

## Part List: Transmit

### Product Type: TX-001A

Item	Part type	Value	Designator	Quantity
1	DIP CAP	47Uf/16V	C16,C17,C19	3
2	LINE	20/0.08 13PIN+4PIN	CH1, CH2, CH3,CH4	4
3	JACK	D.S.C	CON1	1
4	JACK	Batt	CON4	1
5	Crystal	16MHz	XY1	1
6	SMD Resistor	100K	R4	1
7	SMD Resistor	100R	R5	1
8	SMD Resistor	330R	R1,R6,R7,R7,R8,R9,R10,R11,R2	9
9	SMD Resistor	10K+/- 1%	R12	1
10	SMD Resistor	4.7K+/-1%	R13	1
11	SMD Resistor	0R	D14	1
12	SMD Resistor	10K	R0,R22	2
13	SMD Resistor	18P	C2,C3	2
14	SMD Resistor	4.7Uf/16V	C4	1
15	SMD Resistor	104	C1,C5,C6,C7,C8,C9,C10,C11,C12,C13, C14,C15,C18,C31	14
16	DIODE	LL4148	D1,D2,D3,D4,D5,D6,D7,D8,D9,D10,D11, D12,D13,D16,D17,D18,D19,D20,D21,D22, D23	26
17	DIODE	IN4004	D15	1
18	INDUCTANCE	33uH	L1	1
19	INDUCTANCE	10uH	L2,L3	1
20	IC	CX1117-3.3	IC2	1
21	SMD Resistor	22K	R23	1
22	SMD Resistor	102	C30	1
23	CUP/IC	ATMEG8L	IC1	1
1	JACK		CON1	1
2	Capacitor	100Uf/10V	C1	1
3	Capacitor	104M	C2	1
4	Resistor	8.2k	R1	1
5	Resistor	100R	R2,R3,R4	3
6	IC	HT1621	IC1	1

## Part List: Transmit(1)

**Product Type: DAC0011989 TX1P12A**

Item	Part type	Value	Quantity	Designator
1	ELECTROLYTE CAPACITOR	220uF/6.3V EC-CAP MSize= Φ 6.3*5mm+85℃	1.00000	C25
2	PORT	PH2.0*3Pin 180 DEGREE STRAIGHT SEAT White	1.00000	J2
3	TX PCB	36.2mm*25mm*1.6mm 4LAYERS SILVER IMMERSION	1.00000	
4	RESISTOR	RESISTOR 22K OHM 5% 0402 1/10W	1.00000	R1
5	RESISTOR	RESISTOR 180 OHM 1/10W 5% 0402	1.00000	R3
6	RESISTOR	RESISTOR 10M OHM 5% 0402 1/10W	1.00000	R5
7	RESISTOR	RESISTOR 1K OHM 5% 0402 1/10W	3.00000	R2 R6 R8
8	RESISTOR	RESISTOR 1M OHM 5% 0402 1/10W	1.00000	R9
9	CAPACITOR	CAP CERAMIC 33PF 50V 5% COG 0402 HiSRF	1.00000	C12
10	CAPACITOR	CAP CERAMIC 1.5PF+/-0.25PF 50V COG 0402 HiSRF	2.00000	C9 C10
11	CAPACITOR	CAP CERAMIC 15PF 5% 50V 0402 COG HiSRF	2.00000	C19 C20
12	CAPACITOR	CAP CERAMIC 27PF 5% 50V 0402 COG HiSRF	1.00000	C4
13	CAPACITOR	CAP MULTILAYER 102/25V K0402 NPO	4.00000	C6 C2 C1 C16
14	CAPACITOR	CAP CERAMIC 103 10% 50V 0402 COG HiSRF	1.00000	C7
15	CAPACITOR	CAP MULTILAYER 104/25V K0402 NPO	3.00000	C13 C15 C23
16	CAPACITOR	CAP MULTILAYER 104/50V K0603 X7R	1.00000	C26
17	CAPACITOR	CAP CERAMIC 333 10% 50V 0402 COG HiSRF	1.00000	C18
18	CAPACITOR	CAP CERAMIC 222 10% 50V 0402 COG HiSRF	1.00000	C21
19	CAPACITOR	CAP CERAMIC 4.7PF+/-0.25PF 50V 0402 COG HiSRF	1.00000	C22
20	TAN-CAPACITOR	EC-CAP 22uF/16V M1210 B TYPE	1.00000	C27
21	INDUCTOR	INDUCTOR 3.3NH +-0.3NH FIXED 0402	2.00000	L2 L8
22	INDUCTOR	INDUCTOR 2.2NH +-0.3NH FIXED 0402	1.00000	L7

23	INDUCTOR	Inductor 6.8nH $\pm$ 0.3nH Fixed 0402	1.00000	L1
24	INDUCTOR	INDUCTOR 3.9NH $\pm$ 0.3NH FIXED 0402	1.00000	L3
25	INDUCTOR	INDUCTOR 5.6NH $\pm$ 0.3NH FIXED 0402	1.00000	L4
26	INDUCTOR	INDUCTOR 56NH 5% FIXED 0603	2.00000	L5 L6
27	CRYSTAL	16MHZ $\pm$ 10PPM 4.0*2.5mm	1.00000	X2
28	CRYSTAL	8 MHz SMT CER. RES. W/ CAPS (CSTCE PKG) 3.2*1.3*0.7mm	1.00000	X1
29	FILTER	2.4GHZ BPF SIZE 2.5*2.0*1.2mm	2.00000	F1 F2
30	MCU	CF-01 C8051F330 QFN20 PURPLE VER1.0 JP2.4G TX PROGRAM	1.00000	U2
31	MCU	CF-01 C8051F330 QFN20	1.00000	
32	IC	2.4 GHz Transceiver NRF24L01 QFN20	1.00000	U5
33	IC	2.4GHZ RF Power Amplify UPG2314T5N 6Pin plastic TSON	1.00000	U4
34	REGULATOR	HT7830 3V $\pm$ 2% SOT-89	1.00000	U1
35	ANTENNA SEAT	CONNECTOR MICRO-COAX	1.00000	ANT
36	LED	$\Phi$ 3mm RED RADIATE RED GENERAL LIGHT	1.0000	LED
37	LED RACK	PVC $\phi$ 3*5.5mm 2 HOLE	1.0000	LED
38	ANTENNA	TX ANTENNA 26AWG 19 STRAND 250mm $\pm$ 3mm WITH GREY	1.0000	ANT