

FCC ID: VW4A091731

IC ID: 11019A-091731

Component list

Bill of Materials Print For Variant [Xmega_233_Tuned] of Project [Xmega_233.PrjPcb] (No PCB Document Selected)

Source Data From:

Xmega_233.PrjPcb

Project:

Xmega_233.PrjPcb

Variant:

Xmega_233_Tuned

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#	Designator	Quantity	Value	Manufacturer	MPN	Description
1	A1	1	2450AT42B100	Johanson Technology	2450AT42B100	2.4 GHz Antenna
2	B100	1	2450BM15A0015E	Johanson Technology	2450BM15A0015E	Filtered Balun to match AT86RF232/233 (35288)
3	C1, C9	2	100n	Kemet	C0402C104K4RACTU	Ceramic capacitor, SMD 0402, X7R, 16V, +/-10%
4	C2, C10	2	1uF	AVX	0603YD105KAT2A	CAP CER 1UF 16V 10% X5R 0603
5	C3	1	2.2 pF	Kemet	CBR02C229C9GAC	CAP CER 2.2PF 6.3V NP0 0201
6	C8, C11, C200, C207	4	10 pF	Murata	GRM0335C1E100JA01D	Ceramic capacitor, SMD 0201, C0G, 25V, +/-0.25pF
7	C201	1	4.7uF/10V	Kemet	T491A475K010AT	SMD tantalum capacitor, ESR = 5, 3216-18 (EIA) 1206, polarized
8	C202, C203, C204, C205, C206, C208	6	100n	Kemet	C0201C104K9PACTU	CAP CER 0.1UF 6.3V 10% X5R 0201
9	J1	1	MS147	HIROSE	CL358-150-5-01	Interface RF Connector with Switch,
10	L1	1	4.7nH	Johanson Technology	L-05B4N7SV6T	ceramic chip inductor, 4.7nH, 0201
11	L3	1	8.2nH	Johanson Technology	L-05B8N2JV6T	ceramic chip inductor, 8.2nH, 0201
12	L200, L201	2	BLM15BB221SN1	Murata	BLM15BB221SN1	SMD RF inductor 0402. Z=220Ohm (@100MHz), Max R(dc)=0.80Ohm, Max current=200mA
13	LABEL1	1	Label ZigBit Shield	ACT Logimark AS	505494	ZigBit Identification label. 15x10mm fireproof label w/blue Atmel logo
14	PCB200	1	ZigBit Xmega 2.4GHz board PCB			ZigBit Xmega 2.4GHz board PCB
15	Q1	1	16.0MHz	Epson Toyocom	TSX-3225 16.0000MF09Z-AC3	16MHz uXtal, 3.2 x 2.5 mm SMD, CL=9pF, 15PPM, ESR=80ohm(Max.
16	R1	1	680R	YAGEO CORP	RC0201JR-07680RL	RES 680 OHM 1/20W 5% 0201 SMD
17	R200	1	100K	YAGEO CORP	RC0201JR-07100KL	RES 100K OHM 1/20W 5% 0201 SMD
18	U1	1	AT86RF233-ZU	ATMEL	AT86RF233-ZU	2.4GHz Transceiver
19	U200	1	ATxmega256A3U-MH	ATMEL	ATxmega256A3U-MH	AVR xmega device with USB
20	XC200	1	FC-135 32.768 kHz	Epson Toyocom	FC-135 32.768 kHz	FC-135 32.768 kHz 20ppm 12.5pf Load Cap
21	Z200	1	ATZB-X-0-256-3-0-C	ATMEL	ATZB-X-0-256-3-0-C	ZigBit with ATxmega256A3U and AT86RF233
22	Z201	1	EMI Shield			EMI Shield
23	L2	0	1.8nH	Johanson Technology	L-05B1N8SV6T	ceramic chip inductor, 1.8nH, 0201
		33				

Approved

Notes