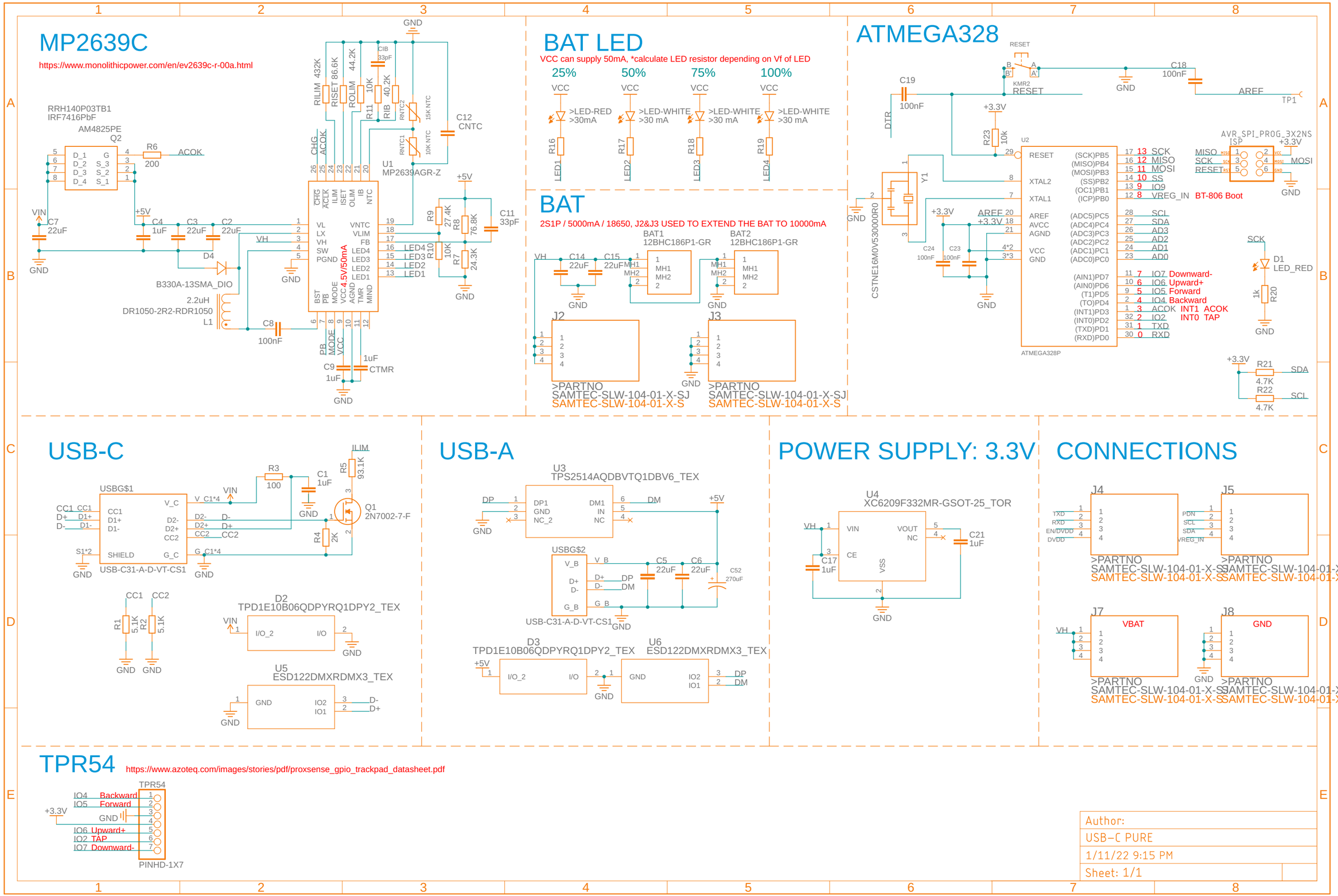
MP2639C
https://www.monolithicpower.com/en/ev2639c-r-00a.html
RRH140P03TB1
IRF7416PbF
AM4825PE
Q2
R6
200
ACOK
VIN
C7
22uF
C4
1uF
C3
22uF
C2
22uF
D4
B330A-13SMA_DIO
2.2uH
DR1050-2R2-RDR1050
L1
C8
100nF
RILIM 432K
RISET 86.6K
ROLIM 44.2K
CIB
33pF
R11
10K
RIB
40.2K
RNTC2
15K NTC
RNTC1
10K NTC
C12
CNTC
U1
MP2639AGR-Z
CHG
ACOK
VL
LX
VH
SW
PGND
VNTC
VLIM
FB
LED4
LED3
LED2
LED1
BST
PB
MODE
VCC
AGND
TMR
MINDD
4.5V/50mA
C9
1uF
1uF
CTMR
R9
27.4K
R8
76.8K
C11
33pF
R10
10K
R7
24.3K
BAT LED
VCC can supply 50mA, *calculate LED resistor depending on Vf of LED
25%
50%
75%
100%
VCC
>LED-RED
>30mA
>LED-WHITE
>30 mA
R16
R17
R18
R19
LED1
LED2
LED3
LED4
BAT
2S1P / 5000mA / 18650, J2&J3 USED TO EXTEND THE BAT TO 10000mA
BAT1
12BHC186P1-GR
BAT2
12BHC186P1-GR
C14
22uF
C15
22uF
MH1
MH2
J2
J3
>PARTNO
SAMTEC-SLW-104-01-X-SJ
SAMTEC-SLW-104-01-X-S
ATMEGA328
RESET
KMR2
C19
100nF
DTR
+3.3V
R23
10k
C18
100nF
AREF
TP1
U2
Y1
CSTNE16M0V530000R0
C24
100nF
C23
100nF
RESET
XTAL2
XTAL1
AREF
AVCC
AGND
VCC
GND
(SCK)PB5
(MISO)PB4
(MOSI)PB3
(SS)PB2
(OC1)PB1
(ICP)PB0
(ADC5)PC5
(ADC4)PC4
(ADC3)PC3
(ADC2)PC2
(ADC1)PC1
(ADC0)PC0
(AIN1)PD7
(AIN0)PD6
(T1)PD5
(TO)PD4
(INT1)PD3
(INT0)PD2
(TXD)PD1
(RXD)PD0
13 SCK
12 MISO
11 MOSI
10 SS
9 IO9
8 VREG_IN
BT-806 Boot
SCL
SDA
AD3
AD2
AD1
AD0
7 IO7 Downward-
6 IO6 Upward+
5 IO5 Forward
4 IO4 Backward
3 ACOK INT1 ACOK
2 IO2 INT0 TAP
1 TXD
0 RXD
ATMEGA328P
AVR_SPI_PROG_3X2NS
ISP
MISO
SCK
RESET
MOSI
D1
LED_RED
1k
R20
R21
4.7K
R22
4.7K
SDA
SCL
USB-C
USBG$1
CC1
D1+
D1-
V_C
D2-
D2+
CC2
SHIELD
G_C
V_C1*4
G_C1*4
S1*2
USB-C31-A-D-VT-CS1
R3
100
C1
1uF
ILIM
R5
93.1K
Q1
2N7002-7-F
R4
2K
R1
5.1K
R2
5.1K
D2
TPD1E10B06QDPYRQ1DPY2_TEX
I/O_2
I/O
U5
ESD122DMXRDMX3_TEX
IO2
IO1
USB-A
U3
TPS2514AQDBVTQ1DBV6_TEX
DP
DM
DP1
GND
NC_2
DM1
IN
NC
+5V
USBG$2
V_B
D+
D-
G_B
C5
22uF
C6
22uF
C52
270uF
D3
TPD1E10B06QDPYRQ1DPY2_TEX
U6
ESD122DMXRDMX3_TEX
POWER SUPPLY: 3.3V
U4
XC6209F332MR-GSOT-25_TOR
VH
VIN
CE
VOUT
NC
VSS
C17
1uF
C21
1uF
CONNECTIONS
J4
J5
TXD
RXD
EN/DVDD
DVDD
PDN
SCL
SDA
VREG_IN
J7
J8
VBAT
GND
TPR54
https://www.azoteq.com/images/stories/pdf/proxsense_gpio_trackpad_datasheet.pdf
IO4 Backward
IO5 Forward
IO6 Upward+
IO2 TAP
IO7 Downward-
PINHD-1X7
Author:
USB-C PURE
1/11/22 9:15 PM
Sheet: 1/1