



Product Name: Zigbit Amp 2.4GHz, UFL

Model: ATZB-A24-UFL

Atmel Part Number: A09-0668

FCC ID: VW4A090668

Qty	Component Name	Location	Description	Manufacturing Part Number	Manufacturer
1	A01-0308	C29	Ceramic capacitor, SMD0402, X5R, 6.3V, 10%, 1.0uF	GRM155R60J105KE19D	Murata
1	A01-0313	C40	Ceramic capacitor, SMD 0201, X7R, 6.3V, 0.1, 10 nF	GRM033R70J103KA01D	Murata
1	A02-0633	C38	Thick Film Resistor, SMD 0402, 1/16W, 5%	RC1005J2R2CS	Samsung
1	A01-0328	C42	Multi Layer High Q Capacitor, SMD 0402, 50V, $\pm 5\%$, 22pF	500R07S220JV4	Johanson Technology
3	A01-0329	C15, C22, C41	Ceramic capacitor, SMD 0201, X5R, 6.3V, 10%, 0.1 uF	GRM033R60J104KE19D	Murata
4	A01-0332	C1, C12, C13, C2	Ceramic capacitor, SMD 0201, C0G, 25V, $\pm 5\%$, 12p	GRM0335C1E120JD01D	Murata
10	A01-0333	C10, C11, C14, C16, C19, C20, C21, C27, C6, C7	Ceramic capacitor, SMD0402, X5R, 6.3V, 10%, 1.0uF	GRM155R60J105KE19D	Murata
1	A01-0334	C30	Ceramic Capacitors - SMD0402 6.3V, 0.47uF 10% X5R, 0.47uF	C0402C474K9PACTU	Kemet
1	A01-0335	C8	Ceramic Capacitor, SMD 0201, 25V, NP0, 22PF, 22pF	250R05L220JV4T	Johanson Technology
2	A01-0336	C23, C24	Ceramic capacitor, SMD 0201, C0G, 25V, $\pm 0.25\text{pF}$, 10 pF	GRM0335C1E100JD01D	Murata
2	A01-0378	C43, C44	Ceramic capacitor, SMD 0402, C0G 50V, $\pm 0.25\text{pF}$ (de25659), 1.0pF	GRM1555C1H1R0CA01	Murata

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Qty	Component Name	Location	Description	Manufacturing Part Number	Manufacturer
2	A02-0534	R15, R16	Thick film resistor, SMD 0201, 1/20W, 5%, 0R	MCR006YZPJ000	ROHM
3	A02-0536	R11, R12, R13	Thick film resistor, SMD 0201, 1/20W, 5%, 4.7 k	MCR006YZPJ472	ROHM
4	A02-0541	R1, R10, R5, R6	Thick film resistor, SMD 0201, 1/20W, 5%, 10 k	MCR006YZPJ103+	ROHM
1	A02-0545	R9	Resistor Chip SMD 0201, 1/20W 1%, 49.9R, 49.9R	ERJ-1GEF49R9C	Panasonic
1	A02-0547	R7	Thick Film Resistor, SMD 0201, 0.05W, 5%, 1.2K, 1.2K	ERJ1GEJ122C	Panasonic
1	A02-0548	R8	Thick Film Resistor, SMD 0201, 0.05W, 5%, 1.5K, 1.5K	ERJ1GEJ152C	Panasonic
1	A02-0558	R17	Thick film resistor, SMD 0402, 1/10W, 1%, 49.9R	ERJ2RKF49R9X	Panasonic
1	A03-0056	L10	Chip Inductor 1.2 nH +-0.2nH 280 mA 0201, 1.2nH	LQP03TN1N2C04D	Murata
5	A03-0066	L1, L2, L5, L6, L9	Chip Bead, 1 kOhm, 0.25A, 0402 , BLM15HG102SN1D	BLM15HG102SN1D	Murata
1	A03-0067	L7	Chip Inductor, 2.2 uH, 10%, 10 mA, 1.7 Ohm, 0402 , 2.2uH	LK10052R2K-T	Taiyo Yuden
1	A03-0079	L8	Chip Inductor, 2.7nH, 0.17Ohm, 300 mA, 0402 (32306), 2.7nH	LQG15HN2N7S02D	Murata
1	A05-0048	D1	COMPLEMENTARY PAIR SMALL SIGNAL SURFACE MOUNT TRANSISTOR, SOT363, BC847PN-7-F	BC847PN-7-F	Diodes Incorporated
1	A06-0554	U1	AT86RF230-ZU 2.4GHz ZigBee/802.15.4 Transceiver,	AT86RF230-ZU	ATMEL
1	A06-0556	U2	AVR 8-bit RISC MCU, ATmega1281V-8MU	ATmega1281V-8MU	ATMEL



Qty	Component Name	Location	Description	Manufacturing Part Number	Manufacturer
1	A06-0557	U3	200mA, Low Quiscent Current, Ultra - Low Nose, High PSRR LDO Linear Regulator, TPS79330DDCR	TPS79330DDCR	Texas Instruments
1	A06-0558	U4	2.4GHz Zigbee/802.15.4 Front End Module, SE2431L-R	SE2431L-R	SiGe Semiconductor
1	A06-0651	U5	TinyLogic UHS Two-Input OR Gate, Micropak2, NC7SZ32FHX	NC7SZ32FHX	Fairchild
1	A07-0049	X1	SMT Crystal Resonator, 16.000 MHz,10 ppm,12 pF, 2520(Q) , 16MHz	SCQ18D48-16.000MHZ TR	SUNTSU FREQUENCY CONTROL
1	A07-0050	X2	SMT Crystal Resonator, 32.768 kHz,30 ppm,12.5 pF, 3215(Q) , 32.768KHZ	SCP8-32.768KHZ TR	SUNTSU FREQUENCY CONTROL
1	A08-0838	P1	UFL (Small Coax Connector), U.FL-R-SMT-1(10)	U.FL-R-SMT-1(10)	HIROSE
1	A08-0626	PCB1	ZigBit Amp 2.4GHz Unbalanced Output PCB, ZigBit Amp 2.4GHz Unbalanced Output PCB		
1	A08-0841	Z101	EMI Shield 25.3x12x2mm, EMI Shield 25.3x12x2mm	E56LFMEZDM128145	DUFU INDUSTRIES SDN BHD
1	A09-0718	Z102	ZigBit Identification label. 15x10mm fireproof label w/blue Atmel logo, Label ZigBit Shield	505494	ACT Logimark AS

Sincerely,

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