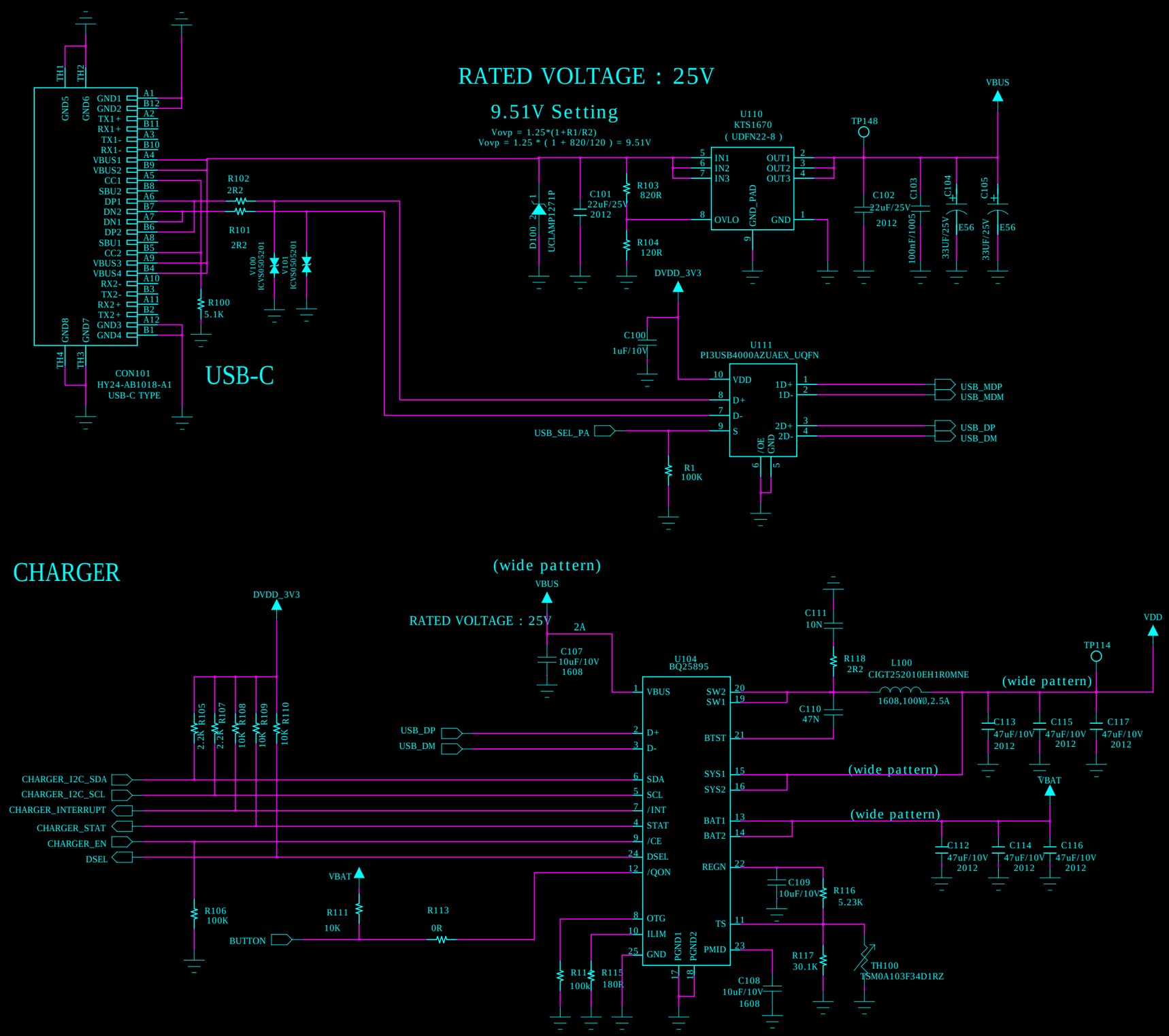
RATED VOLTAGE : 25V
9.51V Setting
Vovp = 1.25*(1+R1/R2)
Vovp = 1.25 * (1 + 820/120) = 9.51V
U110
KTS1670
(UDFN22-8)
IN1
IN2
IN3
OUT1
OUT2
OUT3
OVLO
GND_PAD
GND
VBUS
TP148
R102
2R2
R101
2R2
R100
5.1K
V100
ICVS0505201
V101
ICVS0505201
D100_2
UCLAMP1271P
C101
22uF/25V
2012
R103
820R
R104
120R
C102
22uF/25V
2012
C103
100nF/1005
C104
33UF/25V
E56
C105
33UF/25V
E56
DVDD_3V3
C100
1uF/10V
U111
PI3USB4000AZUAEX_UQFN
VDD
D+
D-
S
1D+
1D-
2D+
2D-
/OE
GND
USB_MDP
USB_MDM
USB_DP
USB_DM
USB_SEL_PA
R1
100K
CON101
HY24-AB1018-A1
USB-C TYPE
USB-C
TH1
TH2
TH3
TH4
GND1
GND2
TX1+
RX1+
TX1-
RX1-
VBUS1
VBUS2
CC1
SBU2
DP1
DN2
DN1
DP2
SBU1
CC2
VBUS3
VBUS4
RX2-
TX2-
RX2+
TX2+
GND3
GND4
GND5
GND6
GND7
GND8
A1
B12
A2
B11
A3
B10
A4
B9
A5
B8
A6
B7
A7
B6
A8
B5
A9
B4
A10
B3
A11
B2
A12
B1
CHARGER
(wide pattern)
VBUS
RATED VOLTAGE : 25V
2A
C107
10uF/10V
1608
U104
BQ25895
VBUS
SW2
SW1
BTST
SYS1
SYS2
BAT1
BAT2
REGN
TS
PMID
D+
D-
SDA
SCL
/INT
STAT
/CE
DSEL
/QON
OTG
ILIM
GND
PGND1
PGND2
C111
10N
R118
2R2
L100
CIGT252010EH1R0MNE
1608,100W0,2.5A
C110
47N
TP114
VDD
C113
47uF/10V
2012
C115
47uF/10V
2012
C117
47uF/10V
2012
VBAT
C112
47uF/10V
2012
C114
47uF/10V
2012
C116
47uF/10V
2012
C109
10uF/10V
R116
5.23K
R117
30.1K
TH100
TSM0A103F34D1RZ
C108
10uF/10V
1608
R114
100k
R115
180R
R105
2.2K
R107
2.2K
R108
10K
R109
10K
R110
10K
USB_DP
USB_DM
CHARGER_I2C_SDA
CHARGER_I2C_SCL
CHARGER_INTERRUPT
CHARGER_STAT
CHARGER_EN
DSEL
R106
100K
R111
10K
R113
0R
BUTTON