

eZ430-Chronos Access Point, 868 V1.3d

<u>Designator</u>	<u>Value</u>	<u>Tolerance</u>	<u>Footprint</u>	<u>Description</u>	<u>Manufacturer</u>
C1	1.0uF	+ -10%, X5R	603	Capacitor SMD	
C2	4.7uF	+ -10%, X5R	603	Capacitor SMD	
C3	2.2uF	+ -10%, X5R	603	Capacitor SMD	
C4	47pF	+ -10%, COG/NP0	402	Capacitor SMD	
C5	47pF	+ -10%, COG/NP0	402	Capacitor SMD	
C6	100nF	+ -10%, X7R	402	Capacitor SMD	
C7	100nF	+ -10%, X7R	402	Capacitor SMD	
C8	1.0uF	+ -10%, X5R	603	Capacitor SMD	
C9	100nF	+ -10%, X7R	402	Capacitor SMD	
C10	10nF	+ -10%, X7R	402	Capacitor SMD	
C11	2.2pF	+ -0.25pF, COG/NP0	402	Capacitor SMD	
C12	10nF	+ -10%, X7R	402	Capacitor SMD	
C13	220pF	+ -10%, COG/NP0	402	Capacitor SMD	
C14	22pF	+ -5%, COG/NP0	402	Capacitor SMD	
C15	22pF	+ -5%, COG/NP0	402	Capacitor SMD	
C16	1.8pF	+ -0.1pF, COG/NP0	402	Capacitor SMD	Johanson 500R07S1R8BV4
C17	100pF	+ -10%, COG/NP0	402	Capacitor SMD	
C18	n.a.				
D1	green		603	LED SMD	
E1	0868AT43A0020			Chip Antenna	Johanson
L1	Ferrite Bead 1k, 1R, min. 100mA		402	EMI Filter SMD	e.g. TDK MMZ1005S102C
L2	5.6nH	+ -0.3nH	402	Inductor Monolithic SMD	Johanson L-07C5N6SV4
L3	8.2nH	+ -5%	402	Inductor Monolithic SMD	Johanson L-07C8N2JV4
L4	15nH	+ -5%	402	Inductor Monolithic SMD	Johanson L-07C15NJV4
P1	USB Type A			USB Plug	e.g. Lumberg 241007
PCB1	CUSTOM, solder stop black			PCB, 2 layers, 0.8 mm thick	
R1	2R	+ -5%	402	Resistor SMD	
R2	33R	+ -5%	402	Resistor SMD	
R3	33R	+ -5%	402	Resistor SMD	
R4	1.5k	+ -5%	402	Resistor SMD	
R5	56k	+ -1%	402	Resistor SMD	
R6	270R	+ -5%	402	Resistor SMD	
R7	0R	+ -5%	402	Resistor SMD	
U1	TPS76933DBV		SOT-23	Linear Regulator	TI
U2	CC1111F32RSP		QFN36	ISM Transceiver	TI
U3	0896BM15A0001			896MHz Balun	Johanson
Y1	48MHz, CL=16pF, ESR<=40Ohm	+ -10ppm	23.2 x 2.5 mm2	Crystal SMD	Epson TSX3225-X1E000021040300