

UWINLOC CONFIDENTIAL AND PROPRIETARY

Doc. Ref.: UWL18009US

Product: UTAG-V2.3-4GHz-RTV1523-US



Id	Designator	Comment	Footprint	Quantity
1	C102	4.7pF	C0402	1
2	C103	100pF	C0402	1
3	C104	100pF	C0402	1
4	C105	2.7pF	C0402	1
5	C106	2.7pF	C0402	1
6	C107	DNP	C0402	0
7	C201	100nF	C0402	1
8	C202	DNP	C0402	0
9	C203	DNP	C0402	0
10	C210	10nF	C0402	1
11	C300	100nF	C0603	1
12	C301	470nF	C0603	1
13	C305	1nF	C0603	1
14	C306	1uF	C0603	1
15	C307	1uF/25V	C0603	1
16	C308	1uF/25V	C0603	1
17	CBA1T	150nF	C1206	1
18	CBOOST	22uF	C0603	1
19	CBUCK	10uF	C0603	1
20	CHV	10uF	C0603	1
21	CLV	10uF	C0402	1
22	CSRC	10uF	C0603	1
23	D200	Red LED	C0603	1
24	L100	24nH	L0402	1
25	L101	24nH	L0402	1
26	L106	12nH	L0402	1
27	L107	12nH	L0402	1
28	LBOOST	10uH_PowerInductor	LPS4012_inductor	1
29	LBUCK	10uH	L0603_multilayer	1
30	R115	0R	R0402	1
31	R116	DNP	R0603	0
32	R117	0R	R0603	1
33	R118	DNP	R0603	0
34	R119	DNP	R0603	0
35	R120	DNP	R0603	0
36	R201	10K	R0603	1
37	R202	100R	R0603	1
38	R207	2K	R0603	1
39	R208	2K	R0603	1
40	R209	10K	R0603	1
41	R300	10K	R0603	1
42	R301	DNP	R0402	0
43	U100	AEM40940-10C_Rev1.1	28-QFN 5X5	1
44	U200	LPIC812M101JDH16FP	16TSSOP	1
45	U201	XO 25MHz	4-PADS Serie R2016 - CRYSTAL	1
46	U300	UWL_TX_002	16-QFN 4x4	1
47	U301	LD39015M125R	SOT23-5	1

1 Description	2 Part number 1	3 Manufacturer 1
CAP CER 4.7PF 50V NP0 0402	04025A4R7DAT2A	AVX Corporation
CAP CER 100PF 50V COG/NP0 0402	04025A101JAT2A	AVX Corporation
CAP CER 100PF 50V COG/NP0 0402	04025A101JAT2A	AVX Corporation
CAP CER 2.7PF 50V COG/NP0 0402	GRM1555C1H2R7CA01D	Murata Electronics North America
CAP CER 2.7PF 50V COG/NP0 0402	GRM1555C1H2R7CA01D	Murata Electronics North America
TBD	TBD	TBD
CAP CER 0.1UF 16V X7R 0402	GCM155R71C104KA55D	Murata Electronics North America
CAP CER 2.7PF 50V COG/NP0 0402	GRM1555C1H2R7BA01D	Murata Electronics North America
CAP CER 2.7PF 50V COG/NP0 0402	GRM1555C1H2R7BA01D	Murata Electronics North America
CAP CER 10000PF 50V X7R 0402	GRM155R71H103KA88D	Murata Electronics North America
CAP CER 0.1UF 16V X7R 0603	0603YC104KAT2A	AVX Corporation
CAP CER 0.47UF 16V X7R 0603	C1608X7R1C474K080AC	TDK Corporation
CAP CER 1000PF 50V X7R 0603	06035C102KAT2A	AVX Corporation
CAP CER 1UF 25V X7R 0603	C0603C105K3RACTU	KEMET
CAP CER 1UF 25V X7R 0603	C0603C105K3RACTU	KEMET
CAP CER 1UF 25V X7R 0603	C0603C105K3RACTU	KEMET
CAP CER 150UF 6.3V X5R 1206	GRM31CR60J157ME11L	Murata Electronics North America
CAP CER 22UF 10V X5R 0603	C1608X5R1A226M080AC	TDK Corporation
CAP CER 10UF 10V X5R 0603	GRM188R61A106ME69D	Murata Electronics North America
CAP CER 10UF 10V X5R 0603	GRM188R61A106ME69D	Murata Electronics North America
CAP CER 10UF 10V X5R 0402	CL05A106MPSNUB8	Samsung Electro-Mechanics America, Inc.
CAP CER 10UF 10V X5R 0603	GRM188R61A106ME69D	Murata Electronics North America
LED RED CLEAR 0603 SMD	150060SST5000	Wurth Electronics Inc.
FIXED IND 24NH 280MA 520 MOHM	LQW15AN24NG00D	Murata Electronics North America
FIXED IND 24NH 280MA 520 MOHM	LQW15AN24NG00D	Murata Electronics North America
FIXED IND 12NH 500MA 140 MOHM	LQW15AN12NG00D	Murata Electronics North America
FIXED IND 12NH 500MA 140 MOHM	LQW15AN12NG00D	Murata Electronics North America
Inducteurs fixes LPS4012 Low Profile 10uH 0.75A 20% SMD	LPS4012-103MRC	Coilcraft
Inductance haute fréquence CMS, Série MLZ, 10 µH, 250 mA, 0603 [1608 Metric], Multicouches	MLZ1608M100WT	TDK
RES SMD 0 OHM JUMPER 1/16W 0402	RC0402JR-070RL	Yageo
RES SMD 0.0OHM JUMPER 1/10W 0603	RC0603JR-070RL	Yageo
RES SMD 0.0OHM JUMPER 1/10W 0603	RC0603JR-070RL	Yageo
RES SMD 0.0OHM JUMPER 1/10W 0603	RC0603JR-070RL	Yageo
RES SMD 0.0OHM JUMPER 1/10W 0603	RC0603JR-070RL	Yageo
RES SMD 0.0OHM JUMPER 1/10W 0603	RC0603JR-070RL	Yageo
RES SMD 10K OHM 5% 1/10W 0603	RC0603JR-0710KL	Yageo
RES SMD 100 OHM 1% 1/10W 0603	RC0603FR-07100RL	Yageo
RES SMD 2K OHM 1% 1/10W 0603	RC0603FR-072KL	Yageo
RES SMD 2K OHM 1% 1/10W 0603	RC0603FR-072KL	Yageo
RES SMD 10K OHM 5% 1/10W 0603	RC0603JR-0710KL	Yageo
RES SMD 10K OHM 5% 1/10W 0603	RC0603JR-0710KL	Yageo
RES SMD 100 OHM 1% 1/16W 0402	RC0402FR-07100RL	Yageo
Ambient Energy Manager for RF input	AEM40940_10C_Rev1.1	E-Peas
IC MCU 32BIT 16KB FLASH 16TSSOP	LPIC812M101JDH16FP	NXP USA Inc.
Quartz 25.0MHz 2.0 x 1.6 x 0.5mm	LFXTAL069494Cut	IQD
4GHz & 8GHz UWB Pulse Generator	UWL_TX_002	Uwinloc-nSilicon
IC REG LIN 1.25V 150MA SOT23-5	LD39015M125R	STMicroelectronics

Layer	Center-X(mm)	Center-Y(mm)	Rotation
Top	122.85	106.575	0
Top	123.825	104.975	90
Top	121.85	104.975	90
Top	121.85	102.075	90
Top	124.7	103.5	0
Top	114.675	102.05	270
Top	131.625	130.2	270
Top	126.825	124.2	180
Top	126.625	127.75	0
Top	130.7	130.2	270
Top	134.775	110.175	90
Top	135.95	110.175	270
Top	138.725	110.15	270
Top	137.35	110.175	270
Top	133.8	105.625	90
Top	138.967	105.625	90
Top	120.6947	117.275	90
Top	129.625	110.5198	180
Top	128.275	116.675	180
Top	122.5197	118.175	90
Top	125.575	116.8	0
Top	126.75	103.65	90
Top	124.4	134.675	180
Top	123.825	108.2	270
Top	121.85	108.2	270
Top	120.925	103.5	180
Top	123.825	102.075	270
Top	128.55	107.375	270
Top	129.65	111.9	0
Top	116.1	101.175	0
Top	117.675	103	90
Top	118.75	101.1	0
Top	104.725	125.8	180
Top	108.225	125.8	180
Top	106.575	130.8	0
Top	123.5	124.6	180
Top	127.5	134.675	180
Top	123.5	126.025	180
Top	123.5	127.4	180
Top	130.725	135.125	90
Top	133.525	110.15	90
Top	134.625	113.05	0
Top	124.8805	113.1	180
Top	126.325	131.075	0
Top	126.7	125.95	270
Top	134.4	116.3625	270
Top	136.425	105.5198	270

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