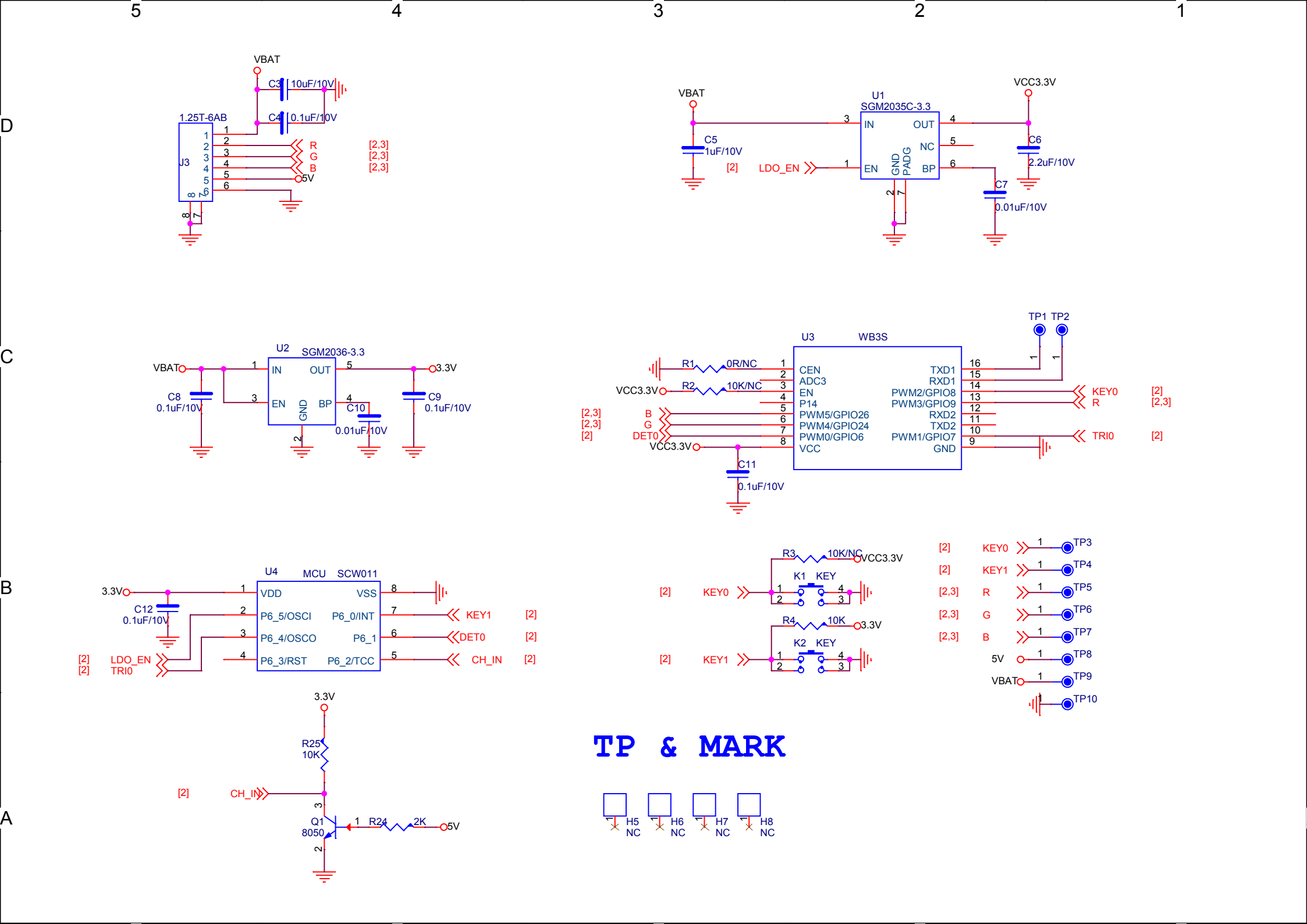
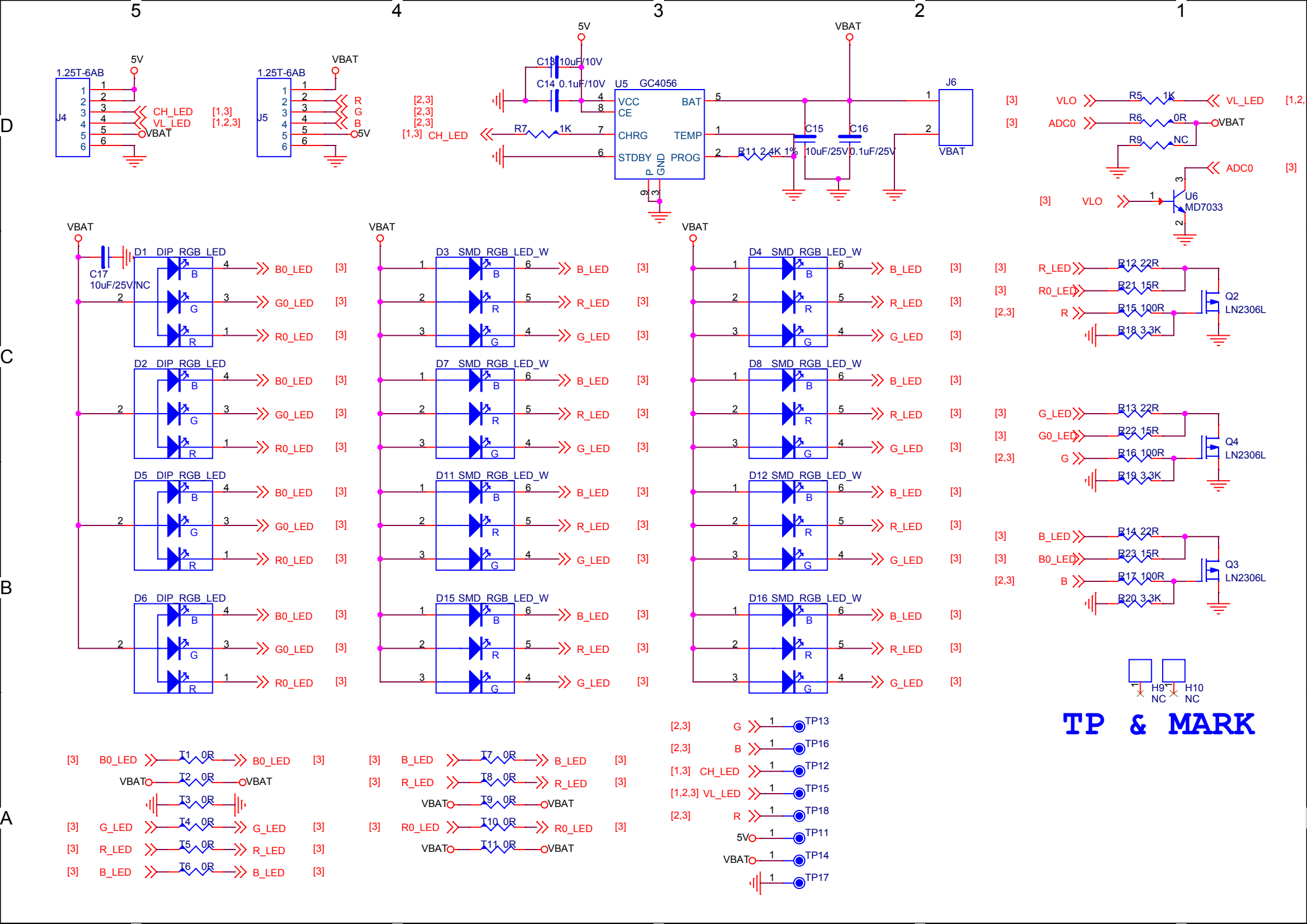
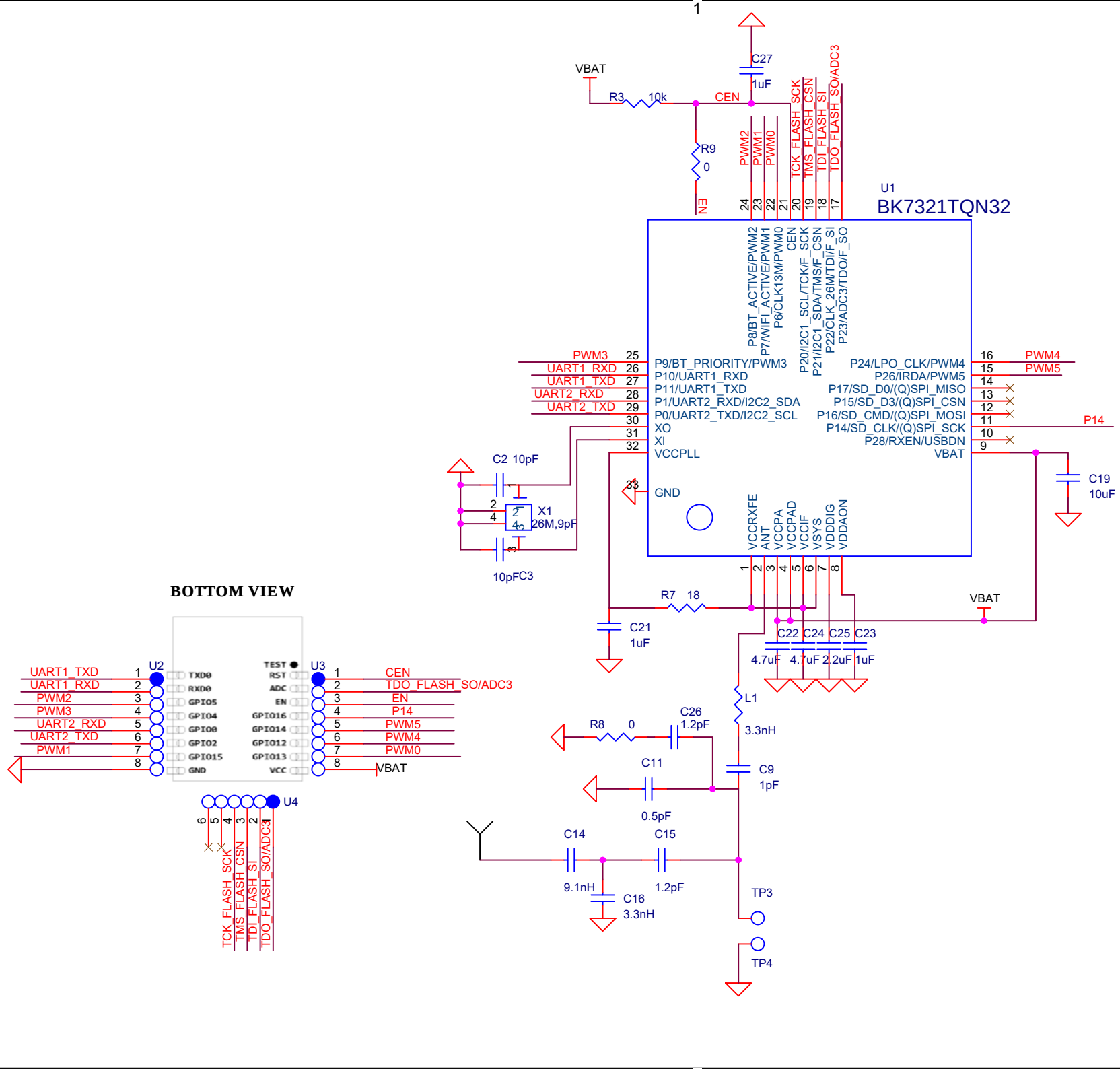
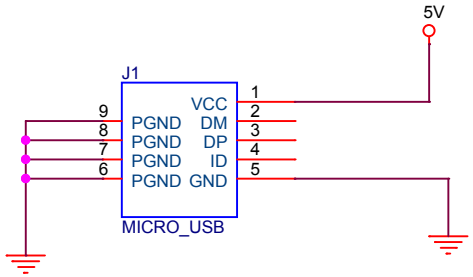
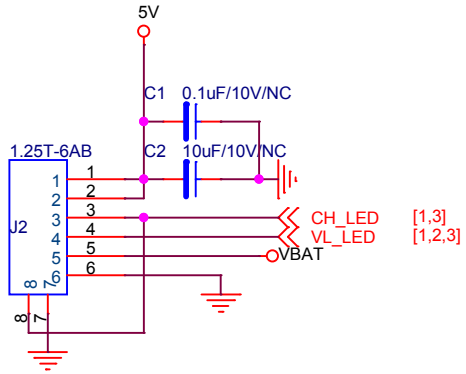
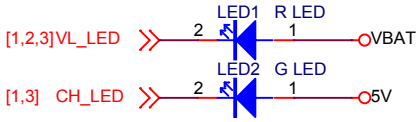

5
4
3
2
1
D
C
B
A
VBAT
C3 10uF/10V
C4 0.1uF/10V
1.25T-6AB
J3
R
G
B
5V
[2,3]
[2,3]
[2,3]
VBAT
U1
SGM2035C-3.3
IN
OUT
EN
GND
PADG
BP
NC
C5
1uF/10V
[2]
LDO_EN
C6
2.2uF/10V
C7
0.01uF/10V
VCC3.3V
U2
SGM2036-3.3
VBAT
C8
0.1uF/10V
C10
0.01uF/10V
C9
0.1uF/10V
3.3V
U3
WB3S
R1 0R/NC
R2 10K/NC
VCC3.3V
B
G
DET0
CEN
ADC3
EN
P14
PWM5/GPIO26
PWM4/GPIO24
PWM0/GPIO6
VCC
TXD1
RXD1
PWM2/GPIO8
PWM3/GPIO9
RXD2
TXD2
PWM1/GPIO7
GND
C11
0.1uF/10V
TP1
TP2
KEY0
R
TRI0
[2,3]
[2,3]
[2]
[2]
[2]
[2,3]
U4
MCU
SCW011
3.3V
C12
0.1uF/10V
VDD
VSS
P6_5/OSCI
P6_0/INT
P6_4/OSCO
P6_1
P6_3/RST
P6_2/TCC
KEY1
DET0
CH_IN
[2]
LDO_EN
TRI0
R3 10K/NC
K1 KEY
R4 10K
K2 KEY
KEY0
KEY1
TP3
TP4
TP5
TP6
TP7
TP8
TP9
TP10
R25
10K
CH_IN
Q1
8050
R24 2K
5V
TP & MARK
H5
NC
H6
NC
H7
NC
H8
NC


5
4
3
2
1
D
C
B
A
1.25T-6AB
J4
CH_LED
VL_LED
VBAT
5V
J5
R
G
B
C13 10uF/10V
C14 0.1uF/10V
U5 GC4056
VCC
CE
CHRG
STDBY
TEMP
PROG
BAT
GND
R7 1K
C15 10uF/25V
C16 0.1uF/25V
R11 2.4K 1%
J6
C17 10uF/25V/NC
D1 DIP_RGB_LED
D2 DIP_RGB_LED
D5 DIP_RGB_LED
D6 DIP_RGB_LED
D3 SMD_RGB_LED_W
D7 SMD_RGB_LED_W
D11 SMD_RGB_LED_W
D15 SMD_RGB_LED_W
D4 SMD_RGB_LED_W
D8 SMD_RGB_LED_W
D12 SMD_RGB_LED_W
D16 SMD_RGB_LED_W
B0_LED
G0_LED
R0_LED
B_LED
R_LED
G_LED
VLO
ADC0
R5 1K
R6 0R
R9 NC
U6 MD7033
R_LED
R0_LED
R
R12 22R
R21 15R
R15 100R
R18 3.3K
Q2 LN2306L
G_LED
G0_LED
G
R13 22R
R22 15R
R16 100R
R19 3.3K
Q4 LN2306L
B_LED
B0_LED
B
R14 22R
R23 15R
R17 100R
R20 3.3K
Q3 LN2306L
T1 0R
T2 0R
T3 0R
T4 0R
T5 0R
T6 0R
T7 0R
T8 0R
T9 0R
T10 0R
T11 0R
TP13
TP16
TP12
TP15
TP18
TP11
TP14
TP17
H9 NC
H10 NC
TP & MARK

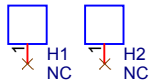

1
A
VBAT
R3 10k
CEN
C27
1uF
R9
0
EN
PWM2
PWM1
PWM0
TCK_FLASH_SCK
TMS_FLASH_CSN
TDI_FLASH_SI
TDO_FLASH_SO/ADC3
U1
BK7321TQN32
P8/BT_ACTIVE/PWM2
P7/WIFI_ACTIVE/PWM1
P6/CLK13M/PWM0
CEN
P20/I2C1_SCL/TCK/F_SCK
P21/I2C1_SDA/TMS/F_CSN
P22/CLK_26M/TDI/F_SI
P23/ADC3/TDO/F_SO
PWM3 25 P9/BT_PRIORITY/PWM3
UART1_RXD 26 P10/UART1_RXD
UART1_TXD 27 P11/UART1_TXD
UART2_RXD 28 P1/UART2_RXD/I2C2_SDA
UART2_TXD 29 P0/UART2_TXD/I2C2_SCL
30 XO
31 XI
32 VCCPLL
33 GND
16 PWM4 P24/LPO_CLK/PWM4
15 PWM5 P26/IRDA/PWM5
14 P17/SD_D0/(Q)SPI_MISO
13 P15/SD_D3/(Q)SPI_CSN
12 P16/SD_CMD/(Q)SPI_MOSI
11 P14 P14/SD_CLK/(Q)SPI_SCK
10 P28/RXEN/USBDN
9 VBAT
VCCRXFE
ANT
VCCPA
VCCPAD
VCCIF
VSYS
VDDDIG
VDDAON
1 2 3 4 5 6 7 8
C2 10pF
X1
26M,9pF
10pF C3
C19
10uF
R7 18
C21
1uF
VBAT
C22 4.7uF
C24 4.7uF
C25 2.2uF
C23 1uF
L1
3.3nH
R8 0
C26
1.2pF
C11
0.5pF
C9
1pF
C14
9.1nH
C15
1.2pF
C16
3.3nH
TP3
TP4
BOTTOM VIEW
U2
UART1_TXD 1 TXD0
UART1_RXD 2 RXD0
PWM2 3 GPIO5
PWM3 4 GPIO4
UART2_RXD 5 GPIO0
UART2_TXD 6 GPIO2
PWM1 7 GPIO15
8 GND
U3
TEST
RST
ADC
EN
GPIO16
GPIO14
GPIO12
GPIO13
VCC
1 CEN
2 TDO_FLASH_SO/ADC3
3 EN
4 P14
5 PWM5
6 PWM4
7 PWM0
8 VBAT
U4
6 5 4 3 2 1
TCK_FLASH_SCK
TMS_FLASH_CSN
TDI_FLASH_SI
TDO_FLASH_SO/ADC3


5V
J1
VCC
PGND DM
PGND DP
PGND ID
PGND GND
1
2
3
4
5
9
8
7
6
MICRO_USB


5V
C1 0.1uF/10V/NC
C2 10uF/10V/NC
1.25T-6AB
J2
CH_LED
VL_LED
VBAT
[1,3]
[1,2,3]


[1,2,3]VL_LED
LED1 R LED
VBAT
[1,3] CH_LED
LED2 G LED
5V

TP & MARK


H1
NC
H2
NC