







Title		
Size	Number	Revision
A		
Date:	10/08/2021	Sheet of
File:	D:\Freelance\...\Power.SchDoc	Drawn By:

Comment	Description	Designator	Footprint	LibRef	Quantity
B2B-PH-K-S(LF)(SN)	Connector Header, PH Series, 2 Position, 2.00mm, Through Hole, Press-Fit, Solder, Natural	BATT, Latch0, Latch1, Latch2, Latch3, Latch4, Latch5, Latch6, Latch7, Latch8, Latch9, Latchadd, Latchdiv, Latchmul, Latchsub	JST_B2B-PH-K-S(LF)(SN)	B2B-PH-K-S(LF)(SN)	15
100nF	Prices include import duty and tax. CAP, 0.1uF, 25V, MLCC, 0402: SVHC: No SVHC (15-Jan-2019)	C1, C2	CAPC1005X55N	CL05A104KA5NNNC	2
10uF	MURATA - GRM21BR61E106MA7 3L - SMD Multilayer Ceramic Capacitor, 10 uF, 25 V, 0805 [2012 Metric], ± 20%, X5R, GRM Series	C3	CAPC2012X140N	GRM21BR61E106MA7 3L	1
1uF	Cap Ceramic 1uF 10V X5R 10% Pad SMD 0402 85°C T/R	C4	CAPC1005X55N	LMK105BJ105KV-F	1
20pF	CAP CER 20PF 50V COG/NPO 0402	C5, C6	CAPC1005X55N	GRM1555C1H200JA01D	2
2.2uF	Cap Ceramic 2.2uF 6.3V X7R 10% SMD 0603 125C Paper T/R	C7, C8	CAPC1608X90N	CGA3E1X7R0J225K080AC	2
QLS6B-FKW-CNSNSF043	CREE - QLS6B-FKW-CNSNSF043 - FULL RANK, TAPE&REEL 07AH1280	D1	LED_QLS6B-FKW-CNSNSF043	QLS6B-FKW-CNSNSF043	1
850mR	FERRITE BEAD 1 KOHM 0603 1 LN	FB1, FB2	0603	Inductor	2
NUC029TAN	Integrated Circuit	IC1	QFN40P400X400X80-33N	NUC029TAN	1
USB4125-GF-A_REVA2		J1	GCT_USB4125-GF-A_REVA2	USB4125-GF-A_REVA2	1
	MCP73831 Series Single-Cell Li-Ion/Li-Polymer Battery Charge Controller SOT-23-5	J2	SOT95P280X145-5N	MCP73831T-2ACI/OT	1
SSQ-104-02-T-S-RA	Conn Socket Strip SKT 4 POS 2.54mm Solder RA Thru-Hole Bulk	LCD	SAMTEC_SSQ-104-02-T-S-RA	SSQ-104-02-T-S-RA	1
CMT-0904-83T		LS?	XDCR_CMT-0904-83T	CMT-0904-83T	1
67997-410HLF	Conn Unshrouded Header HDR 10 POS 2.54mm Solder ST Top Entry Thru-Hole BergStik® Bulk	P1	HDR2X5	Header 5X2	1
PMBT3904,215	Transistor BJT NPN	Q?	SOT95P230X110-3N	PMBT3904,215	1
10kR	RES 10K OHM 5% 1/16W 0402	R1, R2, R3, R8	RESC1005X40	RMCF0402JT10K0	4
4.7kR	Res Thick Film 0402 4.7K Ohm 5% 1/16W 100ppm/C Molded SMD SMD Paper T/R	R4, R5	RESC1005X40	RMCF0402JT4K70	2
180R	SMD Chip Resistor, 0402 [1005 Metric], 180 ohm, CRGCO Series, 50 V, Thick Film, 63 mW	R6, R7	RESC1005X40	RMCF0402JT10K0	2
1kR	RES 1K OHM 1% 1/16W 0402	R?	RESC1005X35N	RMCF0402FT100R	1
100R	RES 100 OHM 1% 1/16W 0402	R?	RESC1005X35N	RMCF0402FT100R	1
TL3315NF100Q	E-SWITCH - TL3315NF100Q - SWITCH, TACTILE, SPST, 50mA, 15VDC	S1	SW_TL3315NF100Q	TL3315NF100Q	1
500SSP3S1M6QEA	SWITCH SLIDE SPDT 5A 120V	S?	500SSP3S1M6QEA	500SSP3S1M6QEA	1
MIC5528-3.3YMT-TR	LDO Regulator Pos 3.3V 0.5A 6-Pin TDFN EP T/R	U1	SON40P120X120X60-7N	MIC5528-3.3YMT-TR	1
24MHz	MURATA - XRCGB24M000F0L00R 0 - QUARZRESONATOR, 24MHZ, 150PPM	Y1	OSC_XRCGB24M000F0L00R0	XRCGB24M000F0L00R0	1