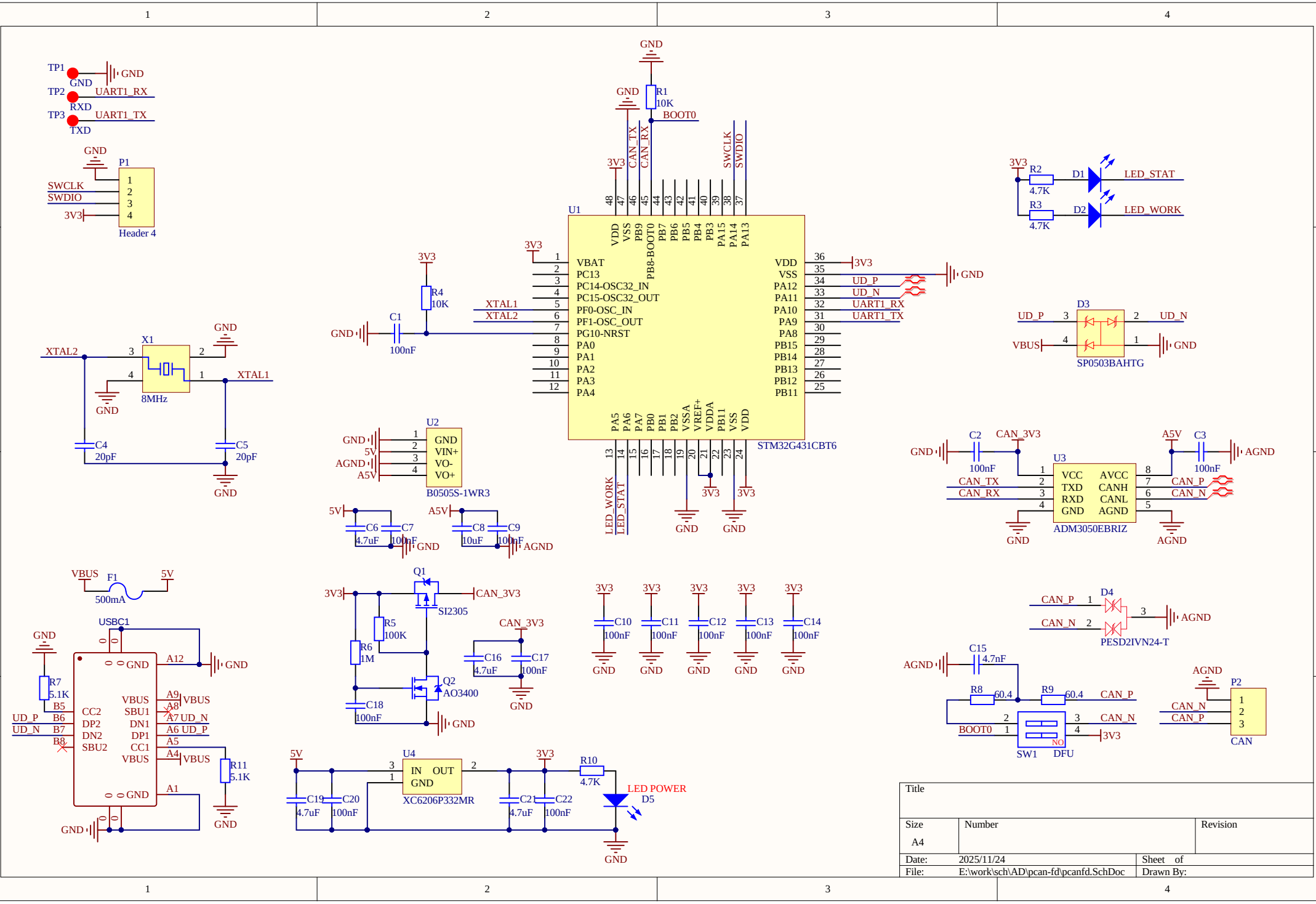
TP1
GND
TP2
UART1_RX
RXD
TP3
UART1_TX
TXD
P1
SWCLK
SWDIO
3V3
Header 4
X1
XTAL2
XTAL1
8MHz
C4
20pF
C5
20pF
R4
10K
C1
100nF
R1
10K
BOOT0
U1
VBAT
PC13
PC14-OSC32_IN
PC15-OSC32_OUT
PF0-OSC_IN
PF1-OSC_OUT
PG10-NRST
PA0
PA1
PA2
PA3
PA4
VDD
VSS
PA12
PA11
PA10
PA9
PA8
PB15
PB14
PB13
PB12
PB11
PA5
PA6
PA7
PB0
PB1
PB2
VSSA
VREF+
VDDA
PB11
VSS
VDD
PB8-BOOT0
PB9
PB7
PB6
PB5
PB4
PB3
PA15
PA14
PA13
STM32G431CBT6
UD_P
UD_N
UART1_RX
UART1_TX
CAN_TX
CAN_RX
SWCLK
SWDIO
LED_WORK
LED_STAT
R2
4.7K
D1
LED_STAT
R3
4.7K
D2
LED_WORK
D3
SP0503BAHTG
U2
B0505S-1WR3
GND
VIN+
VO-
VO+
5V
AGND
A5V
C6
4.7uF
C7
100nF
C8
10uF
C9
100nF
C2
100nF
CAN_3V3
U3
ADM3050EBRIZ
VCC
TXD
RXD
GND
AVCC
CANH
CANL
AGND
C3
100nF
CAN_P
CAN_N
VBUS
F1
500mA
USBC1
R7
5.1K
R11
5.1K
CC2
DP2
DN2
SBU2
VBUS
SBU1
DN1
DP1
CC1
A12
A9
A8
A7 UD_N
A6 UD_P
A5
A4
A1
Q1
SI2305
R5
100K
R6
1M
Q2
AO3400
C16
4.7uF
C17
100nF
C18
100nF
C10
100nF
C11
100nF
C12
100nF
C13
100nF
C14
100nF
D4
PESD2IVN24-T
C15
4.7nF
R8
60.4
R9
60.4
SW1
NO
DFU
P2
CAN
U4
XC6206P332MR
IN
OUT
R10
4.7K
C19
4.7uF
C20
100nF
C21
4.7uF
C22
100nF
LED POWER
D5
Title
Size
A4
Number
Revision
Date:
2025/11/24
Sheet of
File:
E:\work\sch\AD\pcan-fd\pcanfd.SchDoc
Drawn By: