

eZ430-Chronos Access Point, 433 V1.0b

<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	3.9pF	+0.1pF, COG/NP0	402	Capacitor SMD	Johanson 500R07S3R9BV4
C17	3.9pF	+0.1pF, COG/NP0	402	Capacitor SMD	Johanson 500R07S3R9BV4
C18	220pF	+10%, COG/NP0	402	Capacitor SMD	
C19	12pF	+1%, COG/NP0	402	Capacitor SMD	Johanson 500R07S120FV4
C20	1.8pF	+0.1pF, COG/NP0	402	Capacitor SMD	Johanson 500R07S1R8BV4
C21	220pF	+10%, COG/NP0	402	Capacitor SMD	
D1	green		603	LED SMD	
E1	CAN4311129200431K			Chip Antenna	Yageo
L1	Ferrite Bead 1k, 1R, min. 100mA		402	EMI Filter SMD	e.g. TDK MMZ1005S102C
L2	27nH	+5%	402	Inductor Monolithic SMD	Johanson L-07C27NJV4
L3	27nH	+5%	402	Inductor Monolithic SMD	Johanson L-07C27NJV4
L4	18nH	+5%	402	Inductor Monolithic SMD	Johanson L-07C18NJV4
L5	47nH	+5%	402	Inductor Monolithic SMD	Johanson L-07C47NJV4
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	
U1	TPS76933DBV		SOT-23	Linear Regulator	TI
U2	CC1111F32RSP		QFN36	ISM Transceiver	TI
Y1	48MHz, CL=16pF, ESR<=40Ohm	+10ppm	23.2 x 2.5 mm2	Crystal SMD	Epson TSX3225-X1E000021040300