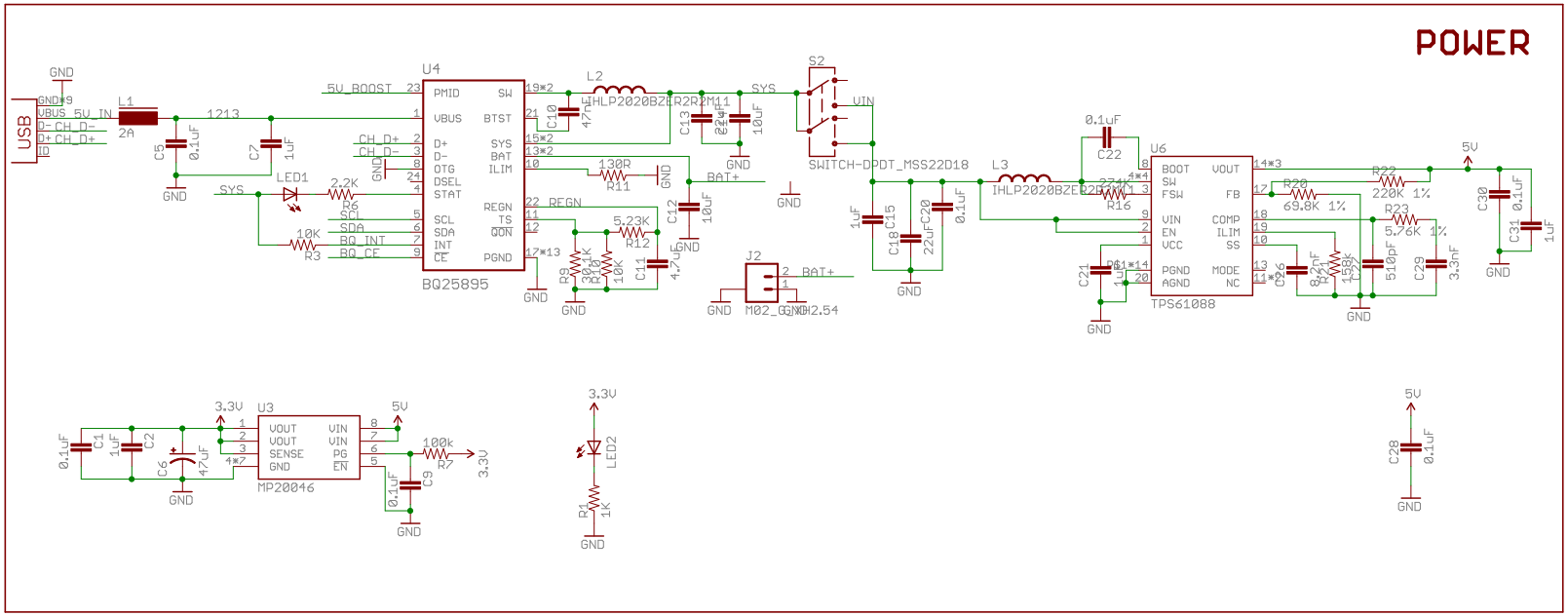
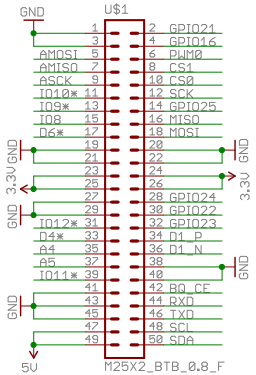
POWER


USB
GND
VBUS 5V_IN
D- CH_D-
D+ CH_D+
ID
L1
2A
C5
0.1uF
C7
1uF
1213
5V_BOOST
U4
PMID
VBUS
D+
D-
OTG
DSEL
STAT
SCL
SDA
INT
CE
SW
BTST
SYS
BAT
ILIM
REGN
TS
QON
PGND
BQ25895
CH_D+
CH_D-
LED1
2.2K
R6
10K
R3
BQ_INT
BQ_CE
REGN
L2
IHLP2020BZER2R2M11
C10
4.7uF
C13
22uF
10uF
130R
R11
C12
10uF
5.23K
R12
R9
30.1K
R10
10K
C11
4.7uF
S2
VIN
SWITCH-DPDT_MSS22D18
BAT+
J2
M02_GXH2.54
C15
1uF
C18
22uF
C20
0.1uF
L3
IHLP2020BZER2R2M11
0.1uF
C22
R16
U6
BOOT
SW
FSW
VIN
EN
VCC
PGND
AGND
VOUT
FB
COMP
ILIM
SS
MODE
NC
TPS61088
C21
R20
69.8K 1%
R22
220K 1%
R23
5.76K 1%
510pF
C29
3.3nF
C26
8.2nF
R21
C30
0.1uF
C31
1uF
5V
3.3V
C1
1uF
C2
C6
47uF
U3
VOUT
SENSE
GND
VIN
PG
EN
MP20046
100k
R7
C9
0.1uF
LED2
R1
1k
C28
0.1uF


U$1
GND
AMOSI
AMISO
ASCK
IO10*
IO9*
IO8
D6*
IO12*
D4*
A4
A5
IO11*
3.3V
5V
GPIO21
GPIO16
PWM0
CS1
CS0
SCK
GPIO25
MISO
MOSI
GPIO24
GPIO22
GPIO23
D1_P
D1_N
BQ_CE
RXD
TXD
SCL
SDA
M25X2_BTB_0.8_F