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Bill of Materials for Project [Power\_Bank.PrjPcb] (No PCB Document Selected)

Source Data From: Project: Variant:		Power_Bank.PrjPcb Power_Bank.PrjPcb None	
Creation Date:	04-Sep-20	4:31 PM	
Print Date:	04-Sep-20	4:32:08 PM	

Production Quantity:	1												
Currency	USD		_										
Footprint	Comment	LihRef	Designator	Description	Quantity	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Order Qtv 1	Supplier Subtotal 1	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1
TEST_POINT	TEST_POINT4	TEST_POINT	A-GND	Description .	1	Digi-Kev	311-100LRCT-ND	oupplier office r	ouppiler order aty i	oupplier oubtotul i	munulautarer 1	manadacarer r ar rumber r	mundidotarer Encoyote 1
C0402	1PF	CC0805CRNPO9BN1R0	C1, C13	CAP CER 1PF 50V C0G/NP0 0402	2	Digi-Key	490-3199-1-ND						
C0402	100n	C2012X7R1H104K085AA	C2, C14, C15,	CAP CER 0.1UF 16V Y5V 0402	5	Digi-Key	478-1138-1-ND						
C0402	22uF	GRM21BR61A226ME44L	C23, C30 C3, C4, C5, C6, C7, C8, C9, C29.	CAP CER 22UF 6.3V X5R 0402	9		1276-7090-1-ND						
C0402	22UF	GRIVZ I BR6 I AZZ6ME44L	C7, C8, C9, C29, C32 C10, C16, C19,	CAP CER 220F 6.3V X5R 0402	9	Digi-Key	1276-7090-1-ND						
C0402	1u	C2012X5R1E105K125AA	C21, C24, C25, C26	CAP CER 1UF 6.3V X5R 0402	7	Digi-Key	478-1249-1-ND						
C0603	47U	CC0805MKX5R5BB476	C11, C12	CAP CER 47UF 4V X5R 0603	2	Digi-Key	490-13246-1-ND						
C0402	390PF	CC0805KRX7R9BB391	C17, C18	CAP CER 390PF 50V X7R 0402	2	Digi-Key	311-1724-1-ND						
C0402	1000PF	CC0201KRX5R8BB102	C20, C31, C34		3	Digi-Key	311-1352-1-ND						
C0402 C0402	0.022UF 0.01uF	C0805C223K5RACTU C0603C103M5RACTU	C22 C27, C28	CAP CER 0.22UF 6.3V X5R 0402 CAP CER 0.01UF 16V X7R 0402	2	Digi-Key	490-3252-1-ND 399-17617-1-ND	+					+
C0402	10uF / 16V	C2012X5R1C106M	C33	CAP CER 10UF 4V X5R 0402	1	Digi-Key Digi-Key	490-10693-1-ND						
TEST_POINT	TEST_POINT1	TEST_POINT	C-GND, USB2+	ON OUR TOOL TO NOT OHOL	2	Digi-Key	311-100LRCT-ND						
SOD523	SZMM5Z5V1T1G	SZMM5Z5V1T1G	D1, D2	DIODE ZENER Single 5.1V 6% 200mW 2-Pin SOD-523 T/R	2	Digi-Key	SZMM5Z5V1T1GOSCT-ND						
SOT23	BAT54CLT1G	BAT54CLT1G	D3	DIODE SCHOTTKY 30V 0.2A 3-Pin SOT-23 T/R	1	Digi-Key	BAT54CLT1GOSCT-ND						
SOD123	BAT54T1G	BAT54T1G	D4, D9	DIODE SCHOTTKY 30V 600 mA - SOD- 123 SMD	2	Digi-Key	BAT54T1GOSCT-ND						
LED_0603	Green	LG L29K-G2J1-24-Z TEST_POINT	D5, D6, D7, D8	LED SMARTLED GREEN 570NM 0603	4	Digi-Key	475-2709-1-ND 311-100LRCT-ND	1	+				+
TEST_POINT	DVDD		DVDD	FERRITE CHIP BEAD 30 OHM SMD	-	Digi-Key			1			+	1
FB0805	BLM21PG300SN1D	BLM21PG300SN1D	FB1, FB2	100MHz 4A 14mOhm DCR 0805 T/R	2	Digi-Key	490-1052-1-ND	1	1			1	1
TEST_POINT	TEST_POINT8	TEST_POINT	GATE2	CONN USB TYPE-C_ USB 3.1 _USB	1	Digi-Key	311-100LRCT-ND						
USB_TYPE_C1	USB_Type_C	2129691-1	J3	3.1 Gen 2, Superspeed+_ Receptacle Connector 24 Position Surface Mount, Right Angle; Through Hole	1	Digi-Key	A122008CT-ND						
HDR_1X3_2.5mm	HDR 1X3	IL-G-3P-S3T2-SA	J4	CONN HEADER VERT 3POS 2.5MM	1	Digi-Key	670-2541-ND						
USB_Type_A	USB_Type A	67643-0910	J5	CONN USB TYPE A 4POS R/A	1	Digi-Key	WM4993-ND						
Hdr_1x3_2.54mm	HDR 1x3	68000-103HLF	JP1	CONN HEADER 3POS .100 STR 15AU	1	Digi-Key	609-3461-ND						
IND_NON_STAND2X5.6_12.8P	4.6UH	ETQ-P6F4R6HFA	L1	FIXED IND 4.6UH 9.3A 6.48 MOHM	1	Quest	ETQ-P6F4R6HFA						
IND_NON_STAND2.6X8.2_2.8P	1UH/7.8A	SRN8040-1R0Y	L2	FIXED IND 1UH 7.8A 10 MOHM SMD MOSFET Tranistor P-CH 30V 9A 8-Pin	1	Digi-Key	SRN8040-1R0YCT-ND						
ECH08310	MOSFET Transistor P-CH		Q1, Q2, Q3, Q6	ECH T/R MOSFET Transistor N-Channel Single	4	Digi-Key Rochester	ECH8310-TL-HOSCT-ND						
WDFN8	NTTFS4H05NTAG	NTTFS4H05NTAG	Q4, Q5	Power 25V, 94A, 3.3mΩ	2	Electronics	NTTFS4H05NTAG						
R0402 R0402	100k 510K	RC0805FR-07100KL CPF0603B510KE1	R1, R3, R22, R44 R2, R37	RES SMD 100K OHM 1% 1/16W 0402 RES SMD 510K OHM 5% 1/16W 0402	4	Digi-Key Digi-Key	311-100KLRCT-ND YAG3305CT-ND						
R0402	OR OR	RC0805JR-070RL	R4. R5	RES SMD 0 OHM JUMPER 1/16W 0402	2	Digi-Key Digi-Key	311-0 0.IRCT-ND						
R0402	10m	CSRF0603FT10L0	,	RES 0.01 OHM 1% 1/5W 0402	4		P19181CT-ND						
				RES SMD 680 OHM 1% 1/16W 0402		Digi-Key						+	
R0402	680R	CRGCQ0805F680R	R8, R9 R10, R18, R20,	SMD	2	Digi-Key	A129625CT-ND						
R0402	100R	RC0402FR-07100RL	R21, R23, R30, R31, R33	RES SMD 100 OHM 1% 1/16W 0402	8								
R0402	1k	RC0805FR-071KL	R11, R12	RES SMD 1K OHM 1% 1/16W 0402	2	Digi-Key	311-1.00KLRCT-ND						
R0402	10k	RC0805FR-0710KL	R13, R19, R35, R36	RES SMD 10K OHM 1% 1/16W 0402	4	Digi-Key	311-10.0KLRCT-ND						
R0402	20mR	WSL0603R0200FEA18	R14, R25	RES 0.02 OHM 1% 1/16W 0402	2	Digi-Key	YAG6081CT-ND						
R0402	2.2K	ERJ-3GEYJ222V	R17 R24, R27, R28,	RES SMD 2.2K OHM 1% 1/16W 0402	1	Digi-Key	311-2.20KLRCT-ND						
R0402	51K	ERA-2AEB513X	R24, R27, R28, R29	RES SMD 51K OHM 0.1% 1/16W 0402	4	Digi-Key	P51KDCCT-ND						
R0402	82K	RC0603JR-0782KL	R26	RES SMD 82K OHM 1% 1/16W 0402	1	Digi-Key	A129650CT-ND						
R0402	910K	CPF0603B910KE1	R32	RES SMD 910K OHM 5% 1/16W 0402	1	Digi-Key	YAG3319CT-ND	1	+				+
R0402	180K	CRGCQ0603F180K	R34 R38, R39, R40,	RES SMD 180K OHM 1% 1/16W 0402		Digi-Key	A129654CT-ND	+					
R0402	330R	ERJ3EKF3300V	R41	RES SMD 330 OHM 1% 1/16W 0402	4	Digi-Key	311-330LRCT-ND	1					
R0402	47K	ERJ-PB3D4702V	R42	RES SMD 47K OHM 0.1% 1/16W 0402	1	Digi-Key	P47KDCCT-ND						
R0402	768K	CRCW0402768KFKED	R43	RES SMD 768K OHM 1% 1/8W 0402	1	Digi-Key	541-768KLCT-ND		1			1	1
TEST_POINT	RESET	TEST_POINT	RESET	[1005 Metric] 50 V	1	Digi-Key	311-100LRCT-ND						
NTC_50	THERMISTOR RL0503- 5820-97-MS	RL0503-5820-97-MS	RT1	THERMISTOR NTC 10KOHM BEAD	1	Digi-Key	KC003T-ND						
TEST_POINT	TEST_POINT2	TEST_POINT	SENV2+		1	Digi-Key	311-100LRCT-ND						
TEST_POINT	TEST_POINT7	TEST_POINT	SENV-	<del> </del>	1	Digi-Key	311-100LRCT-ND	+					
DIP4_PushButton2	EVQ-PF206K	EVQ-PF206K	SW1	SWITCH TACTILE SPST-NO 0.02A 15V	1	Avnet	EVQ-PF206K						
WDFN6 2.6x4.0, 0.65P	BATT PROTECTION	LC05111C02MTTTG	U1, U2	BATT PROTECTION LI-ION 6WDFN Power Bank Controller, USB Type-C &	2	Digi-Key	LC05111C02MTTTGOSCT-ND	+			-		
QFN52_6x6_0.4P	Power Bank Controller	LC709511FQD-A00TWG	U3	Quick Charge™ 3.0, for 1-Cell Li-Ion and Li-Poly Battery	1	Digi-Key	LC709511FQD-A00TWG-ND						
VQFN-HR	boost converter	TPS61022RWUR	U4	boost converter 8-A with 0.5-V ultra-low input voltage 7-VQFN-HR -40 to 125	1	Arrow Electronics	TPS61022RWUR						
TEST_POINT	TEST_POINT9	TEST_POINT	USB2-	, , , , , , , , , , , , , , , , , , , ,	1	Digi-Key	311-100LRCT-ND						
TEST_POINT	TEST_POINT3	TEST_POINT	VB2DET		1	Digi-Key	311-100LRCT-ND						
TEST_POINT	TEST_POINT6	TEST_POINT	VBUS2		1	Digi-Key	311-100LRCT-ND	-				_	+
TEST_POINT TEST_POINT	VBUS1 2NDBOOST	TEST_POINT TEST_POINT	VBUS_C Vout	+	1	Digi-Key Digi-Key	311-100LRCT-ND 311-100LRCT-ND	+	+			+	+
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