

Customer: Texas Instruments  
 Group: WBU-ECS  
 Board: CC256x QFN EM Rev 1.2  
 BOM REV: 1.2  
 EDGE: 6546200  
 Date: December 6, 2012

DNI Do Not Install

Label each bag with Part Number Board Revision and BOM Revision

Item	Qty	Ref Des	Value	Part Description	Temp °C	Manufacturer	Manufacturer Part Number	Alternate Part	Note
1	1	ANT1	2.4-2.5 GHz	PCB ANTENNA		N/A	N/A		Copper Antenna on PCB
2	4	C1 C5 C10 C34	10uF	CAP CER 10UF 6.3V X5R 0603	-55 to 85	Taiyo Yuden	JMK107BJ106MA-T		
3	16	C2 C6 C9 C11 C12 C13 C14 C15 C16 C17 C27 C28 C29 C30 C33 C35	0.1uF	CAP CER 0.1UF 6.3V 10% X7R 0402	-55 to 125	Kemet	C0402C104K9RACTU		
3	4	C18 C19 C24 C36	0.1uF	CAP CER 0.1UF 6.3V 10% X7R 0402	-55 to 125	Kemet	C0402C104K9RACTU		DNI
4	3	C7 C20 C21	1.0uF	CAP CER 1.0UF 6.3V X5R 10% 0402	-55 to 85	Taiyo Yuden	JMK105BJ105KV-F		
5	1	C32	1.0uF	CAP CER 1.0UF 6.3V X5R 10% 0402	-55 to 85	Taiyo Yuden	JMK105BJ105KV-F		DNI
6	1	C8	0.01uF	CAP CER 0.01UF 6.3V 10% X5R 0402	-40 to 85	Murata	GRM155R60J103KA01D		
7	2	C22 C23	12pF	CAP CER 10PF 50V 5% NPO 0402	-55 to 125	Murata Electronics	GRM1555C1H120JZ01D		
8	2	C25 C26	0.47uF	CAP CER .47UF 6.3V X5R ±10% 0402	-55 to 85	Taiyo Yuden	JMK105BJ474KV-F		
9	1	C31	22pF	CAP CER 22PF 25V 5% NPO 0201	-55 to 125	Murata Electronics North America	GRM0335C1E220JD01D		
10	1	D1	GRN	LED GREEN HI BRT SS TYPE LO CUR SM		OSRAM Opto Semiconductors Inc	LG L29K-G2J1-24-Z		
11	3	FB1 FB2 FB3	BK1005HS680-T	FERRITE BEAD 68 OHM 0402		Taiyo Yuden	BK1005HS680-T		
12	1	FL1	2.45GHz	FILTER CER BAND PASS 2.45GHZ SMD		Murata Electronics	LFB212G45SG8C341		Place Brown Marking Up
13	1	LB1	Line 1 Line 2	650x200 Label UL,CSA,AGA approved		Brady	THT-14-423-10		See Assembly Drawing for Location
14	1	OSC1	MC_32.768kHz	Misc_MC_32.768kHz_OSC_4_SM_130x60x40		Micro Crystal	OV-7604-C7		DNI
15	1	P1	EDGE CARD	PCB PRINTED		N/A	N/A		DNI EDGE CARD mates with SAMTEC MEC6-150 SERIES SOCKET, 0.025" PITCH MEC6-160-02-S-DV-A
16	1	P2	2x9	HEADER 2x9 100_THVT_M 430L		Samtec	HMTSW-109-07-G-D-230		DNI
17	1	P3	COAXIAL	RECEPTACLE_CON_COAXIAL_UFL-R-SMT		Hirose	U.FL-R-SMT-1		
18	5	R6 R18 R26 R29 R35	0	RES 0.0 OHM 1/10W 0402 SMD	-100/+600ppm/°C	Panasonic - ECG	ERJ-2GE0R00X		DNI
19	9	R1 R2 R3 R5 R8 R9 R11 R36 R30	0	RES 0.0 OHM 1/10W 0402 SMD	-100/+600ppm/°C	Panasonic - ECG	ERJ-2GE0R00X		
20	7	R13 R14 R21 R22 R23 R24 R25	0	RES 0.0 OHM 1/10W 0402 SMD	-100/+600ppm/°C	Panasonic - ECG	ERJ-2GE0R00X		DNI for COM Only
21	1	R4	680	RES Thick Film 680 OHM 1/10W 5% 0402	±200ppm/°C	Panasonic - ECG	ERJ-2GEJ681X		
22	1	R19	10K	RES 10K OHM 1/10W 5% 0402 SMD	±200ppm/°C	Panasonic - ECG	ERJ-2GEJ103X		
23	3	R12 R15 R20	10K	RES 10K OHM 1/10W 5% 0402 SMD	±200ppm/°C	Panasonic - ECG	ERJ-2GEJ103X		DNI for COM Only
24	1	R27	10K	RES 10K OHM 1/10W 5% 0402 SMD	±200ppm/°C	Panasonic - ECG	ERJ-2GEJ103X		DNI
25	1	R28	100K	RES 100K OHM 1/10W 5% 0402 SMD	±200ppm/°C	Panasonic - ECG	ERJ-2GEJ104X		DNI
26	1	R34	10.0K	RES 10.0K OHM 1/10W 1% 0402 SMD	±100ppm/°C	Panasonic - ECG	ERJ-2RFK1002X		
27	2	RF1 RF2	2x10 SMVT	SMT-20pin-30Au 50ni-Double Row-Alignment pin	-55 to 125	Samtec	SFM-110-02-L-D-A		DNI for COM Only See Assembly for Pin 1 Location
28	1	SHLD1	RF SHIELD FRAME	BOARD SHIELD .65X.65" FRAME		Laird Technologies EMI	BMI-S-202-F		DNI
29	2	TP1 TP2	Blk	TEST POINT .025" SQR POST HDR BLACK		Components Corporation	TP-105-01-00		
30	3	TP3 TP4 TP5	XX	TP VIA .030RND020		XX	XX		No Part. Test Pad Only
31	1	U1	LP2985-18DBV	IC REG LDO 1.8V 0.15A SOT23-5	-40 to 125	Texas Instruments	LP2985-18DBV		
32	2	U2 U4	SN74AVC4T774RSV	IC BUS TRANSCVR 4BIT WITH 1.2-3.6V 16-UQFN	-40 to 85	Texas Instruments	SN74AVC4T774RSV		
33	1	U3	SN74AVC4T774RSV	IC BUS TRANSCVR 4BIT WITH 1.2-3.6V 16-UQFN	-40 to 85	Texas Instruments	SN74AVC4T774RSV		DNI for COM Only
34	1	U5	CC2560RVM	Bluetooth BR/EDR/LE and ANT Single-Chip Solution		Texas Instruments	CC256xRVM		
35	1	XSHLD1	RF SHIELD COVER	BOARD SHIELD .650X.650" COVER		Laird Technologies EMI	BMI-S-202-C		DNI
36	1	Y1	26MHz	CRYSTAL 26MHz	-20 to 70	NDK	NX2016SA (EXS00A-CS06025)	TST - TZ1325D	
37	2	R7 R10	0.10	0805					DNI
38	2	J1 J2	1X2 THVT	HDR_THVT_1x2_100_M		Samtec	HMTSW-102-07-G-S-230		