

Component List of BT-16B Transmitter

pcb	60425V5.1 (BT-16B)	
R11	10 OHM,0603	Chip resistor
R7, R14, R15, R23	100 OHM,0603	Chip resistor
R35	180 OHM,0603	Chip resistor
R1, R17, R29	220 OHM,0603	Chip resistor
R56	330 OHM,0603	Chip resistor
R6, R20	680 OHM,0603	Chip resistor
R4, R45, R51, R53	1K OHM,0603	Chip resistor
R52, R54, R41	2.2K OHM,0603	Chip resistor
R26	4.7K OHM,0603	Chip resistor
R28, R42	5.1K OHM,0603	Chip resistor
R25, R43	6.8K OHM,0603	Chip resistor
R10	8.2K OHM,0603	Chip resistor
R12, R16, R24, R27, R32, R33, R34, R46, R47, R50, R48	10K OHM,0603	Chip resistor
R3	18K OHM,0603	Chip resistor
R13, R30, R31, R36, R37, R38, R39, R55	22K OHM,0603	Chip resistor
R49	33K OHM,0603	Chip resistor
R2	47K OHM,0603	Chip resistor
R58	51K OHM,0603	Chip resistor
R8, R21	75K OHM,0603	Chip resistor
R9	82K OHM,0603	Chip resistor
R22, R40, R57	100K OHM,0603	Chip resistor
R19, R18	120K OHM,0603	Chip resistor
RP2	B10k,7*7mm	Chip potentiometer
RP1	B10K	Chip potentiometer
C19,C14	1pF,50V,0603	Chip capacitor
C37	2.2pF,50V,0603	Chip capacitor
C34	3pF,50V,0603	Chip capacitor
C49	15pF,50V,0603	Chip capacitor
C38	39pF,50V,0603	Chip capacitor
C33	68pF,50V,0603	Chip capacitor
C26,C30, C54, C57, C58, C67, C70	100pF,50V,0603	Chip capacitor
C9, C28 , C12, C48	1nF,50V,0603	Chip capacitor

C42	3.3nF,50V,0603	Chip capacitor
C8, C18, C22, C23, C40, C43,C50, C52	10nF,50V,0603	Chip capacitor
C66	15nF,50V,0603	Chip capacitor
C20, C46, C47, C59	0.1uF,50V,0603	Chip capacitor
C41	2.2uF,10V,0603	Chip capacitor
C39	10uF,10V,1206	Chip capacitor
C65, C72	1uF,16V,3216A	
C51, C53, C55, C56, C60, C61,C62, C63, C64, C69, C71	4.7uF,16V,3216A	Chip capacitor
C27, C31, C45	10uF,16V,3216A	Chip capacitor
C44	47uF,10V,3528B	Chip capacitor
C11	0.47 μ F,50V, $\Phi 4\times 7$	electrolytic capacitor
C15	33uF,25V, $\Phi 6\times 5$	electrolytic capacitor
C17, C32	220 μ F,16V, $\Phi 6\times 7$	electrolytic capacitor
L3	8.2nH,0603	chip inductor
L11	15nH,0603	chip inductor
L7,L4, L5	5.6nH,0805	chip inductor
L1, L2	8.2nH,0805	chip inductor
L8	DR43-101K,100uH	chip inductor
L9	100uH,1008	chip inductor
VD7	BAV99,S0T-23	diode
VD5, VD6	BB143,S0D-523,	diode
VD2	1N4148,D0-35	diode
VD4	1N5819/SS14,D0-214AC	diode
VD1	LDE, $\Phi 3$	LED red
VT3,VT5	2SC1623,S0T-23	transistor
Q1, Q2, Q3	MAR951, S0T-23	transistor
VT4	BCX53-16,S0T-89	transistor
VT1	CE2400,S0T-23	ic
VT2	ST9380,S0T-23-5	ic
N2	GP214D,TSS0P-16	ic
N5	NJM2068,S0-8	ic
N3	S-812C50AUA-C3E-T2,S0T-89-3	ic
N6	UTC571M,S0L-16	ic
N1	VDA1810NTA/XC61CN18,S0T-23	ic
SW1	SK-23D25G6	switch

SW2	YJC-04L	switch
X1	12MHz,30PPM,20PF,49S	crystal transmitter
MIC1	CKX3.5-02-3P	jack
VD1 TO VD1	φ1.5*5mm	fiberglas
C1, C2, C3,C4,C5, C7, C13, C24,C25,C29, C36,C35, C6,C16,C21	table	optional parameters
R44	table	optional parameters
L6	table	optional parameters
L10	table	optional parameters
N4	table	optional parameters
C10,C68	NO	idlexxe
R5	NO	idlexxe
VD3	NO	idlexxe