

Component List of HT-16D Transmitter

pcp	JWL100129V1.0(UHF-216-SM)-1-2	
L4	0 OHM,0805	Chip resistor
R31,R33,R54	100 OHM,0603	Chip resistor
R36, R46, R51	220 OHM,0603	Chip resistor
R22, R41	330 OHM,0603	Chip resistor
R17	390 OHM,0603	Chip resistor
R9, R18, R11, R20, R21, R24, R27	1K OHM,0603	Chip resistor
R25, R28	2.2K OHM,0603	Chip resistor
R32,R35	4.7K OHM,0603	Chip resistor
R2	5.1K OHM,0603	Chip resistor
R3, R8	6.8K OHM,0603	Chip resistor
R50, R10, R13, R14, R15, R38,R43, R44, R45, R47, R48	10K OHM,0603	Chip resistor
R23, R40	18K OHM,0603	Chip resistor
R16,R1, R4, R29, R34, R37, R56,R57	22K OHM,0603	Chip resistor
R12	33K OHM,0603	Chip resistor
R55,R26	47K OHM,0603	Chip resistor
R49,R52	75K OHM,0603	Chip resistor
R42	82K OHM,0603	Chip resistor
R30	100K OHM,0603	Chip resistor
RP1	B10K	Chip potentiometer
C60,C56	1.5pF,50V,0603	Chip capacitor
C46	2.2pF,50V,0603	Chip capacitor
C55	5.1pF,50V,0603	Chip capacitor
C35	6.2pF,50V,0603	Chip capacitor
C15	33pF,50V,0603	Chip capacitor
C8	51pF,50V,0603	Chip capacitor
C40,C42	68pF,50V,0603	Chip capacitor
C12,C16,C23,C41,C6	100pF,50V,0603	Chip capacitor
C18,C62	1nF,50V,0603	Chip capacitor
C44	3.3nF,50V,0603	Chip capacitor
C9, C24, C27, C30, C32, C37,C45,C59	10nF,50V,0603	Chip capacitor
C7, C10, C34, C39, C70, C71	0.1uF,50V,0603	Chip capacitor
C5,C20,C21	1uF,25V,0603	Chip capacitor
C26	2.2uF,10V,0603	Chip capacitor

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C43	10uF,10V,0805	Chip capacitor
VC1	20pF,5pF-20pF	Chip capacitor
VD1	BAV99,SOT-23	diode
VD4	1N4148,D0-35	diode
VD5	LED , (5 × 5 × 7)mm	LED red
VD6 , VD7	BB143,SOD523	diode
VD2	diode 6.2V,0.5W,D0-35	diode
VD3	1N5819/SS14,D0-214AC	diode
Q4, VT2, VT6,VT4	2SC1623,SOT-23	transistor
Q1 , Q2 , Q3	MAR951,SOT-23	transistor
VT3	BCX53-16,SOT-89	transistor
VT5	2SD1898,NPN,SOT-89-3	transistor
L8, L9, L10	8.2nH,0805	chip inductor
L11, L12	10 μ H,0307	chip inductor
L2	100uH,1008	chip inductor
L1	DR43-101K,100uH,DIP-2	chip inductor
IC5	SOT-89,AZ1117, 3.3V	ic
IC6	XC61CN18/VDA1810NTA,SOT-23	ic
IC4	GP214D,TSSOP-16	ic
IC1	EM78P153 ,SOP-14	MCU
IC2	UTC571M,SOL-16	Voltage comparator
IC3	UTC4558,SOP-8	operational amplifier
X1	12MHz,30PPM,20PF,49S	crystal transmitter
SW2	SS23D06G2	switch
SW1	SK-23D25-G6	switch
SW1	4P-2.54mm	jack
J1,J3	3P,2.54mm	jack
C1, C2, C3, C4, C13, C17, C22,C69,C14,C11	4.7uF,16V, ± 20%,3216A	Chip capacitor
C25,C72,C36,C38,C51	10uF,16V, ± 20%,3216A	Chip capacitor
C28, C29, C31, C33	47uF,10V, ± 20%,3528B	Chip capacitor
R39,R53,R19	table	optional parameters
C47,C48,C52,C53,C54,C57,C61,C63,C64,C65,C66,C67,C68, C50,C58,C49	table	optional parameters
L3,L5,L6,L7	table	optional parameters