



Bill of Materials for the RSL10-USB001GEVK Evaluation Board

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer	Manufacturer Part Number	Substitution Allowed	Lead Free
C1, C4, C11	3	Capacitor	4u7		1005/0402	AVX	0402YD475MAT2A	Yes	Yes
C2, C3, C12	3	Capacitor	100n		1005/0402	Murata Electronics	GCM155R71C104KA55D	Yes	Yes
C5, C6	2	Capacitor 0402	1.5pF		0402	Murata	GJM1555C1H1R5BB01D	Yes	Yes
C8	1	Capacitor	4u7		1608/0603	Murata	GRM188R61A475KE15D	Yes	Yes
C9	1	Capacitor 0402	2.0pF		0402	Murata	GJM1555C1H2R0BB01D	Yes	Yes
C10, C21, C22	3	Capacitor 0402	1.0uF		0402	Murata	GRM155R70J105KA12D	Yes	Yes
C13	1	Capacitor	100p		1005/0402	Murata Electronics	GRM1555C1H101JA01D	Yes	Yes
C19	1	Capacitor	2u2		1005/0402	Taiyo Yuden	AMK105BJ225MV-F	Yes	Yes
D1	1	ESD Diode, 4x, 5V	ESD7004MUTAG		UDFN-10	ON Semiconductor	ESD7004MUTAG	No	Yes
IC1	1	USB to UART bridge	CP2102N-A01-GQFN20		QFN-20	Silabs	CP2102N-A01-GQFN20	Yes	Yes
IC2	1	BLE Transceiver	RSL10 QFN		QFN.40	ON Semiconductor	RSL10 QFN	No	Yes
L1	1	Inductor 0603	2.2uH		1608/0603	Taiyo Yuden	CBMF1608T2R2M	Yes	Yes
L2	1	Inductor 0402	1.8nH		0402	Murata	LQG15HS1N8S02D	Yes	Yes
L3	1	Inductor 0402	3nH		0402	Murata	LQG15HS3N0S02D	Yes	Yes
LD1	1	Bicolour LED, Blue / Red	Blue / Red			Kingbright	APHB1608LVBDSEKJ3C	Yes	Yes
Q1	1	Crystal 48MHz	48MHz		1612	IQD	LFXTAL069528	Yes	Yes
Q2	1	Crystal 32.768kHz	32.768 kHz		2012	Epson	FC-12M 32,768kHz 12,5pF 20ppm	Yes	Yes
R1, R6	2	Resistor	1k0		1005/0402	KOA Speer	RK73H1ETTP1001F	Yes	Yes
R2	1	Resistor 0402	0R		0402	KOA Speer	RK73Z1ETTP	Yes	Yes
R3	1	Resistor	680R		1005/0402	KOA Speer	RK73H1ETTP6800F	Yes	Yes
R4	1	Resistor	330R		1005/0402	KOA Speer	RK73H1ETTP3300F	Yes	Yes
R5	1	Resistor	10k		1005/0402	KOA Speer	RK73H1ETTP1002F	Yes	Yes
R7	1	Resistor	12R		1005/0402	KOA Speer	RK73H1ETTP12R0F	Yes	Yes