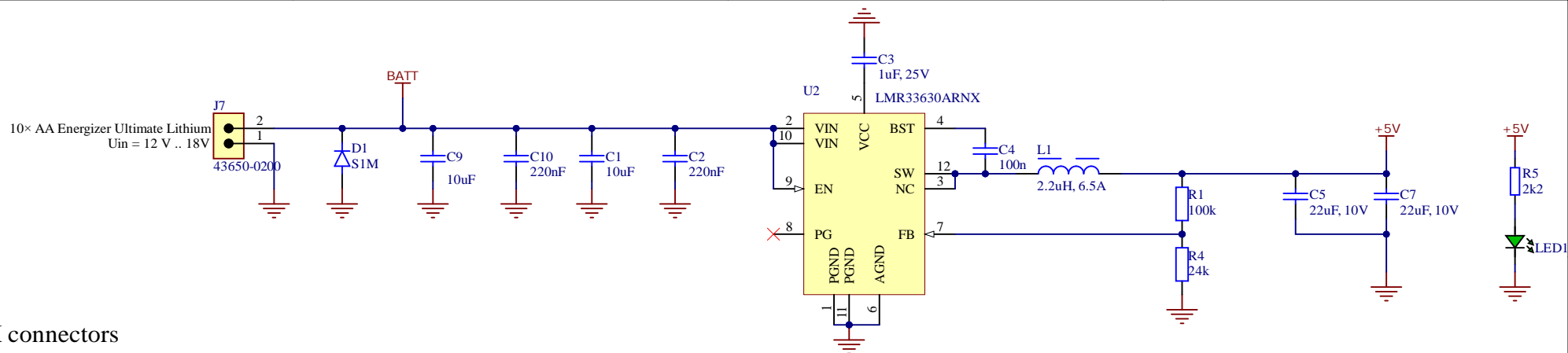


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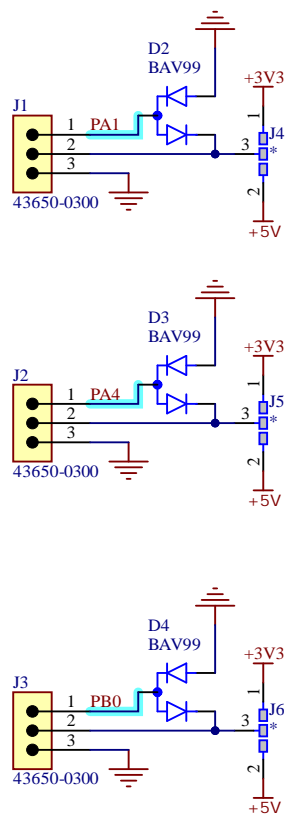
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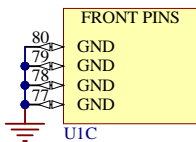
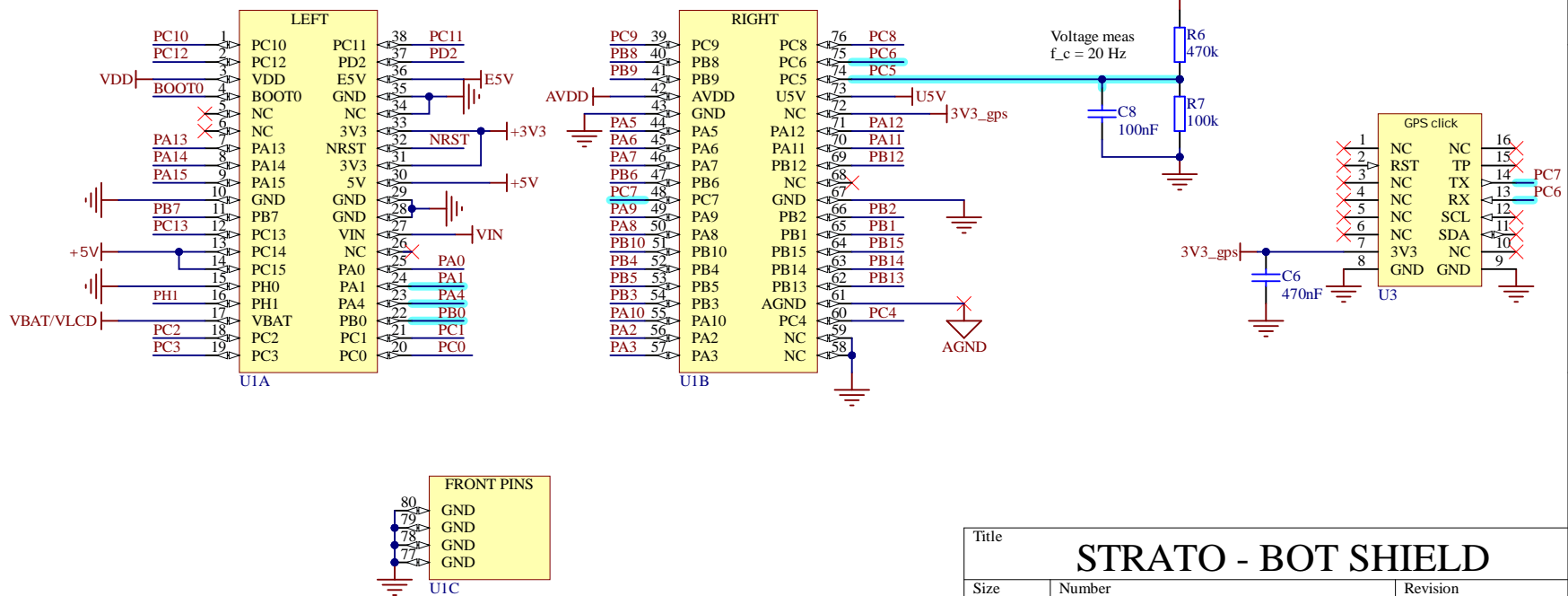
4



### AUX connectors



### Morpho connector



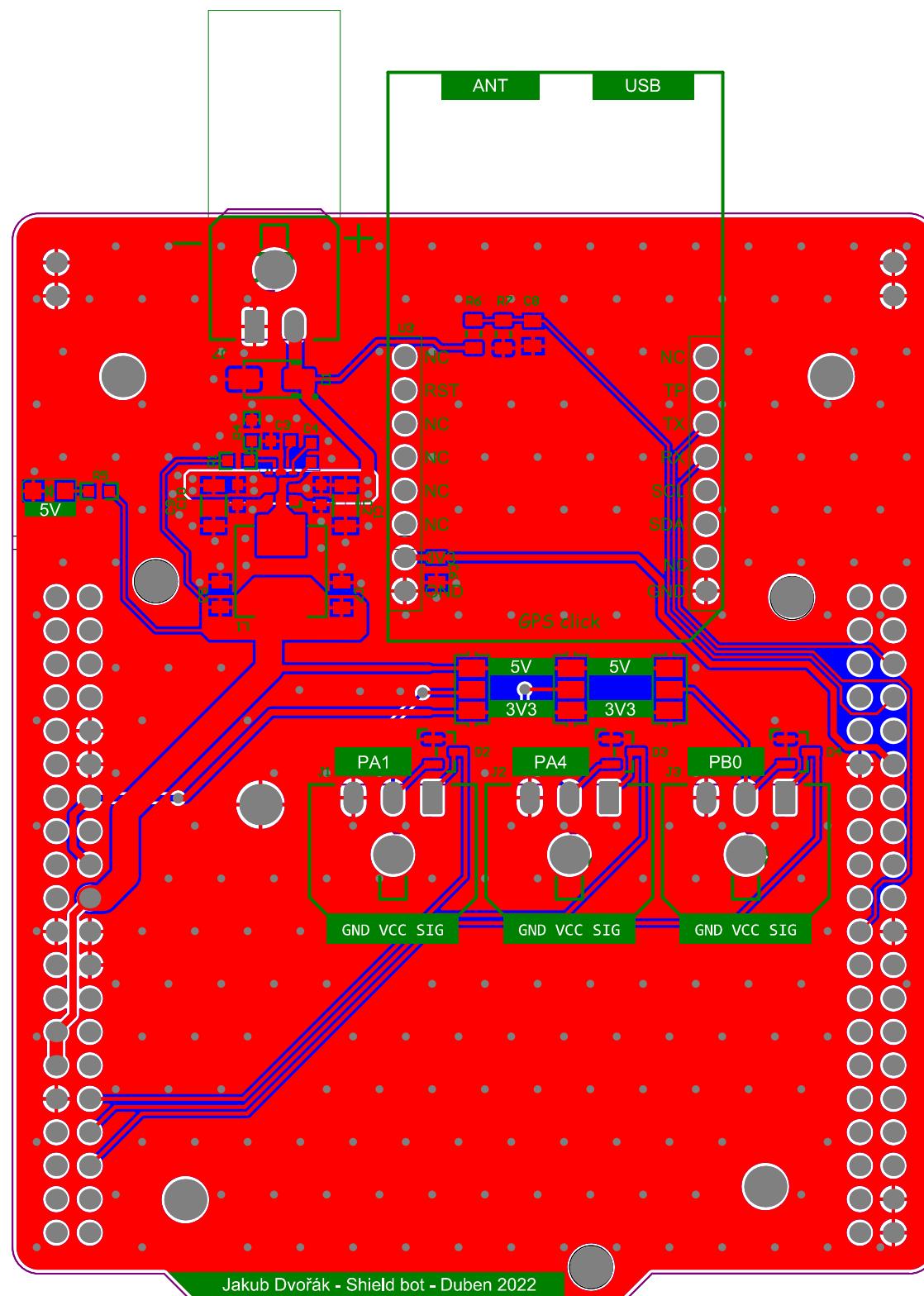
Title		
STRATO - BOT SHIELD		
Size	Number	Revision
A4		1.0
Date:	5/2/2022/5/20	Sheet of 1/1
File:	C:\Users\...\power.SchDoc	Drawn By: Jakub Dvořák

1

2

3

4



Item #	Designator	Description	Comment	Quantity	Column Name Error: Manufacturer Part Number	Footprint	LibRef	Note
1	C1, C9	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 1206, X5R, 10uF, 50V	10uF	2		WCAP-CSGP_1206_L3.2W1.6H1.6	8.85012E+11	
2	C2, C10	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 220nF, 50V	220nF	2		WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow	8.85012E+11	
3	C3	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 1uF, 25V	1uF, 25V	1		WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow	8.85012E+11	
4	C4	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0603, X7R, 100nF, 25V	100n	1		WCAP-CSGP_0603_L1.6W0.8H0.8_Reflow	885012206071R	
5	C5, C7	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X5R, 22uF, 10V	22uF, 10V	2		WCAP-CSGP_0805_L2W1.25H1.25	8.85012E+11	
6	C6	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 470nF, 50V	470nF	1		WCAP-CSGP_0805_L2W1.25H1.25	8.85012E+11	
7	C8	WCAP-CSGP Multilayer Ceramic Chip Capacitor, General Purpose, size 0805, X7R, 100nF, 50V	100nF	1		WCAP-CSGP_0805_L2W1.25H0.8_Reflow	885012207098R	
8	D1	D; Si; 1000V; 1A; 1x;	S1M	1		DIOM5127X23N(SMA)	ED+S1MXX0	
9	D2, D3, D4		BAV99	3		SOT95P230X110-3N(SOT23)	BAV99	
10	J1, J2, J3	Con; Micro Fit 3.0; 3x; PCB; Right angle; 250V; 5A; Male; Tin; ??;	43650-0300	3		MOLEX_43650-0300	EJ-0436500300XX0	
11	J7	Con; Micro Fit 3.0; 2x; PCB; Right angle; 600V; 5A; Male; Nickel; ??;	43650-0200	1		MOLEX_43650-0200	EJ-43650-0200XX0	
12	L1	WE-LHMI SMT Power Inductor, size 7030, 2.2uH, 6.5A	2.2uH, 6.5A	1		WE-LHMI_7030	74437346022	
13	LED1		green	1		0805LEDG	LEDG_0805	
14	R1, R4, R5	100000.00, 24000.00, 2200.00	Thick film	3		RES_0603	RES_100k_5%_0603, RES_24k_5%_0603, RES_2k2_5%_0603	
15	R6	R; 470k; 0.125W; 1%; 150V; Thick Film; ±100ppm/K; 1x;	470k	1		RESC2012X06N(SMR0805)	ER+470K0.1WXXF	
16	R7	R; 100k; 0.125W; 1%; 150V; Thick Film; ±100ppm/K; 1x;	100k	1		RESC2012X06N(SMR0805)	ER+100K0.1WXXF	
17	U1		NUCLEO F466 MORPHO LEFT	1		Nucleo_bot_pads	NUCLEO F466 MORPHO LEFT	
18	U2	IC; SMPS Regulator/Controller; 3.8V; 36V; 1x;	LMR33630ARNX	1		QFN50P200X300X100-12N	EU+LMR33630ARNXXX0	3-A Synchronous Step-Down Voltage Converter
19	U3		GPS Click	1		GPS click - no legs	GPS Click	