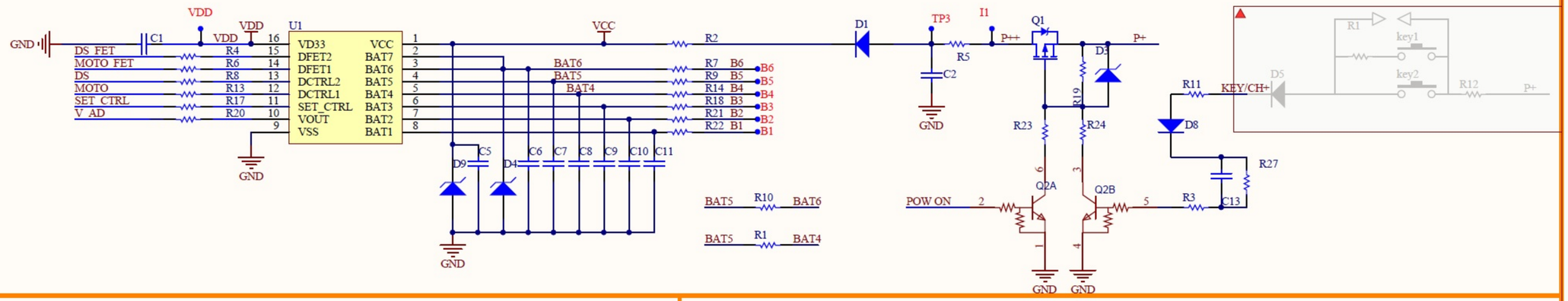
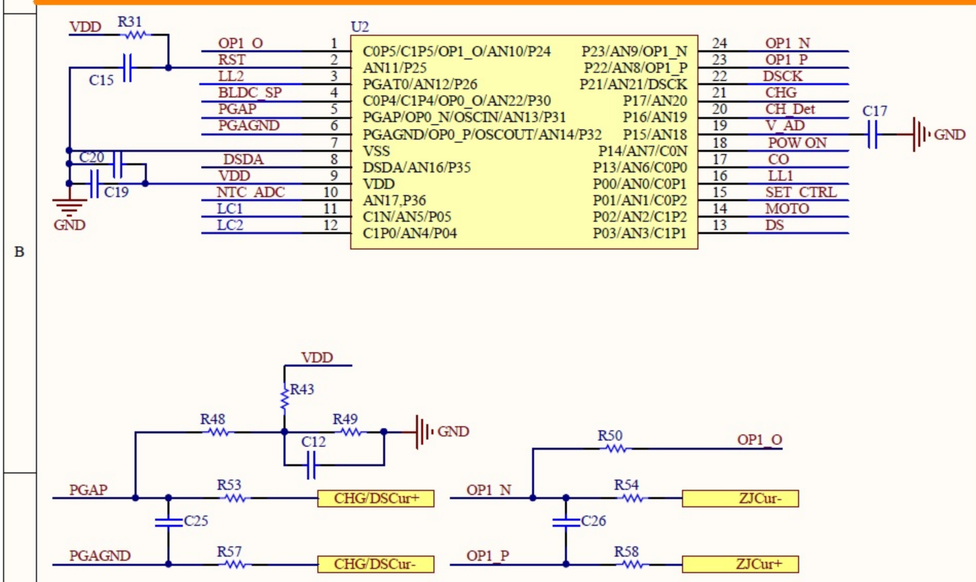
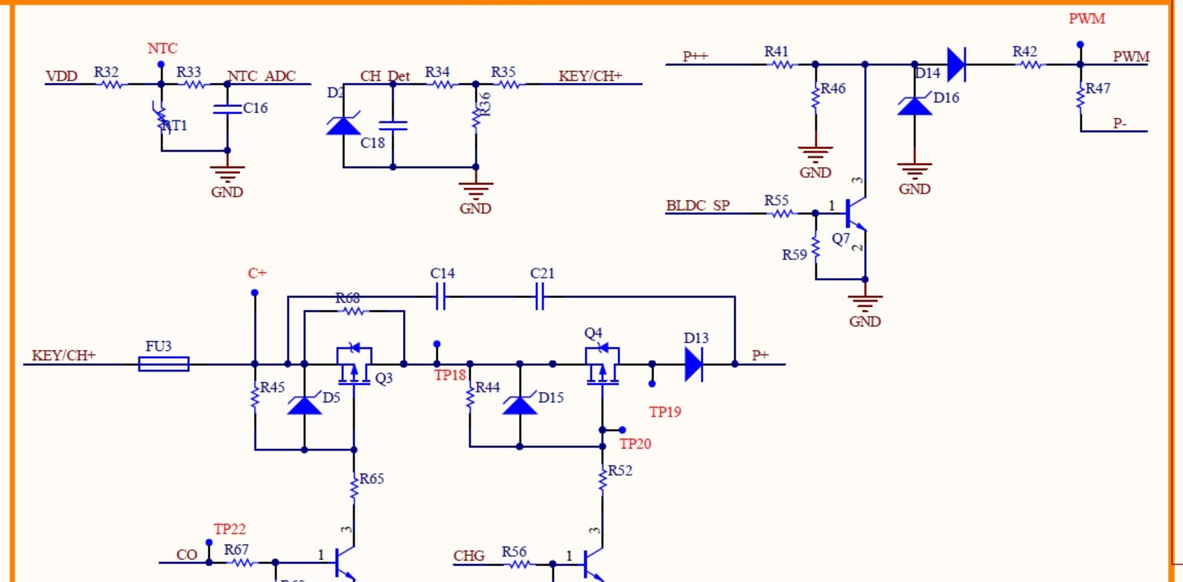
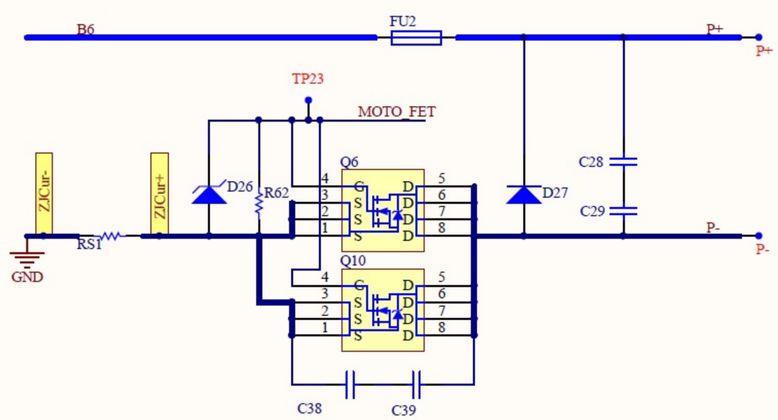
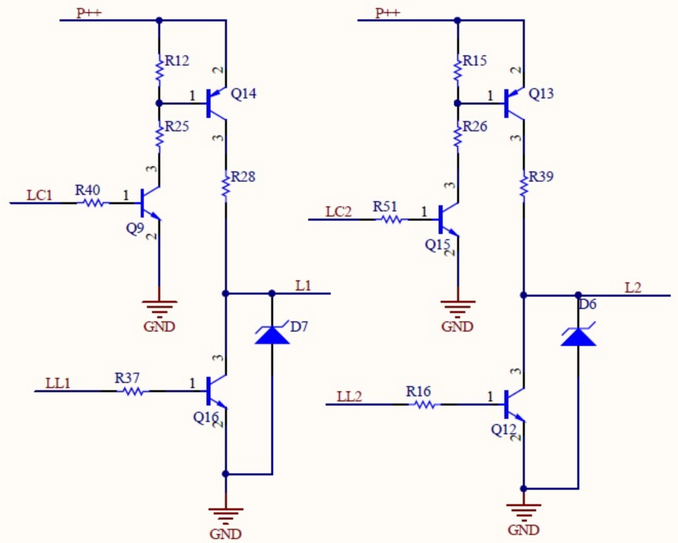

VDD
GND
C1
U1
VDD
VDD
VD33
DFET2
DFET1
DCTRL2
DCTRL1
SET_CTRL
VOUT
VSS
VCC
BAT7
BAT6
BAT5
BAT4
BAT3
BAT2
BAT1
DS_FET
MOTO_FET
DS
MOTO
SET_CTRL
V_AD
R4
R6
R8
R13
R17
R20
R2
D1
TP3
I1
Q1
R5
C2
P++
P+
D3
R19
R23
R24
Q2A
Q2B
POW ON
R11
KEY/CH+
D8
R27
R3
C13
R10
R1
BAT6
BAT5
BAT4
D9
D4
C5
C6
C7
C8
C9
C10
C11
R7
R9
R14
R18
R21
R22
B6
B5
B4
B3
B2
B1
D5
R12
key1
key2
R16
R66
C3
C4
LED1
LED2
LED3
L1
L2
R29
R30
Q6
C-

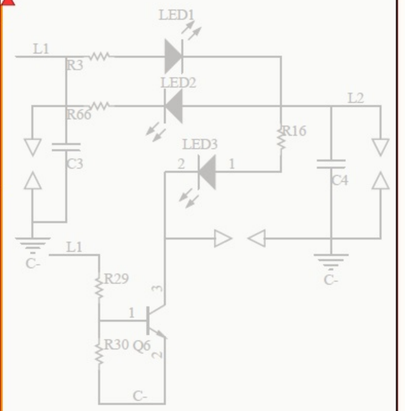

VDD
R31
C15
U2
OP1_O
RST
LL2
BLDC_SP
PGAP
PGAGND
DSDA
VDD
NTC_ADC
LC1
LC2
C0P5/C1P5/OP1_O/AN10/P24
AN11/P25
PGAT0/AN12/P26
C0P4/C1P4/OP0_O/AN22/P30
PGAP/OP0_N/OSCIN/AN13/P31
PGAGND/OP0_P/OSCOUT/AN14/P32
VSS
DSDA/AN16/P35
VDD
AN17,P36
C1N/AN5/P05
C1P0/AN4/P04
P23/AN9/OP1_N
P22/AN8/OP1_P
P21/AN21/DSCK
P17/AN20
P16/AN19
P15/AN18
P14/AN7/C0N
P13/AN6/C0P0
P00/AN0/C0P1
P01/AN1/C0P2
P02/AN2/C1P2
P03/AN3/C1P1
OP1_N
OP1_P
DSCK
CHG
CH_Det
V_AD
POW ON
CO
LL1
SET_CTRL
MOTO
DS
C17
C20
C19
GND


NTC
VDD
R32
R33
NTC_ADC
RT1
C16
CH_Det
D2
C18
R34
R35
KEY/CH+
R36
PWM
P++
R41
R46
D14
D16
R42
R47
P-
BLDC_SP
R55
Q7
R59
C+
R68
C14
C21
KEY/CH+
FU3
Q3
Q4
D13
P+
R45
D5
TP18
R44
D15
TP19
TP20
R65
R52
TP22
CO
R67
R60
Q5
CHG
R56
R61
Q8

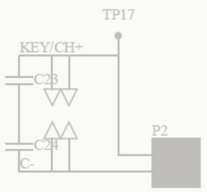
VDD
R43
R48
R49
C12
PGAP
R53
CHG/DSCur+
C25
PGAGND
R57
CHG/DSCur-
R50
OP1_O
OP1_N
R54
ZJCur-
C26
OP1_P
R58
ZJCur+

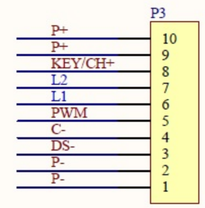

B6
FU2
P+
TP23
MOTO_FET
ZJCur-
ZJCur+
D26
R62
Q6
Q10
D27
C28
C29
P-
RS1
GND
C38
C39
TP24
DS_FET
CHG/DSCur-
CHG/DSCur+
D29
R78
Q11
C40
D32
DS-
RS2
C-
C41
C42

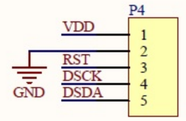

P++
R12
Q14
R25
R28
LC1
R40
Q9
L1
D7
LL1
R37
Q16
R15
Q13
R26
R39
LC2
R51
Q15
L2
D6
LL2
R16
Q12
GND


LED1
LED2
LED3
L1
L2
R1
key1
key2
R12
R16
R66
C3
C4
R29
R30
Q6
C-

P1
LC1
LC2
C-
KEY/CH+
P+


TP17
KEY/CH+
C23
C24
C-
P2


P3
P+
P+
KEY/CH+
L2
L1
PWM
C-
DS-
P-
P-


P4
VDD
RST
DSCK
DSDA
GND