



Bill of Materials for the RSL10-COIN-GEVB Evaluation Board

Description	Designator	LibRef	Quantity	SourceLibraryName	Comment	Manufacturer	Manufacturer Part Number
PCB trace antenna 2.4GHz for the RSL10 IC based on the RSL10	ANT1	Antenna snake shape	1	antennas.SVNDbLib	2.4GHz	N/A	Antenna snake shape
Coin cell battery 3.0V 220mAh 20.0x3.2mm non-rechargeable	BAT1	-	1	specials.SVNDbLib	Coin cell battery 3V 220mAh 20.0x3.2mm non-rechargeable	-	-
PTH battery holder 20mm diameter 0.2mm material thickness	BH1	-	1	connectors.SVNDbLib	battery holder	-	-
MLC capacitor 1µF 35V X5R 10% Murata	C1, C5, C7	GRM155R6YA105KE11D	3	capacitors.SVNDbLib	1 µF	Murata	GRM155R6YA105KE11D
MLC capacitor 4µ7 10V X5R 20% Murata	C2	GRM155R61A475MEAAD	1	capacitors.SVNDbLib	4µ7	Murata	GRM155R61A475MEAAD
MLC capacitor 100nF 50V X7R 10% Murata	C3, C14	GRM155R71H104KE14D	2	capacitors.SVNDbLib	100 nF	Murata	GRM155R71H104KE14D
MLC capacitor 100pF 50V C0G 5% Murata	C4	GRM1555C1H101JA01D	1	capacitors.SVNDbLib	100 pF	Murata	GRM1555C1H101JA01D
MLC capacitor 4µ7 25V X5R 10% Murata	C6	GRM188R61E475KE15D	1	capacitors.SVNDbLib	4µ7	Murata	GRM188R61E475KE15D
MLC capacitor 2µ2 35V X5R 10% Murata	C8	GRM155R6YA225KE11D	1	capacitors.SVNDbLib	2µ2	Murata	GRM155R6YA225KE11D
MLCC capacitor 1.8pF 50V C0G ± 0.25pF Murata	C10	GRM1555C1H1R8CA01D	1	capacitors.SVNDbLib	1p8	Murata	GRM1555C1H1R8CA01D
MLC capacitor 1p5 50V C0G ±0.1pF Murata	C11, C12	GJM1555C1H1R5BB01D	2	capacitors.SVNDbLib	1p5	Murata	GJM1555C1H1R5BB01D
MLC capacitor 470nF 25V X5R 10% Murata	C13	GRM155R61E474KE01D	1	capacitors.SVNDbLib	470 nF	Murata	GRM155R61E474KE01D
1.6x0.8x0.65mm SMD green LED Kingbright	D1	APHD1608LCGCK	1	diodes.SVNDbLib	APHD1608LCGCK	Kingbright	APHD1608LCGCK
Wound Chip inductor 2µ2 0603 Taiyo Yuden	L1	CBMF1608T2R2M	1	inductors.SVNDbLib	2µ2	Taiyo Yuden	CBMF1608T2R2M
Multilayer RF inductor 1n 0402 Murata	L2	LQG15HS1N0C02D	1	inductors.SVNDbLib	1n	Murata	LQG15HS1N0C02D
Multilayer RF inductor 1n8 0402 Murata	L3	LQG15HS1N8S02D	1	inductors.SVNDbLib	1n8	Murata	LQG15HS1N8S02D
Multilayer RF inductor 3n 0402 Murata	L4	LQG15HS3N0S02D	1	inductors.SVNDbLib	3 nH	Murata	LQG15HS3N0S02D
PTH metal dome pushbutton top actuated 8mm CMD Manufact	PB1	BLT8-300-3.0	1	switches.SVNDbLib	BLT8-300-3.0	CMD Manufacture Co	BLT8-300-3.0
SMD thick film resistor 10k 0402 1% 100 mW Panasonic	R1, R7, R8	ERJ2RKF1002X	3	resistors.SVNDbLib	10k	Panasonic	ERJ2RKF1002X
SMD thick film resistor 100k 0402 1% 100 mW Panasonic	R2	ERJ2RKF1003X	1	resistors.SVNDbLib	100k	Panasonic	ERJ2RKF1003X
SMD thick film resistor 68R 0402 1% 100 mW Panasonic	R3, R4, R5	ERJ2RKF68R0X	3	resistors.SVNDbLib	68	Panasonic	ERJ2RKF68R0X
SMD thick film resistor 560R 0402 1% 100 mW Panasonic	R6	ERJ2RKF5600X	1	resistors.SVNDbLib	560	Panasonic	ERJ2RKF5600X
SMD thick film resistor 0R 0402 1A Panasonic	R10	ERJ2GE0R00X	1	resistors.SVNDbLib	0R	Panasonic	ERJ2GE0R00X
RSL10: Radio SoC, Bluetooth® 5 Certified IC ON Semiconductor	U1	NCH-RSL10-101Q48-ABG	1	ics.SVNDbLib	NCH-RSL10-101Q48-ABG	ON Semiconductor	NCH-RSL10-101Q48-ABG
Low-voltage digital temperature sensor I2C interface ON Semic	U2	N34TS108C6EXT5G	1	ics.SVNDbLib	N34TS108C6EXT5G	ON Semiconductor	N34TS108C6EXT5G
XTAL 32.768kHz 20ppm 12.5pF ECS Inc.	X1	FC-12M 32.7680KA-A5	1	oscillators.SVNDbLib	32.768 kHz 20ppm	ECS Inc.	FC-12M 32.7680KA-A5