

walkie-talkie

Ref	Q-ty	Value	Footprint
BT1,	1	3.7V	Li-Ion battery w protection
C1,	1	3.3pF	C0805
C2, C3, C22, C23, C25, C28, C32,	7	4.7pF	C0805
C24	1	18pF	
C4,	1	100pF	C0805
C5, C6, C7, C15, C16, C26, C27, C29, C30, C31, C33, C37, C38,	13	100nF	C0805
C8, C10,	2	1nF	C0805
C9,	1	27pF	C0805
C11, C14,	2	330pF	C0805
C12, C13,	2	3n3	C0805
C17,	1	4.7uF	Tantalum B
C18,	1	1uF	Tantalum B
C20, C21,	2	33pF	C0805
C34,	1	22n	C0805
C35,	1	47n	C0805
C36,	1	10pF	C0805
C19, C39, C40, C41	4	47uF 16v	Tantalum B
C42, C43,	2	100uF 6v	Tantalum B
D1, D2, D3, D4,	4	BAS316	D0805
D5,	1	HVC131	D0805
D6, D7, D8, D9	4	Green	LED D3.0mm
D10, D11	2	Red	LED D3.0mm
D12,	1	MBR0520	SMA
D13,	1	BBY57	D0805
J1,	1	ANT	SMA right angle connector
J2,	1	ICSP	PinHeader 1x06 P2.54mm Horizontal
J3,	1	USB_B_Micro	USB Micro-B Molex-105017-0001
L1,	1	33nH	L0805
L2, L5,	2	22nH	L0805
L3, L6, L7, L8,	4	47nH	L0805
L4,	1	8.2nH	L0805
L9,	1	22uH	Bourns-SRN4018
Q1,	1	BFQ67	SOT-23

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Q2, Q3, Q4, Q8, Q10, Q11,	6	BC846B	SOT-23
Q5,	1	2SC3356	SOT-23
Q6,	1	2SC3357	SOT-89-3
Q7,	1	BC856	SOT-23
Q9,	1	2SA928	TO-92
R1,	1	560R	R0805
R2,	1	47k	R0805
R3, R16, R30, R31,	4	330R	R0805
R4, R14, R17, R37,	4	470R	R0805
R5, R7, R24, R27,	4	220k	R0805
R6, R8, R9, R10, R11, R12, R20, R25, R28, R32, R33,	11	10k	R0805
R13, R23,	2	4k7	R0805
R15,	1	220R	R0805
R18,	1	22k	R0805
R19, R21, R22,	3	1k	R0805
R26,	1	100R	R0805
R29,	1	100k	R0805
R34,	1	10k*	R0805
R35,	1	300R	R0805
R36,	1	2k* - 10k*	R0805
R38,	1	150k	R0805
RV1,	1	22k	Vishay 148-149 Single Horizontal
SW1, SW2	2	SW_Push	Tactile SPST Angled PTS645Vx83-2LFS
SW3,	1	POWER	SW CuK OS102011MA1QN1 SPDT Angled
U1,	1	MRF49XA	SSOP-16_5.3x6.2mm P0.65mm
U2,	1	PIC16F628-xxISO	SOP-18_7x12.5mm P1.27mm
U3,	1	mc34119	SO-8_3.9x4.9mm P1.27mm
U4,	1	LTC4054ES5-4.2	TSOT-23-5
U5,	1	max1674	TSSOP-8 4.4x3mm P0.65mm
Y1,	1	10MHz	5032 2Pin 5.0x3.2mm
MIC1,	1	Microphone	Capacitance microphone
SPK1,	1	Speaker	8 Ohm 0.25W speaker