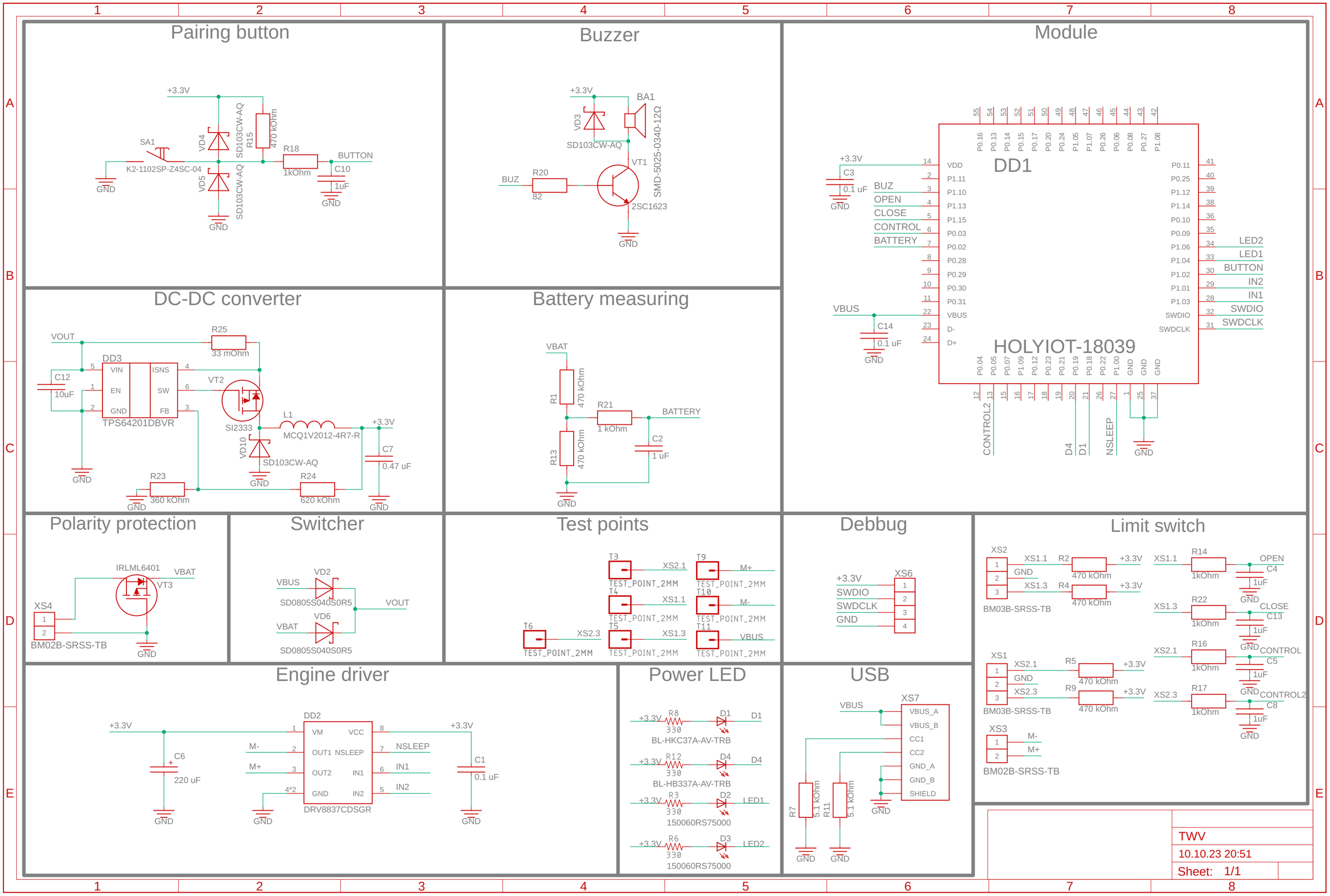
Pairing button
+3.3V
SA1
K2-1102SP-Z4SC-04
VD4
VD5
SD103CW-AQ
R15
470 kOhm
R18
1kOhm
BUTTON
C10
1uF
GND
Buzzer
+3.3V
VD3
SD103CW-AQ
BA1
SMD-5025-0340-12Ω
VT1
2SC1623
BUZ
R20
82
GND
Module
DD1
HOLYIOT-18039
+3.3V
C3
0.1 uF
BUZ
OPEN
CLOSE
CONTROL
BATTERY
VBUS
C14
0.1 uF
VDD
P1.11
P1.10
P1.13
P1.15
P0.03
P0.02
P0.28
P0.29
P0.30
P0.31
VBUS
D-
D+
P0.11
P0.25
P1.12
P1.14
P0.10
P0.09
P1.06
P1.04
P1.02
P1.01
P1.03
SWDIO
SWDCLK
LED2
LED1
BUTTON
IN2
IN1
SWDIO
SWDCLK
CONTROL2
D4
D1
NSLEEP
GND
DC-DC converter
VOUT
R25
33 mOhm
DD3
TPS64201DBVR
VIN
EN
GND
ISNS
SW
FB
C12
10uF
VT2
SI2333
L1
MCQ1V2012-4R7-R
+3.3V
VD10
SD103CW-AQ
C7
0.47 uF
R23
360 kOhm
R24
620 kOhm
GND
Battery measuring
VBAT
R1
470 kOhm
R13
470 kOhm
R21
1 kOhm
BATTERY
C2
1 uF
GND
Polarity protection
IRLML6401
VBAT
VT3
XS4
BM02B-SRSS-TB
GND
Switcher
VD2
VBUS
SD0805S040S0R5
VOUT
VD6
VBAT
SD0805S040S0R5
Test points
T3
XS2.1
TEST_POINT_2MM
T9
M+
T4
XS1.1
T10
M-
T6
XS2.3
T5
XS1.3
T11
VBUS
Debbug
+3.3V
SWDIO
SWDCLK
GND
XS6
Limit switch
XS2
XS1.1
GND
XS1.3
BM03B-SRSS-TB
R2
R4
470 kOhm
+3.3V
R14
1kOhm
OPEN
C4
1uF
R22
CLOSE
C13
R16
CONTROL
C5
R17
CONTROL2
C8
XS1
XS2.1
GND
XS2.3
BM03B-SRSS-TB
R5
R9
XS3
M-
M+
BM02B-SRSS-TB
Engine driver
+3.3V
C6
220 uF
DD2
DRV8837CDSGR
VM
VCC
OUT1
NSLEEP
OUT2
IN1
GND
IN2
M-
M+
C1
0.1 uF
Power LED
R8
330
D1
BL-HKC37A-AV-TRB
R12
D4
BL-HB337A-AV-TRB
R3
D2
LED1
150060RS75000
R6
D3
LED2
150060RS75000
USB
VBUS
XS7
VBUS_A
VBUS_B
CC1
CC2
GND_A
GND_B
SHIELD
R7
5.1 kOhm
R11
5.1 kOhm
TWV
10.10.23 20:51
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