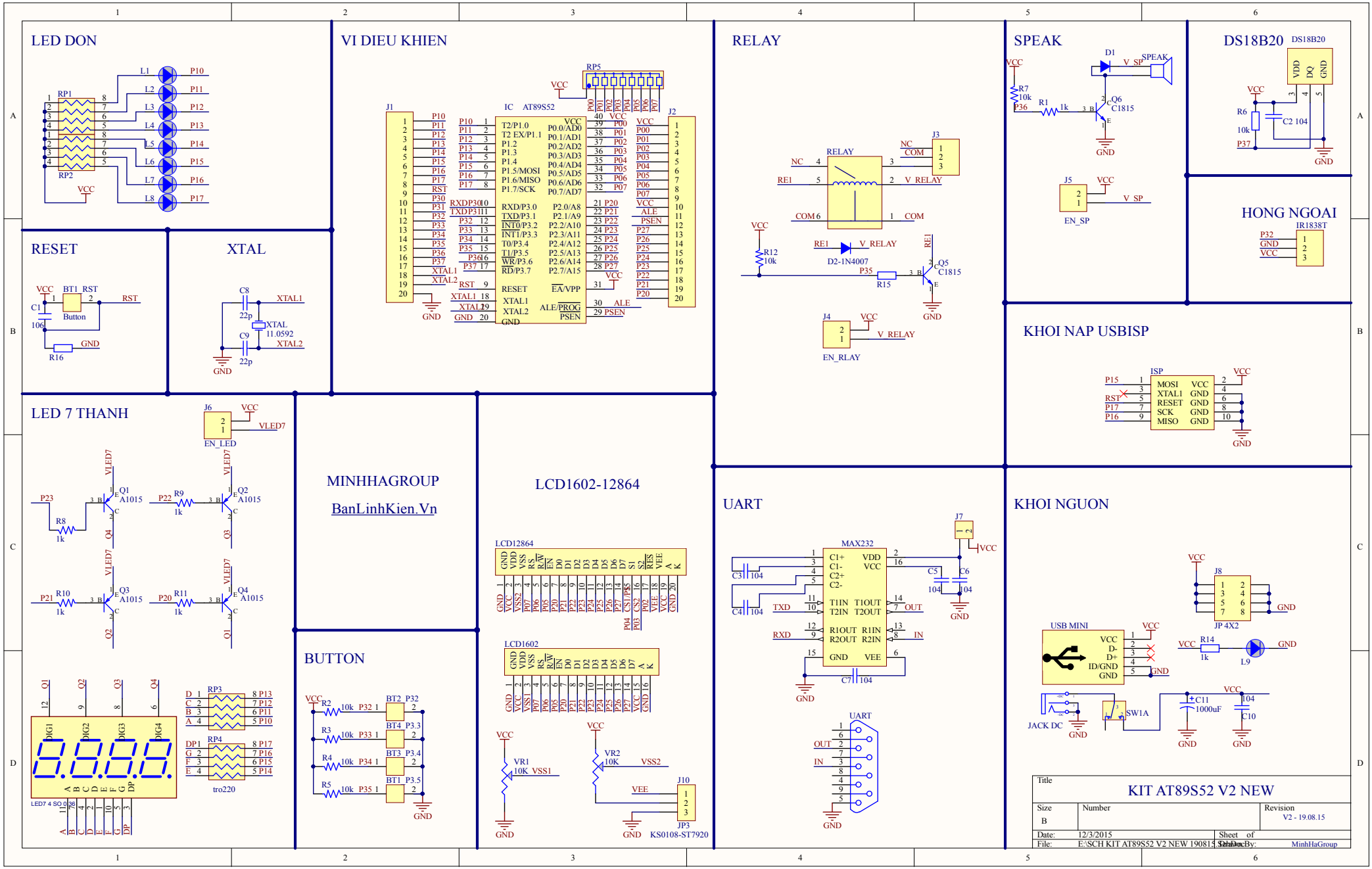
LED DON
RP1
RP2
L1 L2 L3 L4 L5 L6 L7 L8
P10 P11 P12 P13 P14 P15 P16 P17
VCC
RESET
VCC BT1 RST
Button
C1 106
RST
R16
GND
XTAL
C8 22p
C9 22p
XTAL1
XTAL 11.0592
XTAL2
GND
VI DIEU KHIEN
J1
IC AT89S52
RP5
J2
T2/P1.0
T2 EX/P1.1
P1.2
P1.3
P1.4
P1.5/MOSI
P1.6/MISO
P1.7/SCK
RXD/P3.0
TXD/P3.1
INT0/P3.2
INT1/P3.3
T0/P3.4
T1/P3.5
WR/P3.6
RD/P3.7
RESET
XTAL1
XTAL2
GND
P0.0/AD0
P0.1/AD1
P0.2/AD2
P0.3/AD3
P0.4/AD4
P0.5/AD5
P0.6/AD6
P0.7/AD7
P2.0/A8
P2.1/A9
P2.2/A10
P2.3/A11
P2.4/A12
P2.5/A13
P2.6/A14
P2.7/A15
EA/VPP
ALE/PROG
PSEN
RELAY
RELAY
NC COM
RE1 V_RELAY
COM
J3
R12 10k
D2-1N4007
P35 R15
Q5 C1815
J4
EN_RLAY
SPEAK
D1
V_SP
SPEAK
R7 10k
P36 R1 1k
Q6 C1815
J5
EN_SP
DS18B20
DS18B20
VDD DQ GND
R6 10k
C2 104
P37
HONG NGOAI
IR1838T
P32
GND
VCC
KHOI NAP USBISP
ISP
MOSI VCC
XTAL1 GND
RESET GND
SCK GND
MISO GND
P15
RST
P17
P16
LED 7 THANH
J6
EN_LED
VLED7
Q1 A1015
Q2 A1015
Q3 A1015
Q4 A1015
P23 R8 1k
P22 R9 1k
P21 R10 1k
P20 R11 1k
RP3
RP4
tro220
LED7 4 SO 0.36
MINHHAGROUP
BanLinhKien.Vn
BUTTON
R2 10k P32
R3 10k P33
R4 10k P34
R5 10k P35
BT2 P32
BT4 P3.3
BT3 P3.4
BT1 P3.5
LCD1602-12864
LCD12864
LCD1602
VR1 10K VSS1
VR2 10K VSS2
VEE
J10
JP3
KS0108-ST7920
UART
MAX232
C1+ VDD
C1- VCC
C2+
C2-
T1IN T1OUT
T2IN T2OUT
R1OUT R1IN
R2OUT R2IN
GND VEE
TXD
RXD
OUT
IN
J7
C3 104
C4 104
C5 104
C6 104
C7 104
UART
KHOI NGUON
USB MINI
VCC
D-
D+
ID/GND
GND
JACK DC
SW1A
C11 1000uF
C10 104
J8
JP 4X2
R14 1k
L9
Title
KIT AT89S52 V2 NEW
Size B
Number
Revision V2 - 19.08.15
Date: 12/3/2015
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File: E:\SCH KIT AT89S52 V2 NEW 190815.SchDoc
Drawn By: MinhHaGroup