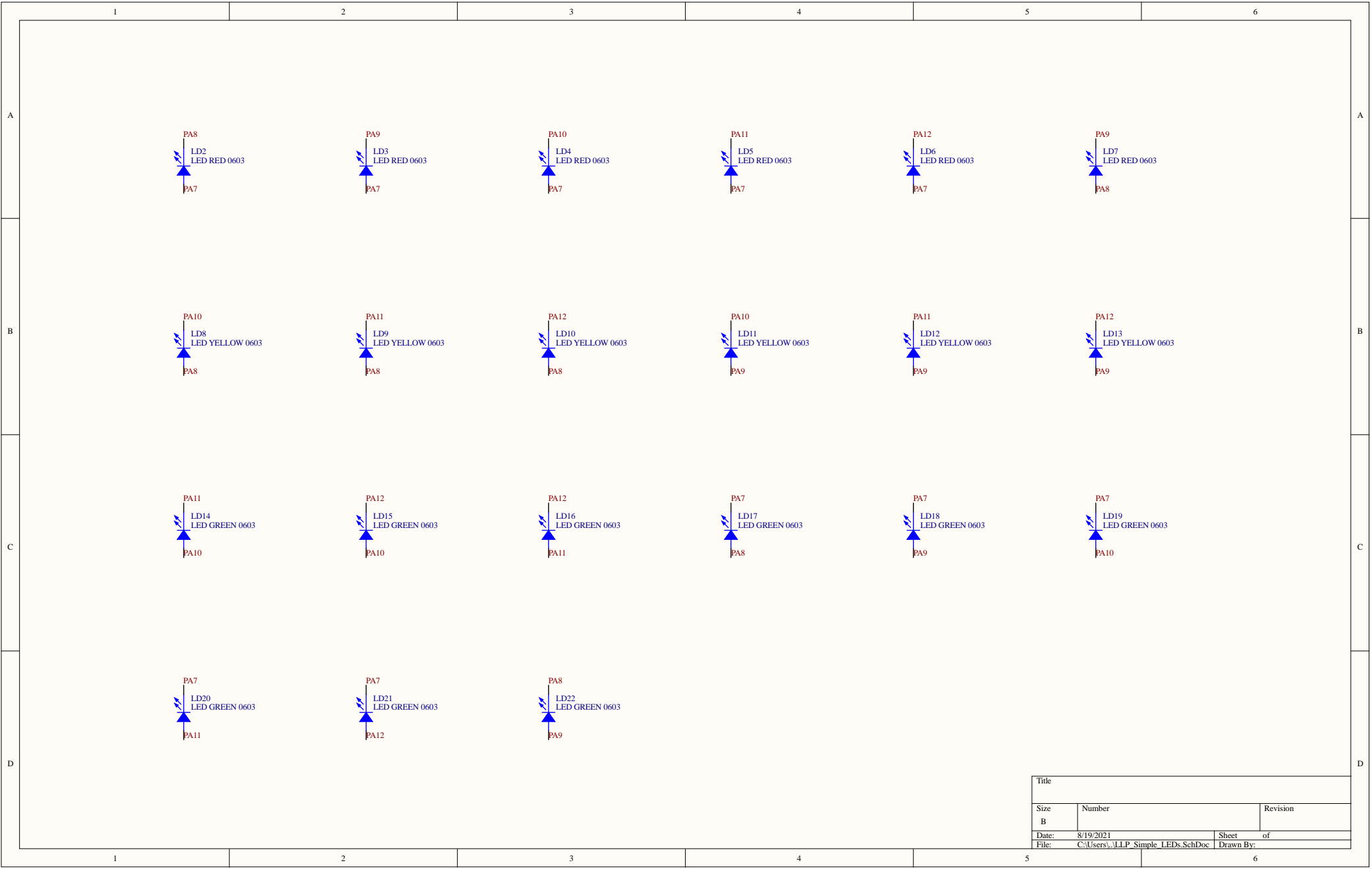


	1	2	3	4	5	6		
A								
B	8	PA10 --< -- PA8		PA12 --< -- PA10		PA7 --< -- P11	8	
	4	PA10 --< -- PA7	PA9 --< -- PA8	PA10 --< -- PA9	PA11 --< -- PA10	PA7 --< -- PA9	PA7 --< -- PA12	4
	2	PA9 --< -- PA7	PA12 --< -- PA7	PA12 --< -- PA8	PA12 --< -- PA9	PA7 --< -- PA8	PA8 --< -- PA9	2
	1	PA8 --< -- PA7	PA11 --< -- PA7	PA11 --< -- PA8	PA11 --< -- PA9	PA12 --< -- PA11	PA7 --< -- PA10	1
C		H	H	M	M	S	S	
D								
	1	2	3	4	5	6		

Title		
Size	Number	Revision
C		
Date:	8/19/2021	Sheet of
File:	C:\Users\JLED layout SchDoc	Drawn By:

Title		
Size	Number	Revision
C		
Date:	8/19/2021	Sheet of
File:	C:\Users\jled\layout SchDoc	Drawn By:



Title		
Size B	Number	Revision
Date:	8/19/2021	Sheet of
File:	C:\Users\LLP Simple LEDs\SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
BATT_PADS		BATT1	BATT_PADS	BATT_PADS	1
a-Cap_0.1uF_1	Capacitor 0.1uF, 10V, ±10%, X5R, ROHS C, 0201	C1, C12, C13, C14	0201W10STC	a-Cap_0.1uF_1	4
a-Cap_10uF	Capacitor 10uF, 20%, 4V, X5R, 0402	C2, C5, C7	0402	a-Cap_10uF	3
c-Cap_2200pF	Capacitor 2200pF 10% 10V X7R 0201	C3	0201W10STC	c-Cap_2200pF	1
a-Cap_1.0uF	Capacitor 1.0uF, +/-10%, 6.3V, X5R, RoHS C, 0402	C4	0402	a-Cap_1.0uF	1
c-Cap_100pF	Capacitor 100pF 10% 25V X7R 0201	C6	0201W10STC	c-Cap_100pF	1
a-Cap_0.1uF	Capacitor 0.1uF, 6.3V, +/-10%, X5R, ROHS C, 0201	C8, C9, C10, C11	0201W10STC	a-Cap_0.1uF	4
FB_20_0402	Ferrite Bead 20 Ohm 3.8A 11mOhm 0402	FB1	0402	FB20_0402	1
Inductor_0603_4.7uH	Inductor 4.7uH 0603 +/-20% 500mA 240mOhm	L1	0603	Inductor_0603_4.7uH	1
LED RED 0603	0603 Ultra Bright Red Led, 54mcd	LD1, LD2, LD3, LD4, LD5, LD6, LD7	0603LED_RED	LED_0603_R	7
LED YELLOW 0603	ULTRABRIGHT LED YELLOW 0603 0.8mm high	LD8, LD9, LD10, LD11, LD12, LD13	0603LED_YELLOW	LED_0603_YELLOW_SLM	6
LED GREEN 0603	LED GREEN 0603 0.8mm high	LD14, LD15, LD16, LD17, LD18, LD19, LD20, LD21, LD22	0603LED_GREEN	LED_0603_G_SLM_OLD	9
SI2319DS	P_Channel Mosfet 40V 2.3A,SOT-23	Q1	SOT23-A	SI2319DS	1
AO3435L	P_Channel Mosfet 20V 3.5A, 70mOhm SOT-23	Q2	SOT23-A	AO3435L	1
AP2318GEN	MOSFET N-Ch 30V 500mA SOT23	Q3	SOT23-A	AP2318GEN	1
R_0201_2430	Resistor 2.43k, 1%, 1/20W, 0201	R2	0201W10ST	R_0201_2430	1
R_0201_10000_1	Resistor 10k 1% 1/20W 0201	R3, R24, R26	0201W10ST	R_0201_10000_1	3
R_0201_1000000	Resistor 1M 1% 0201	R4, R8	0201W10ST	R_0201_1000000	2
R_0201_470000	Resistor 470k, 1%, 1/20W, 0201	R5, R6	0201W10ST	R_0201_470000	2
R_0201_150000	Resistor 150k 1% 0201	R7	0201W10ST	R_0201_150000	1
R_0402	template	R9, R11	R0402	R_0402	2
R_0201_1000	Resistor 1k, 1%, 1/20W, 0201	R10	0201W10ST	R_0201_1000	1
R_0201_22	Resistor 22R, 1%, 1/20W, 0201	R12, R13	0201W10ST	R_0201_22	2
R_0201_200	Resistor 200R, 1%, 1/20W, 0201	R14, R15, R16, R17, R18, R19, R21, R22, R23, R25	0201W10ST	R_0201_200	10
R_0201_4700_1	Resistor 4.7k 1% 0201	R20	0201W10ST	R_0201_4700_1	1
SW_PUSHBUT_RA_LowProfile_SMD	Right angle SMT tact switch_Low_Profile DragonWell	S1	KFC-A07-35	SW_PUSHBUT_RA_LowProfile_SMD	1
RT9278	Step up converter Vin=1.5...5.5V, Vout_max=5.5V, Ilim=2A, f=0.65MHz	U1	WDFN-10L_3X3	RT9278_PQV	1
STM32L052x6	Ultra-low-power 32-bit MCU Arm®-based Cortex®-M0+, up to 64 KB Flash memory, 8 KB SRAM, 2 KB EEPROM, USB, ADC, DAC	U2	QFP80P900X900X160-32N	STM32L052x6	1