

		Qty												
Item	Part	V1_ UART	Component Type	Value & Ref	Specification	Package & Dimension	Manufacturer1	Manufacturer1 Part Number	Manufacturer2	Manufacturer2 Part Number	Manufacturer3	Manufacturer3 Part Number	Manufacturer4	Manufacturer4 Part Number
1	U1	1	Regulator	LP2985	LDO regulator 3.0V	SOT23-5	Microchip	TC1015-3.0VCT713	Texas Instruments	LP2985-30DBVR				
2	U2	1	Miscellaneous	CC2541	Bluetooth Low Energy Transceiver	VOFN40	Texas Instruments	CC2541F256RHAR						
3	U3	1	Miscellaneous	MCP111	Voltage detector 1,9V	SC-70	MICROCHIP	MCP111T-195ILB						
6	J3	1	Connector	BM06	CMS connector 6 pts 1mm pitch - Top entry	SMD	JST	BM06B-SRSS-TB						
8	J4	1	Connector	BM02	CMS connector 2 pts 1mm pitch - Top entry	SMD	JST	BM02B-SRSS-TB						
12	B1	1	Miscellaneous	2450BM15A0002	2450 MHz Impedance-Matched-Balun and integrated LPF	2*1,25mm	Johanson Technology	2450BM15A0002						
13	X1	1	Quartz	FA-128	Quartz 32MHz / 10ppm / 10pF / -40°C + 85°C / SMD	2*1,6mm	EPSON TOYOCOM	FA-128						
14	X2	1	Quartz	FC-135	Quartz 32,768kHz / 20ppm / 12,5pF / -40°C +85°C / SMD	3,2*1,5mm	EPSON TOYOCOM	FC-135						
16	L1	1	Miscellaneous	1k0	Chip Ferrite Bead for GHz Noise	0402	MURATA	BLM1SHG102SN1D						
17	L2	1	Inductor	4,7nH	Inductor - 0,3A - +/-0,3nH	0402	MURATA	LOG19HS4N7502						
18	Q2	1	Transistor	BC847B	NPN Transistor 100mA 45V BC847-B	SOT23	xx	xx						
19	C3, C16	2	Ceramic capacitor	1µF	Capacitor X5R/X7R / +/-10% / 6,3V	0402	MURATA	GRM155R60J105KE19D						
20	C7, C8, C9, C11, C4	5	Ceramic capacitor	100nF	Capacitor X5R/X7R / +/-10% / 6,3V	0402	MURATA	GRM155R71A104KA01D						
21	C10	1	Ceramic capacitor	220pF	Capacitor NP0 / + - 5% / 50V	0402	MURATA	GRM1555C1H221JA01D						
22	C14, C15	2	Ceramic capacitor	12pF	Capacitor NP0 / +/- 5% / 50V	0402	MURATA	GRM1555C1H120JZ01D						
23	C21, C22	2	Ceramic capacitor	15pF	Capacitor NP0 / +/- 5% / 50V	0402	MURATA	GRM1555C1H150JZ01D						
24	C2	1	Ceramic capacitor	10µF	Capacitor X7R-X5R / 20% / 6,3V	0603	xx	xx						
25	C5	1	Ceramic capacitor	2,2µF	Capacitor X5R-X7R / 10% / 16V	0603	MURATA	GRM188R61C225KE15D						
26	C6	1	Ceramic capacitor	10nF	Capacitor X5R-X7R / 10% / >= 10V	0402	xx	xx						
27	C23	1	Ceramic capacitor	1,6pF	Capacitor 50V - COG - +/- 0,1pF	0402	MURATA	GMR1555C1H16BZ01D						
28	C1	1	Ceramic capacitor	2,2µF	Capacitor X5R/X7R / +/-20% / 6,3V	0402	MURATA	GRM155R60J225ME95D						
29	C12	1	Ceramic capacitor	100pF	Capacitor 50V - X7R +/- 10%	0402	xx	xx						
30	C18	1	Ceramic capacitor	100pF	Capacitor 50V - X7R +/- 10%	0402	xx	xx						
35	C17	1	Ceramic capacitor	1nF	Capacitor 50V - X7R +/- 10%	0402	xx	xx						
36	R12	1	Jumper	0Ω	Jumper	0402	xx	xx						
38	R2	1	Resistor	100Ω	Resistor 100Ω 5%	0402	xx	xx						
39	R20	1	Resistor	100Ω	Resistor 100Ω 5%	0402	xx	xx						
46	R11	1	Resistor	56kΩ	Resistor 56kΩ 1%	0402	xx	xx						
49	R10	1	Resistor	2,2kΩ	Resistor 2,2kΩ 5%	0402	xx	xx						
50	R3	1	Resistor	4,7kΩ	Resistor 4,7kΩ 5%	0402	xx	xx						
52	R8	1	Resistor	4,7kΩ	Resistor 4,7kΩ 5%	0402	xx	xx						
54	R9	1	Resistor	470Ω	Resistor 470Ω 5%	0603	xx	xx						
55	R17	1	Resistor	3,9kΩ	Resistor 3,9kΩ 5%	0402	xx	xx						
56	R21	1	Resistor	47kΩ	Resistor 47kΩ 1%	0402	xx	xx						
58	R23	1	Resistor	47kΩ	Resistor 47kΩ 1%	0402	xx	xx						
61		1	PCB	PE177-C	4 layers FR4 S1141									