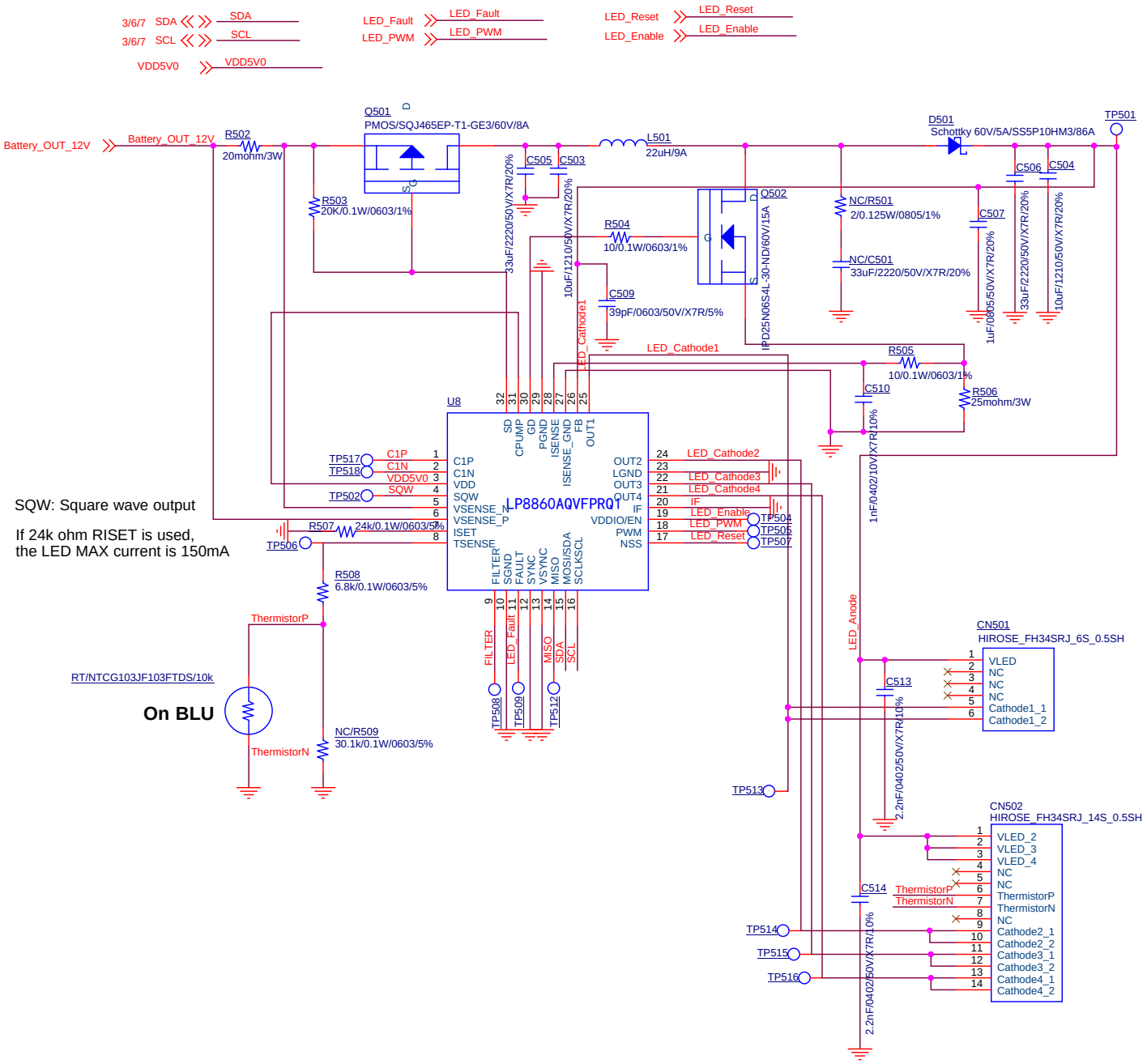
3/6/7 SDA
3/6/7 SCL
SDA
SCL
VDD5V0
LED_Fault
LED_PWM
LED_Reset
LED_Enable
Battery_OUT_12V
R502
20mohm/3W
Q501
PMOS/SQJ465EP-T1-GE3/60V/8A
R503
20K/0.1W/0603/1%
C505
C503
33uF/2220/50V/X7R/20%
10uF/1210/50V/X7R/20%
L501
22uH/9A
R504
10/0.1W/0603/1%
C509
39pF/0603/50V/X7R/5%
Q502
IPD25N06S4L-30-ND/60V/15A
NC/R501
2/0.125W/0805/1%
NC/C501
33uF/2220/50V/X7R/20%
D501
Schottky 60V/5A/SS5P10HM3/86A
TP501
C506
C504
C507
1uF/0805/50V/X7R/20%
33uF/2220/50V/X7R/20%
10uF/1210/50V/X7R/20%
LED_Cathode1
R505
10/0.1W/0603/1%
C510
R506
25mohm/3W
1nF/0402/10V/X7R/10%
U8
LP8860AQVFPRQT
SD
CPUMP
GD
PGND
ISENSE
ISENSE_GND
FB
OUT1
C1P
C1N
VDD
SQW
VSENSE_N
VSENSE_P
ISET
TSENSE
OUT2
LGND
OUT3
OUT4
IF
VDDIO/EN
PWM
NSS
FILTER
SGND
FAULT
SYNC
VSYNC
MISO
MOSI/SDA
SCLKSCL
LED_Cathode2
LED_Cathode3
LED_Cathode4
LED_Enable
LED_PWM
LED_Reset
TP517
TP518
TP502
TP506
TP504
TP505
TP507
TP508
TP509
TP512
TP513
TP514
TP515
TP516
SQW: Square wave output
If 24k ohm RISET is used,
the LED MAX current is 150mA
R507
24k/0.1W/0603/5%
R508
6.8k/0.1W/0603/5%
ThermistorP
ThermistorN
RT/NTCG103JF103FTDS/10k
On BLU
NC/R509
30.1k/0.1W/0603/5%
LED_Anode
CN501
HIROSE_FH34SRJ_6S_0.5SH
VLED
NC
Cathode1_1
Cathode1_2
C513
2.2nF/0402/50V/X7R/10%
CN502
HIROSE_FH34SRJ_14S_0.5SH
VLED_2
VLED_3
VLED_4
ThermistorP
ThermistorN
Cathode2_1
Cathode2_2
Cathode3_1
Cathode3_2
Cathode4_1
Cathode4_2
C514