## **Component List / BOM Archive**

 Project:
 Summits 7

 Version:
 RTM 1.0

 Report Date:
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	Designator	Name/Value	Description	Package / Case	Importance*	* Quantity	Manufacturer	Supplier 1			Alternative Supplier		
#								Name	Part Number	Link Part	Name	Part Number	Link Part
1, 11	Ca1, Ce1	10uF	Capac Ceramic SMD	0603		2	-	-	-	-	-	-	-
2, 8, 12	Ca2, Cc2, Ce2	100nF	Capac Ceramic SMD	0603		3	-	-	-	-	-	-	-
3, 5, 6, 9	Cb1, Cb3, Cbus, Cc3	22uF	Capac Ceramic SMD	1210		4	-	-	-	-	-	-	-
4	Cb2	1uF	Capac Ceramic SMD	0603		1	-	-	-	-	-	-	-
7	Cc1	22uF	Capac Ceramic SMD	0603		1	-	-	-	-	-	-	-
10	Cd1	4.7uF	Capac Ceramic SMD	0603		1	-	-	-	-	-	-	-
20, 21, 28	Ra1, Ra3, Re1	5.6K	Resistor SMD	0603		3	-	-	-	-	-	-	-
22	Rb1	40.2K	Resistor SMD	0603		1	-	-	-	-	-	-	-
23	Rb2	7.68K	Resistor SMD	0603		1	-	-	-	-	-	-	-
24	Rb3	59K	Resistor SMD	0603		1	-	-	-	-	-	-	-
26, 27	Rd1, Rd2	10K	Resistor SMD	0603		2	-	-	-	-	-	-	-
29	Rq1	1K	Resistor SMD	0603		1	-	-	-	-	-	-	-
30	Rq2	226	Resistor SMD	0603		1	-	-	-	-	-	-	-
25	RcS	ERJ-6BWFR010V	Shunt 0.01 Ohm 0.5W 1% SMD Resistor	0805	Important Good Quality, at least 0.5W	1	Panasonic	Mouser	667-ERJ- 6BWFR010V	Link Mouser	Digikey	P.01AQTR-ND	Link Digikey
18	Lb	SRN5040-6R8M	Inductor 6.8uH 2.3A	Non Standard	Important Good Quality, 6.8uH Value, at least 2.3A	1	Bourns	Mouser	652-SRN5040- 6R8M	Link Mouser	Digikey	SRN5040-6R8MCT- ND	Link Digikey
14	J_Jumper	M50-3530242	1.27mm Pin Header 2x1	1.27mm Header		1	HARWIN	Mouser	855-M50-3530242	Link Mouser	-	-	-
16	J_UART	M50-3530442	1.27mm Pin Header 4x1	1.27mm Header		1	HARWIN	Mouser	855-M50-3530442	Link Mouser	-	-	-
17	J_USB	CQ-USB-AFFS90	Conector del USB CQ- USB-AFFS90	-		1	Shenzhen Chuangqin Technology	Alibaba	-	Link Alibaba	-	-	-
13	D_LED	OVLGC0C6B9	LED Green-Blue 505nm	T-1¾		1	Optek / TT Electronics	Mouser	828-OVLGC0C6B9	Link Mouser	Digikey	365-1185-ND	Link Digikey
19	Q1	BC817	Transistor NPN. Leave 2.5mm height from PCB	SOT-23-3		1	Diodes	Mouser	621-BC817-40W-7	Link Mouser	Digikey	BC817-40W-7	Link Digikey
31	U1	ESP07 Module with Antenna Ai-Thinker	ESP07 Module with Antenna Ai-Thinker	-		1	Ai-Thinker	Alibaba	-	Link Alibaba	It can be easily found with others Alibaba sellers		
32	U2	AP65111AWU-7	Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 1.5A SOT-23-6 Thin, TSOT-23-6	TSOT-23-6		1	Diodes	Mouser	621-AP65111AWU- 7	Link Mouser	Digikey	AP65111AWU- 7DICT-ND	Link Digikey
33	U3	LT1117IST-3.3	LDO Regulator Pos 3.3V 0.8A Automotive 4-Pin_3+Tab_ SOT-223 Tube	SOT-223		1	Texas Instruments	Mouser	926-LM1117MPX3. 3NOPB	Link Mouser	Digikey	LM1117MPX-3.3 /NOPBCT-ND	Link Digikey
34	U4	INA219BIDCNR	Current Monitor Regulator High-Side 10mA SOT-23-8	SOT-23-8		1	Texas Instruments	Mouser	595-INA219BIDCNR	Link Mouser	Digikey	296-46420-1-ND	Link Digikey

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35	U5	VEML6030	Optical Ambiental Light Sensor I2C with Interrupt	Surface-mount (not detailed in datasheet)		1	Vishay	Mouser	78-VEML6030	Link Mouser	-	-	-
36	U6	24CW1280T-I/OT	EEPROM 128K I2C	SOT-23-5		1	Microchip	Mouser	579-24CW1280T- I/OT	Link Mouser	Digikey	24CW1280T- I/OTCT-ND	Link Digikey
15	J_Solar	Connx2_Panel	No component										
*Importance: Refers to the			This is a critical device and value should not be exchanged for obtaining this device, please	any device. In ca	ise of not								
importance of	of using the designated and not a default		If possible, use the supplied in obtaining it, you can use a characteristics, but as long a datasheet where its paramet	nother one with s is the device has	imilar a complete								
			This is a regular device and suits you.	you can choose th	ne device that								