Line#	Name TYPE_C	Description	Designator .2	Quartity 1	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
32	Lora	-140dBm 20dBm SPI SMD-16P LoRa	LIZ	1							
		Modules ROHS -300mV-8V									
33	DW01A	Lithium- ion/Polymer 1 SOT- 23-6 Battery Management ROHS	us	1							
20	OR 1%	0 Ohms ±1% 0.125W, 1/8W Ohip Resistor 0805 (2012 Metric) Anti- Sulfur Thick Film		2							
2	0.1uF50V	0.1 µF±10%50V Ceramic Capacitor V7P0905 /2012	C2, C4, O5, O6, C7, C8, C9, C12, C15,	10							
29	VDG-02HG-R	Matric) 1 Digit 24V2SmA Red 5 Thousand Times Flat Toggle,	C16 SW2	1							
	9MQS01RTP	Raised Style DIP Switches ROHS 1 Digit 24V25mA Red 5 Thousand	9//3								
90	SMOSOTRIP	Times Flat Toggle, Reised Style DIP Switches ROHS 1 kOhms ±1% 0.125W, 1/8W		,							
н	1k 1%	Chip Resistor 0805 (2012 Matric) Automotive AEC- Q200 Thick Film 1.2 MCNows +1%	R6, R11, R14, R15	4							
27	1.2k1%	1.2 kOhms±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Matric) Automotive ABC- 0200 Thick Film	R17	1							
19	1.5K1%	1.5 kOhms±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Matric) Automotive AEC- Q200 Thick Film	R1, R3, R5	3							
17	2.2uH4.5A	4.5A.2.2uH Integrated molded inductor ±20%.5A SMD,0420 Power	12	1							
15	5.1K1%	Inductors ROHS 5.1 I/Ohms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Matric) Automotive AEC-	R12, R13	2							
36	8MHz	Q200 Thick Film 8MHz Surface Mount Crystal 18pF ±30ppm 9MD5032 Crystals RCHS	γı	1							
22	10K1%	Automotive ABC-	R7, R6	2							
1	10uF29V	Q200 Thick Film 10uF25V 15mA@120Hz ±20% SMD,D4xL5.4mm Aluminum Bectrolysic	C1, C3, C14	3							
		Bectrolytic Capacitors - SMD ROHS 20pF±10%50V Caramic Capacitor X7R0805 (2012									
-	20pF50V	20mA350mcd	C10, C11	2							
3	RED	2.2V 0805 LED Indication - Discrete ROHS 22 JF + 20% L10V	D3, D6	2							
5	22uF10V	Ceramic Capacitor X7R1206(3216 Matric)	C17, C18	2							
_	22pF50V	00G, NP00806 (2012 Metric) 22.1 kOhms±1%	C13	1							
26	22.1K1%	0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC- Q200 Thick Film 30V5.8A	R16	1							
18	A03400	21mDB10V,5.8A 1.4W1VB250uA1 N-Channel SOT-23 MOSPETs ROHS 40 Position	Q1, Q2	2							
13	Jumper	Receptacle Connector 0.100° (2.54mm) Through Hole	л	1							
10	40V5A	40VIndependent Type 550mV(\$5.0A 5ASMA(DO- 214AC) Schottky Diodes ROHS 100kOhms±1%	D6	1							
04	100K1%	0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC- Q200 Thick Film	Rio	1							
23	100R1%	100 Ohms ±1% 0.125W, 1/8W Chip Resistor 0805 (2012 Metric) Automotive AEC-	R9	1							
16	BLM21	Q200 Thick Film 120 Chms @ 100 MHz1 Power Line Ferrite Bead 0805 (2012 Metric) 1.55A30m/Chm ARMIContesi@M3	Li	1							
81	STM82F103C8T6	STM32F1 Microcontroller IC 32-Bit Single-Core 72MHz64KB/64Kx	ы	1							
5	18650	8) FLASH Battery box 18650 SMD Button And Strip Battery Connector ROHS Blue 470nm LED	.B	1							
	BLUE	Indication - Discrete 3.3V0805 (2012 Metric) Connector Header	D4	1							
1	Header 1x4	Connector Header 4 position ESOP-8 Battery	H1, H2	2							
14	TP4056	ESOP-8 Battery Management	U4	1							
	GREEN	Management ROHS Green 570nm LED Indication - Discrete 2.1 V0805		1							
,	ORANGE	(2012 Matric) Orange 601 nm LED Indication - Discrete 2.1 V 0805 (2012 Matric)	D2	1							
12	S18089AAAC	(2012 Metric) Step-down type 2A 2.7V-5.5V SOT-23- 5 DC-DC	IC1	1							
18	Switch	Converters ROHS Tactile Switch SPST-NO Top Actuated Surface	SW1	1							
	1	Actuated Surface Mount	l "		l		1		1	1	l