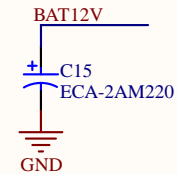
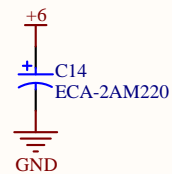
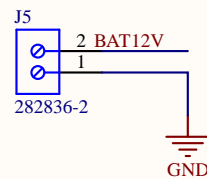
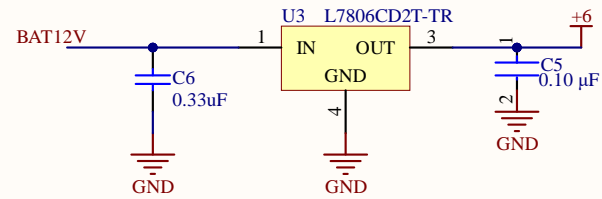
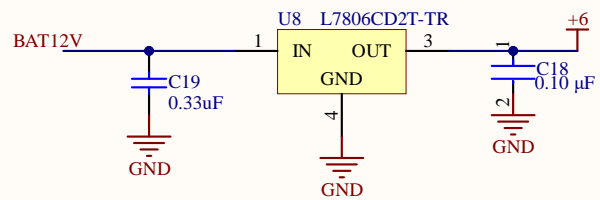
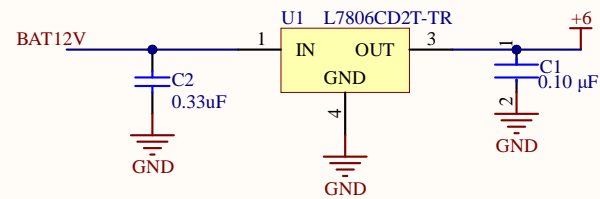
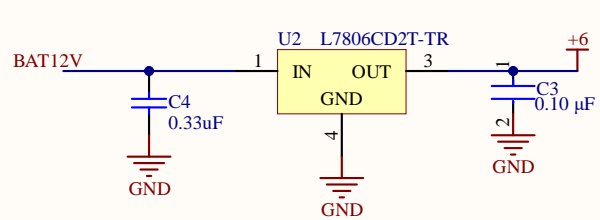


1

2

3

4



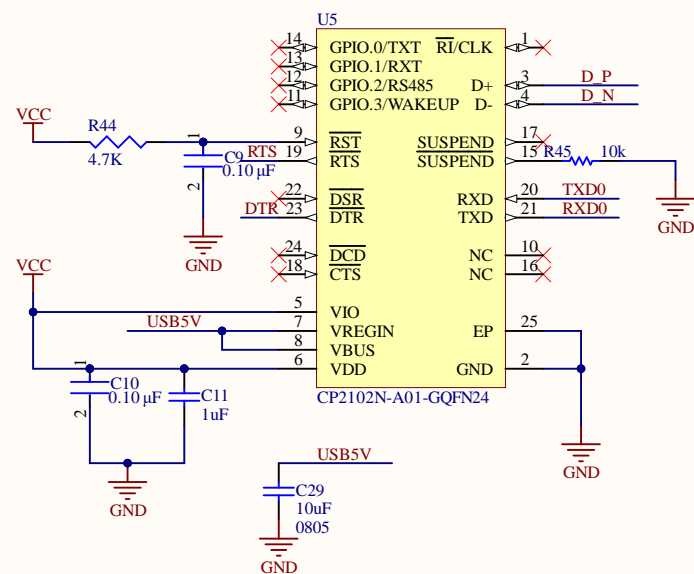
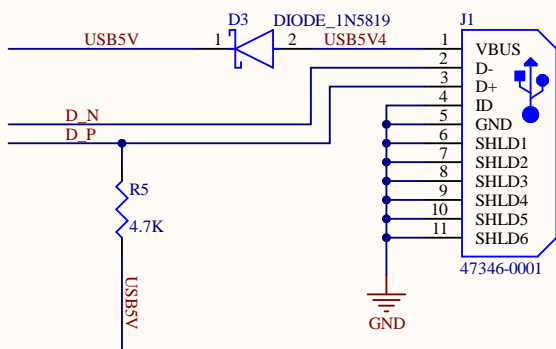
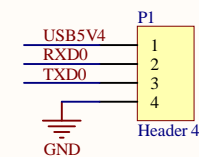
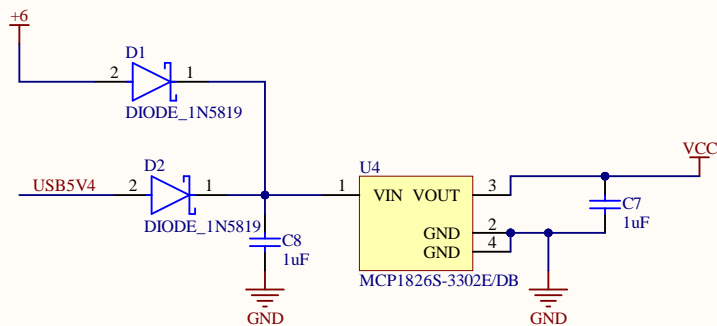
Title		
Size	Number	Revision
A		
Date: 8/25/2020		Sheet of
File: F:\Documents\...\01_powersupply.SchDoc		Drawn By:

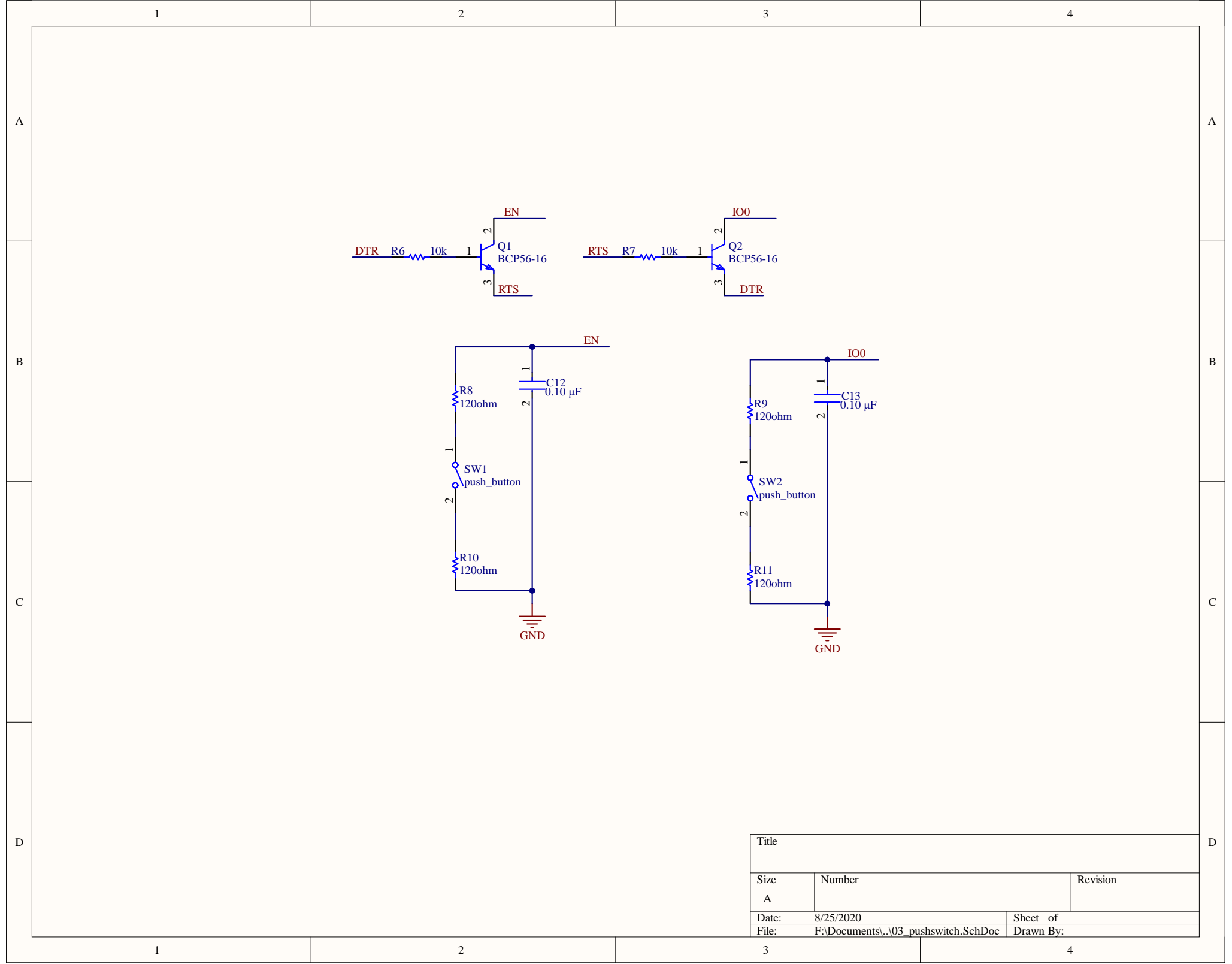
1

2

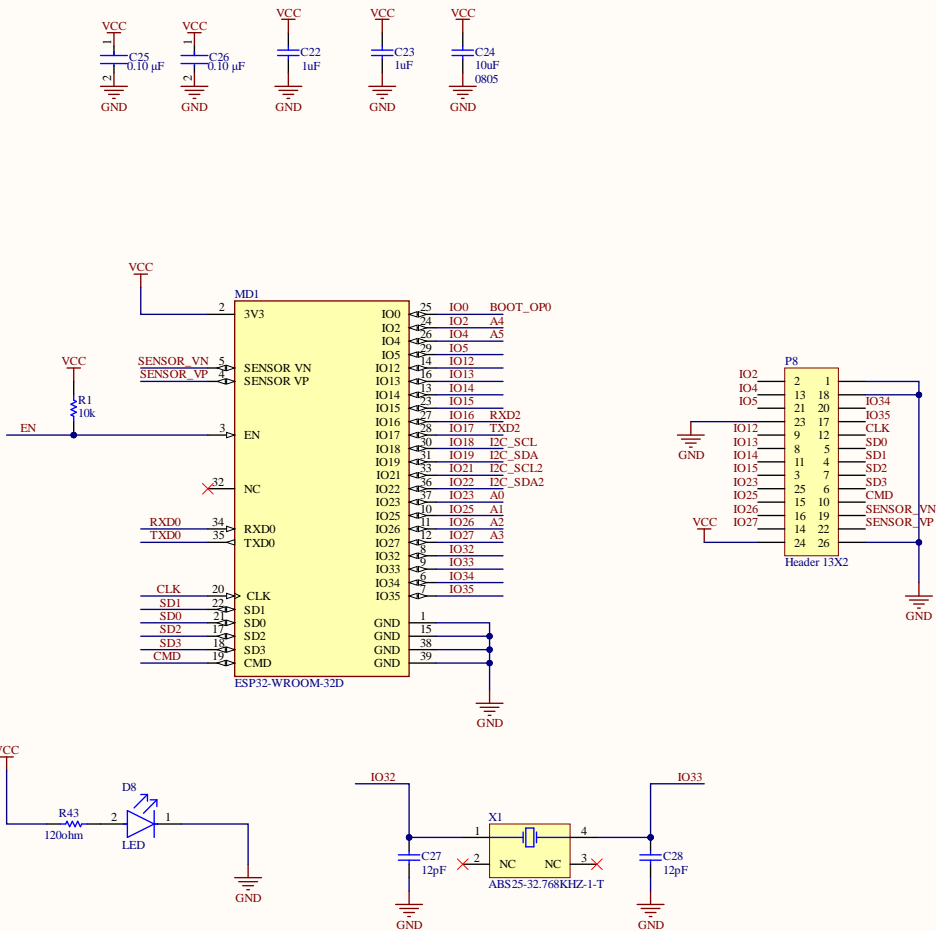
3

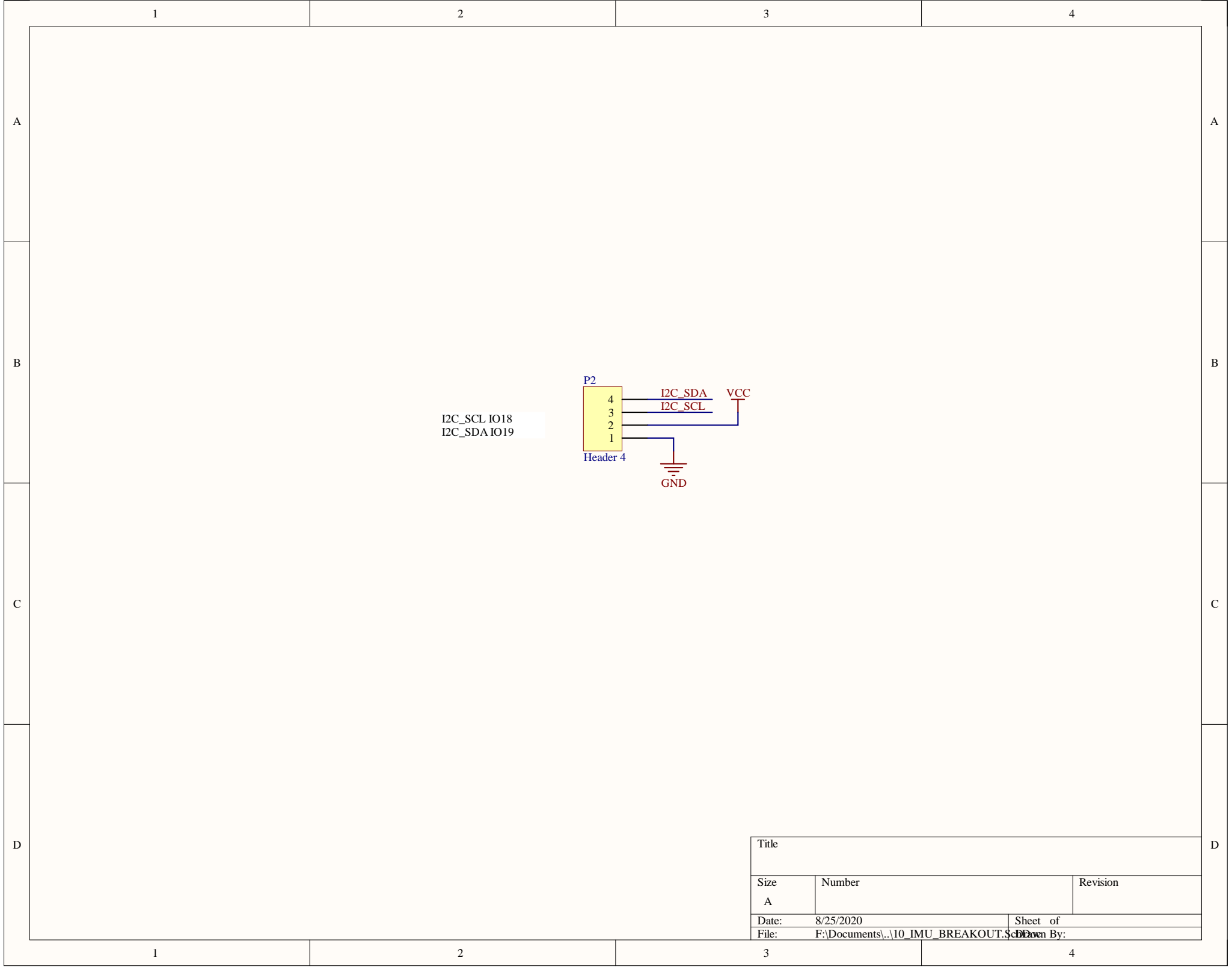
4

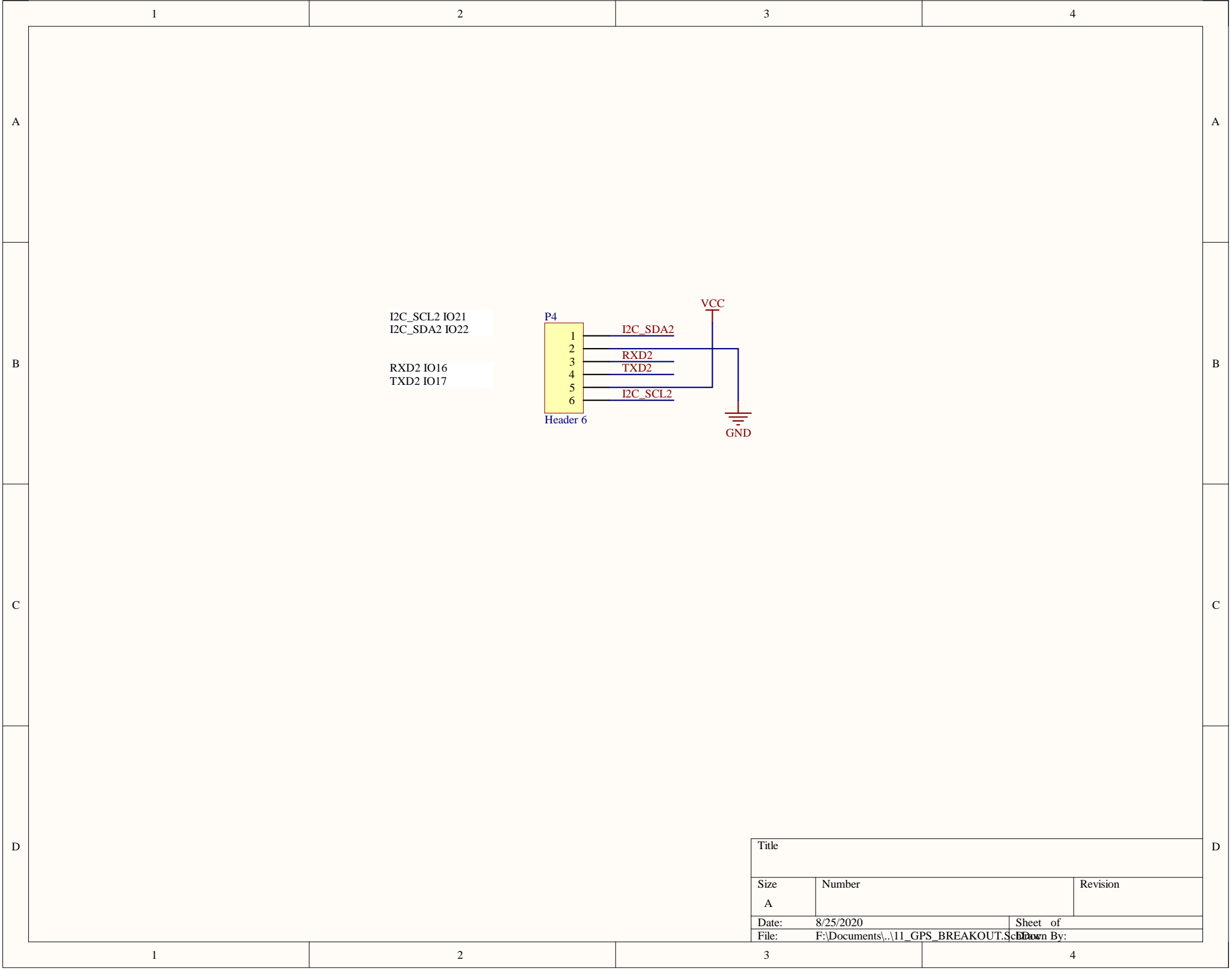


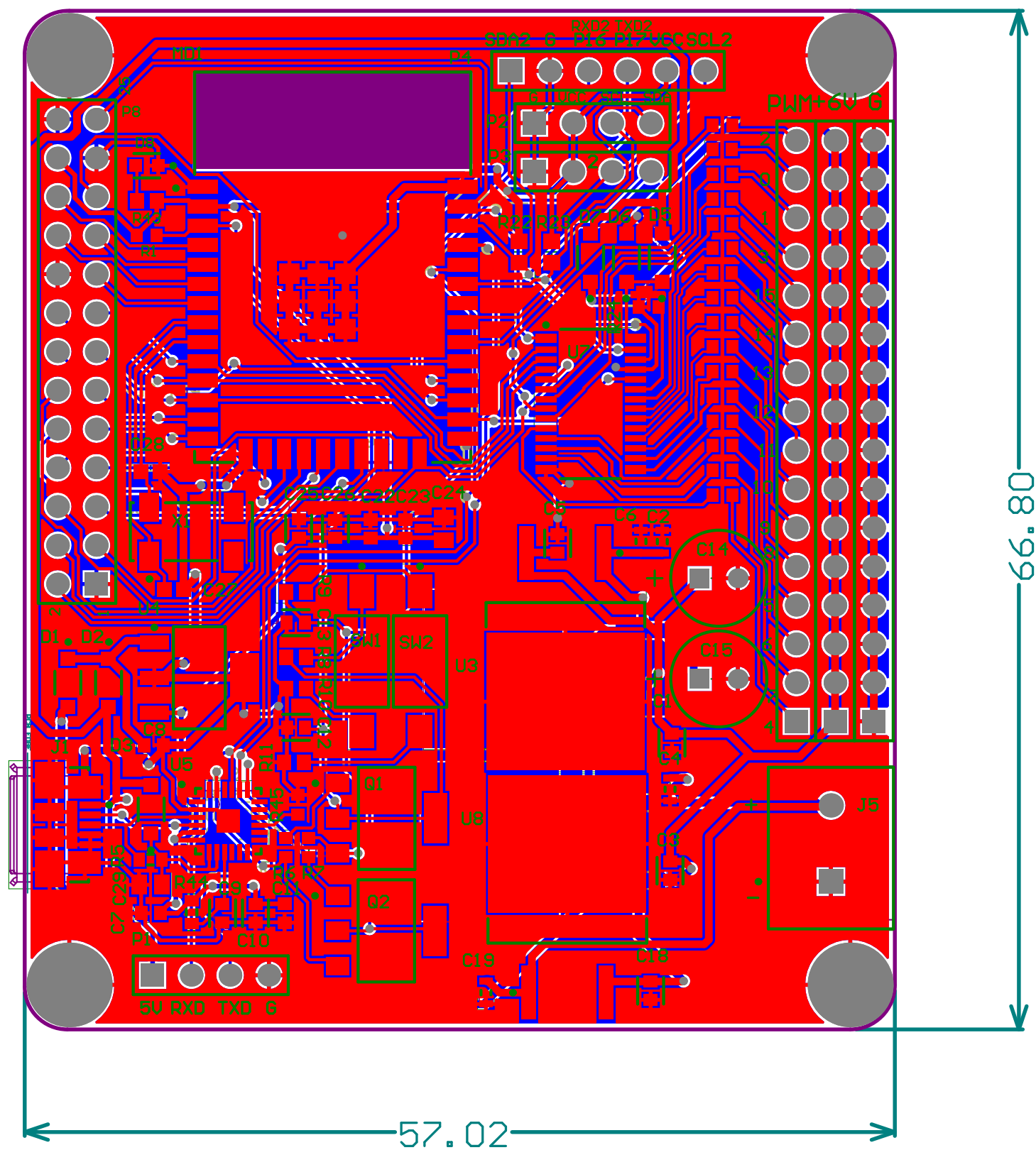


Title		
Size	Number	Revision
A		
Date:	8/25/2020	Sheet of
File:	F:\Documents\...\03_pushswitch.SchDoc	Drawn By:









Comment	Description	Designator	Footprint	LibRef	Quantity
C0603_0.1UF	CAP CER 0.1UF 16V X7R 0603	C1, C3, C5, C9, C10, C12, C13, C18, C25, C26	FP-C0603C-CF-MFG	CMP-03020-016578-1	10
C0603_0.33UF	Chip Capacitor, 0.33 uF, +/- 10%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C2, C4, C6, C19	CAPC1608X90X20LL10	CMP-2000-07551-1	4
C0603_1UF		C7, C8, C11, C22, C23	CAPC1608X87X35LL15 T15	CMP-2006-03318-1	5
ECA-2AM220	Aluminum Electrolytic Capacitor, 22 uF, +/- 20%, 100 V, -40 to 85 degC, 2-Pin THD, RoHS, Bulk	C14, C15	CAPPR55-250-1120X630X1220	CMP-1665-00035-2	2
C0805_10UF		C24, C29	CAPC2013X135X50LL1 OT20	CMP-2007-03453-1	2
CC0603JRNPO9BN120	Chip Capacitor, 12 pF, +/- 5%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape and Reel	C27, C28	CAPC1608X90X40NL1 OT20	CMP-1659-00031-1	2
DIODE_1N5819	DIODE SCHOTTKY 40V 1A SOD123	D1, D2, D3, D5, D6, D7	FP-SOD123-MFG	CMP-12790-000018-1	6
LED	LED GREEN CLEAR CHIP SMD	D8	FP-LTST-C190GKT-MFG	CMP-22017-000005-1	1
47346-0001	Micro-USB B Receptacle with Flange, -30 to 85 degC, 5-Pin SMD, RoHS, Tape and Reel	J1	MOLX-47346-0001-5_V	CMP-2000-05246-1	1
282836-2	Female Header, Pitch 5 mm, 1 x 2 Position, Height 10 mm, Tail Length 3.5 mm, RoHS, Bulk	J5	TECO-282836-2_V	CMP-1684-00017-1	1
ESP32-WROOM-32D	WIFI MODULE 32MBITS SPI FLASH	MD1	FP-ESP32-WROOM-32D-MFG	CMP-194065-000003-1	1
Header 4	Header, 4-Pin	P1, P2, P3	HDR1X4	Header 4	3
Header 6	Header, 6-Pin	P4	HDR1X6	Header 6	1
Header 16	Header, 16-Pin	P5, P6, P7	HDR1X16	Header 16	3
Header 13X2	Header, 13-Pin, Dual row	P8	HDR2X13	Header 13X2	1
BCP56-16	TRANS NPN 80V 1A SOT-223	Q1, Q2	FP-SOT-223-P008-MFG	CMP-12195-000003-1	2
R0603_10K	Chip Resistor, 10 KOhm, +/- 1%, 0.1 W, 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel	R1, R2, R3, R4, R6, R7, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R24, R25, R26, R27, R45	RESC1609X55X30LL15 T15	CMP-2000-07452-1	21
R0603_4.7K	Resistor	R5, R44	J1-0603	Res3	2
R0603_120R		R8, R9, R10, R11, R43	RESC1608X55X30NL20 T20	CMP-2000-00896-1	5
R0603_2.4K		R22, R23	RESC1608X50X30ML2 OT20	CMP-2000-02561-1	2
push_button	FSMSM Push Button Switch, 50 mA, -35 to 85 degC, 2-Pin SMD, RoHS, Tape and Reel	SW1, SW2	TECO-FSMSMTR_V	CMP-2000-07501-1	2
L7806CD2T-TR	Positive Voltage Regulator, 3-Pin D2PAK, Tape and Reel	U1, U2, U3, U8	TO-263_L	CMP-0244-00208-1	4
MCP1826S-3302E/DB	1000 mA, Low Voltage, Low Quiescent Current LDO Regulator, 3-Pin SOT-223, Extended Temperature	U4	SOT-223-DB3_L	CMP-0136-00504-1	1
CP2102N-A01-GQFN24	USBXpress(TM) Family, 4 GPIOs, 2.2 to 3.6 V, -40 to 85 degC, 24-Pin QFN, RoHS	U5	SLAB-OFN-24-2550x2550TP_A_V	CMP-2000-07570-1	1
PCA9685PW	16-Channel, 12-Bit PWM Fm+ I2C-Bus LED Controller, 2.3 to 5.5 V, -40 to 85 degC, 28-Pin TSSOP (SOT361-1), RoHS, Tape and Reel	U7	SOT361-1_V	CMP-1595-00004-2	1
ABS25-32.768KHZ-1-T	Low Frequency Crystal, 32.768 KHz, -40 to 85 degC, 4-Pin SMD, RoHS, Tape and Reel	X1	ABRA-ABS25-4_V	CMP-2000-05736-1	1