

CC3100BOOST

Bill of Materials

Date : 23-Jan-2014

REL1

Rev 2.0 C

Item Num	Quantity	Part Refere	Value	Mfr_Name	Mfr_Part_Number	Description
1	1	C1	1.0pF	Murata Electronics North America	GJM1555C1H1R0BB01D	CAP CER 1PF 50V NPO 0402
2	1	C2	10pF	AVX Corporation	04025U100CAT2A	CAP CER 10PF 50V NPO 0402
3	2	C3 C4	6.2pF	Murata Electronics North America	GRM1555C1H6R2BA01D	CAP CER 6.2PF 50V NPO 0402
4	12	C5 C6 C7 C	0.1uF	Taiyo Yuden	LMK105BJ104KV-F	CAP CER 0.1UF 10V 10% X5R 0402
5	3	C8 C19 C24	10uF	Murata Electronics North America	GRM188R60J106ME47D	CAP CER 10UF 6.3V 20% X5R 0603
6	1	C9	1.0uF	Murata Electronics North America	GRM155R61A105ME15D	CAP CER 1UF 10V 20% X5R 0402
7	3	C11 C13 C1	4.7uF	Samsung Electro-Mechanics America, Inc	CL05A475MQ5NRNC	CAP CER 4.7UF 6.3V 20% X5R 0402
8	2	C15 C17	22uF	Taiyo Yuden	AMK107BBJ226MAHT	CAP CER 22UF 4V 20% X5R 0603
9	2	C25 C26	10pF	Murata Electronics North America	GRM1555C1H100FA01D	CAP CER 10PF 50V 1% NPO 0402
10	2	C28 C31	10uF	Murata	GRM21BR61A106KE19L	CAP CER 10UF 10V 10% X5R 0805
11	1	C29	15pF	Murata Electronics North America	GRM1555C1H150JA01D	CAP CER 15PF 50V 5% NPO 0402
12	1	C30	100 uF	Rohm	TCTAL0J107M8R	CAP 100UF 6.3V TANTALUM TEL SMD
13	1	D1	LED	OSRAM Opto Semiconductors Inc	LY Q976-P1S2-36	LED CHIPLED 587NM YLW 0603 SMD
14	1	D2	CD0603-B00340	Bourns Inc	CD0603-B00340	DIODE SCHOTTKY 40V 0.03A 0603
15	2	D3 D4		ON Semiconductor	MBR130T1G	DIODE SCHOTTKY 30V 1A SOD123
16	1	D5	LED	Lumex Opto/Components Inc.	SML-LX0603SRW-TR	LED SUPR RED DIFF 660NM SMD 0603
17	1	D6	LED	OSRAM Opto Semiconductors Inc	LG Q971-KN-1	LED CHIPLED 570NM GREEN 0603 SMD
18	1	E1	2.45GHz Ant	Taiyo Yuden	AH316M245001-T	ANT BLUETOOTH W-LAN ZIGBEE WIMAX
19	1	FL1	2.4GHz Filter	TDK-Epcos	DEA202450BT-1294C1	FILTER BANDPASS 2.45GHZ WLAN SMD
20	3	J1 J5 J6	HEADER_2	TE Connectivity	5-146285-2	CONN HEADR BRKWAY .100 2POS STR
21	1	J2	CONN_U.FL	Emerson Network Power Connectivity Johnson	128-0711-201	CONN UMC RCPT STR 50 OHM SMD
22	1	J3	RF SWITCH	Murata	MM8030-2610RJ3	CONN SWG JACK STR 50 OHM SMD
23	1	J4	HEADER_3X2	FCI	20021111-00006T4LF	CONN HEADER 6POS UNSHD VERT T/H
24	1	J7	CONN_MICRO_USB	FCI	10118194-0001LF	CONN USB MICRO B RECPT SMT R/A
25	1	J8	HEADER_3	TE Connectivity	5-146282-3	CONN HDR BRKWAY .100 3POS VERT
26	2	J9 J10	CONN_RCPT_10x2	Samtec	SSQ-110-03-G-D	CONN RCPT .100" 20POS DUAL GOLD
27	1	L1	3.6nH	Murata Electronics North America	LQP15MN3N6B02D	INDUCTOR 3.6NH 0.1NH 0402
28	2	L3 L5	2.2uH	Murata Electronics North America	LQM2HPN2R2MG0L	INDUCTOR 2.2UH 20% 1300MA 1008
29	1	L4	1uH	Murata	LQM2HPN1R0MJ0L	INDUCTOR POWER 1.0UH 1007
30	1	L6	10uH	TDK	MLZ2012M100W	INDUCTOR POWER 10UH 0805
31	2	L7 L8	BEAD_FERRITE	Laird-Signal Integrity Products	MI0805K400R-10	FERRITE 1.5A 40 OHM 0805 SMD
32	2	Q1 Q2	BSS138LT3G	On Semi	BSS138LT3G	MOSFET N-CH 50V 200MA SOT-23
33	3	R1 R47 R49	270	Panasonic Electronic Components	ERJ-3GEYJ271V	RES 270 OHM 1/10W 5% 0603 SMD
34	4	R2 R10 R12	10k	Yageo	RC0402JR-0710KL	RES 10K OHM 1/16W 5% 0402 SMD
35	2	R3 R48	100R	Panasonic - ECG	ERJ-2GEJ101X	RES 100 OHM 1/10W 5% 0402 SMD
36	18	R4 R5 R6 R8	0 R	Panasonic Electronic Components	ERJ-2GE0R00X	RES 0.0 OHM 1/10W JUMP 0402 SMD
37	4	R9 R17 R18	100k	Yageo	RC0402JR-07100KL	RES 100K OHM 1/16W 5% 0402 SMD

38	1	R13	3.3K	Panasonic - ECG	ERJ-2GEJ332X	RES 3.3K OHM 1/10W 5% 0402 SMD
39	2	R15 R44	1k	Yageo	RC0402JR-071KL	RES 1.0K OHM 1/16W 5% 0402 SMD
40	1	R22	1k	TE Connectivity	1-1622826-8	RES 1.00K OHM 1/16W 5% 0402
41	2	R31 R46	33k	Yageo	RC0402FR-0733KL	RES 33.0K OHM 1/16W 1% 0402 SMD
42	2	R35 R42	0.1 R	Panasonic	ERJ-S6SFR10V	RES 0.1 OHM 1/4W 1% 0805 SMD
43	1	R43	30.1K	Yageo	RC0402FR-0730K1L	RES 30.1K OHM 1/16W 1% 0402 SMD
44	1	R45	51K	Samsung	RC1005F513CS	RES 51K OHM 1/16W 1% 0402
45	3	SW1 SW2 SW3	SW TACT	Panasonic	EVQ-11A04M	SWITCH TACTILE SPST-NO 0.02A 15V
46	1	TP1	TP_1206	TE Connectivity	1625854-4	1206 PROBE PAD
47	4	TP2 TP3 TP4	SMD	-NA-	TI-TP-SMD-CIR-0P5MM	TEST PAD SMD CIR 0.5mm
48	1	U1	8M (1M x 8)	Micron Technology Inc	M25PX80-VMN6TP	IC FLASH 8MBIT 75MHZ 8SO
49	1	U3	CC3100	Texas Instruments	CC3100ZRTD	802.11bg Wifi Processor
50	1	U4	TPS79601	TEXAS INSTRUMENTS INC	TPS79601DCQR	IC,VREG,LDO,1.2V-5.5V,2.7V-5.5V,--,6PIN,SOT-223
51	1	Y1	Crystal	Epson	Q24FA20H00396	CRYSTAL 40MHZ 8PF SMD
52	1	Y2	32.768KHz	Avx/Kyocera	KC2520B32K7680CM2E00	OSCILLATOR 32.768KHZ SMD
53	1	Y3	Crystal	Abracon Corporation	ABS07-32.768KHZ-T	CRYSTAL 32.768KHZ 12.5PF SMD