





Bill of Materials

<Parameter Title not found>

 Source Data From:
 RuggedBatteryPackV3.PrjPcb

 Project:
 RuggedBatteryPackV3.PrjPcb

 Variant:
 None

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Footprint	Comment	LibRef	Designator	Description	Quantity
CAPC0805(2 012)145_L	1uF 50V	CMP-1036- 04761-1	C1, C9	CAP 1uF 50V ±10% 0805 (2012 Metric) Thickness 1.45mm SMD	2
1206	10uF 35V	CMP-1038-	C2, C3, C4, C5, C10, C11, C12, C13, C18	CAP 10uF 35V ±20% 1210 (3225 Metric)	9
CAPC0805(2	CAP 1uF 50V	02235-1 CMP-1036-	C6, C7, C8, C20	Thickness 2.1mm SMD CAP 1uF 50V ±10% 0805 (2012 Metric)	4
012)145_L	CAP 100nF	04761-1	C14 C15 C10 C21 C22 C22 C24	Thickness 1.45mm SMD	7
0603		CMP-1035- 02584-1	C14, C15, C19, C21, C22, C23, C24	CAP 100nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD	,
0603	CAP 22pF	CMP-1035- 02584-1	C16, C17	CAP 100nF 50V ±10% 0603 (1608 Metric) Thickness 1mm SMD	2
Capacitor D	330uF 6.3V	Capacitor Tantal	C25	T491D226K035AT capacitror	1
case 1206	22uF 10V	CMP-1038-	C26, C27, C28	CAP 10uF 35V ±20% 1210 (3225 Metric)	3
		02235-1	C20, C24	Thickness 2.1mm SMD	2
RESC2012X0 6N	1uF	CMP-1038- 02235-1	C29, C31	CAP 10uF 35V ±20% 1210 (3225 Metric) Thickness 2.1mm SMD	2
RESC2012X0 6N	10uF	CMP-1038- 02235-1	C30	CAP 10uF 35V ±20% 1210 (3225 Metric) Thickness 2.1mm SMD	1
MKDSN 2,5/	PowerScrewTer	PowerScrewTer	Conn1	mickiess 2. min swid	1
2-5,08 and powercon	minal	minal			
MKDSN 2,5/	PowerScrewTer	PowerScrewTer	Conn2		1
2-5,08 PowerFLAT-	minal STPS1045DEE	minal Rectifier_diode	D1, D4	Diode rectifier STPS1045DEE	2
3.3x3.3-8		_			
SMB SOT23	TVS diode SS24T3G	TVS diode Schottky diode	D2 D3	TVS bidirectional diode Schottky diode	1
0603 DIOMELF351	LED	LED	D5, D6, D8, D9 D7	LED diode	4
7N	3.60	Zener	Dr.	Zener 3.6V	
FUSE CLIP 3550	5A	Fuse	F1	1A fuse	1
1210	PTC 2.5A	Fuse	F2	1A fuse	1
XAL1010- coilcraft	1010-103ME	Inductor XAL7070-	L1	Coilcraft XAL	1
		332MEC	10	0 7 4 141	
XAL7070-332	1010-103ME	Inductor XAL7070-	L2	Coilcraft XAL	1
1100416		332MEC			
HDR1X6 HDR1X4	Header 6 Header 4	Header 6 Header 4	P1 P2, P4	Header, 6-Pin Header, 4-Pin	1 2
HDR1X2 USB A THT	Header 2	Header 2 USB	P3	Header, 2-Pin	1
8-188275-0	USB PoKeys	1-215079-0	P5, P6 PoExtensionIn1	USB A standard receptacle Micro-Match female PCB connector 10	2 1
RESC0603(1	extention pad 2R2	CMP-1012-	R1, R6	Positions THT 100R 0.1W 5% 0603 (1608 Metric) SMD	2
608)_L		00026-1	IVI, IVO	Took 6.1W 5% 5555 (1666 Methe) GMB	-
RESC0603(1 608)_L	10k	CMP-1012- 00026-1	R2, R3, R21, R22	10R 0.1W 5% 0603 (1608 Metric) SMD	4
RESC0603(1	100k	CMP-1012-	R4, R11, R14, R15, R18, R24, R31, R32,	10R 0.1W 5% 0603 (1608 Metric) SMD,	12
608)_L		00026-1	R33, R34, R39, R40	1k 0.1W 5% 0603 (1608 Metric) SMD, 1k 0.1W 5% 0603 (1608 Metric) SMD, 10R	
				0.1W 5% 0603 (1608 Metric) SMD, 10R	
				0.1W 5% 0603 (1608 Metric) SMD, 10R 0.1W 5% 0603 (1608 Metric) SMD, 10R	
				0.1W 5% 0603 (1608 Metric) SMD, 10R	
				0.1W 5% 0603 (1608 Metric) SMD, 10R 0.1W 5% 0603 (1608 Metric) SMD, 1k	
				0.1W 5% 0603 (1608 Metric) SMD, 1k 0.1W 5% 0603 (1608 Metric) SMD, 1k	
				0.1W 5% 0603 (1608 Metric) SMD	
RESC0603(1 608)_L	100R	CMP-1012- 00026-1	R5	100R 0.1W 5% 0603 (1608 Metric) SMD	1
RESC0603(1	150k	CMP-1012-	R7, R9, R35, R36	10R 0.1W 5% 0603 (1608 Metric) SMD,	4
608)_L		00026-1		100k 0.1W 5% 0603 (1608 Metric) SMD, 1k 0.1W 5% 0603 (1608 Metric) SMD, 1k	
				0.1W 5% 0603 (1608 Metric) SMD	
RESC2512(6 432)_M	2512(6432)	CMP-1018- 00510-1	R8	0R004 1W 1% 2512 (6432 Metric) SMD	1
RESC0603(1	270k	CMP-1012-	R10, R38	1k 0.1W 5% 0603 (1608 Metric) SMD	2
	10R	00026-1 CMP-1012-	R12	10R 0.1W 5% 0603 (1608 Metric) SMD	1
608)_L RESC0603(1	50k	00026-1 CMP-1012-	R13		
608)_L		00026-1		100k 0.1W 5% 0603 (1608 Metric) SMD	1
RESC0603(1 608)_L	1k	CMP-1012- 00026-1	R16, R17, R26, R27	1k 0.1W 5% 0603 (1608 Metric) SMD, 1k 0.1W 5% 0603 (1608 Metric) SMD, 10R	4
-50 <u>/_</u> L		20020-1		0.1W 5% 0603 (1608 Metric) SMD, 10R	
RESC0603(1	o	CMP-1012-	R19, R25, R37	0.1W 5% 0603 (1608 Metric) SMD 100R 0.1W 5% 0603 (1608 Metric) SMD,	3
608)_L		00026-1	, .	10R 0.1W 5% 0603 (1608 Metric) SMD,	3
RESC0603(1	100	CMP-1012-	R20	1k 0.1W 5% 0603 (1608 Metric) SMD 10R 0.1W 5% 0603 (1608 Metric) SMD	1
608)_L		00026-1	R23		
608)_L	470k	CMP-1012- 00026-1		10R 0.1W 5% 0603 (1608 Metric) SMD	1
RESC0603(1 608)_L	1M	CMP-1012- 00026-1	R28, R29, R30	10R 0.1W 5% 0603 (1608 Metric) SMD	3
PowerPAK	Si7288DP	Si7288DP	T1	Vishay Siliconix Si7288DP New Product	1
SO-8				Document Number: 65366 S09-2113-Rev. A, 12-Oct-09 www.vishay.com 1 Dual N-	
				Channel 40-V (D-S) MOSFET	
SuperSOT-6	FDC637BNZ MOSFET-N	FDC637BNZ MOSFET-N	T2	FDC637BNZ 5A	1
RVA16-	BQ24650RVAT	CMP-0321-	U1	High Efficiency Synchronous Switch-Mode	1
2140X2140TP		00203-1		Charger Controller- Solar Battery Charger, 5 V, -40 to 85 degC, 16-pin VQFN (RVA),	
DON COTOS	INIA 240 DON	INIA 240 DON	U2	Green (RoHS & no Sb/Br)	
DCN-SOT23- 8	INA219 DCN	INA219 DCN	02		
SC70-LT5_M	MCP4019T- 503E/LT	CMP-0188-	U3	7-Bit Single I2C Digital POT with Volatile Memory, 5-pin SC70, Extended	1
		00765-2		Temperature, Tape and Reel	
PW020 PWP	MSP430G2553 TPS6103x	MSP430G2553 TPS6103x	U4 U5	MSP430G2553 TPS6103x step-up regulator	1
					100
Approved		Notes			
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