

## PARTS LIST FOR THE SIMPLE HIGH FREQUENCY COMMUNICATIONS RECEIVER-R2

UPDATED 12/15/2019

QUANTITY	VALUE	DESCRIPTION	DIGIKEY PART NO.	PLACEMENT
1	0.01 Uf	CERAMIC CAP/ 50V	<b>BC2662CT-ND</b>	C29
19	0.1 Uf	CERAMIC CAP/ 50V	<b>478-3192-ND</b>	C1, C4-6, C8-18, C20, C22, C34, C36
1	.22 Uf	ELECTROLYTIC/100V	<b>493-1137-ND</b>	C30
1	0.047 Uf	CERAMIC CAP/ 50V	<b>399-4189-ND</b>	C32
2	1 Uf	CERAMIC CAP/ 50V	<b>399-9886-1-ND</b>	C27, C31
3	10 uF	ELECTROLYTIC/450V	<b>1189-1894-ND</b>	c19, C26, C38
2	47 Uf	ELECTROLYTIC/100V	<b>493-14555-1-ND</b>	C23, C35
3	100 Uf	ELECTROLYTIC/50V	<b>P15369CT-ND</b>	C24, C28, C33
2	110 Pf	CERAMIC CAP/ 1KV	<b>399-13554-ND</b>	C2, C3
1	330 Pf	CERAMIC CAP/ 100V	<b>399-4230-ND</b>	C21
1	3300 pF	CERAMIC CAP/ 100V	<b>399-4357-ND</b>	C7
1	180 pF	CERAMIC CAP/ 50V	<b>445-180713-3-ND</b>	C37
1	10-50 Pf	TRIMMER CAP	<b>SG9033-ND</b>	C25
4	9.0 Mhz	CRYSTAL, HC49/S	<b>XC2383-ND</b>	Q1, Q5, Q6, Q7
1	7805T	LINEAR 5V REG.	<b>SCD7805ACTGOS-ND</b>	IC2
5	2N3904	TRANSISTOR	<b>2N3904FS-ND</b>	Q2,-Q4, Q8, Q9
1	10 OHM	RESISTOR, 1/4 WATT	<b>CF14JT10R0CT-ND</b>	R33
3	82 OHM	RESISTOR, 1/4 WATT	<b>CF14JT82R0CT-ND</b>	R1-R3
6	100 OHM	RESISTOR, 1/4 WATT	<b>CF14JT100RCT-ND</b>	R20-21, R24-26, R32
2	220 OHM	RESISTOR, 1/4 WATT	<b>CF14JT220RCT-ND</b>	R11, R16
2	330 OHM	RESISTOR, 1/4 WATT	<b>CF14JT330RCT-ND</b>	R18, R19
1	470 OHM	RESISTOR, 1/4 WATT	<b>CF14JT470RCT-ND</b>	R31
6	1000 OHM	RESISTOR, 1/4 WATT	<b>CF14JT1K00CT-ND</b>	R8, R9, R12, R14,R15, R22
4	2.2K OHM	RESISTOR, 1/4 WATT	<b>CF14JT2K20CT-ND</b>	R28, R30, R35, R36
4	3.3K OHM	RESISTOR, 1/4 WATT	<b>CF14JT3K30CT-ND</b>	R4, R6, R7, R37
3	4.7K OHM	RESISTOR, 1/4 WATT	<b>CF14JT4K70CT-ND</b>	R23, R27, R38
1	10K OHM	RESISTOR, 1/4 WATT	<b>CF14JT10K0CT-ND</b>	R34
1	22K OHM	RESISTOR, 1/4 WATT	<b>CF14JT22K0CT-ND</b>	R29
4	1M OHM	RESISTOR, 1/4 WATT	<b>CF14JT1M00CT-ND</b>	R5, R10, R13, R17
1	1N4148	DIODE	<b>1N4148FS-ND</b>	D2

4	PIN HEADER	20 POSITION/MALE	<b>952-1905-ND</b>	CUT TO FIT	FOR NANO & DDS
1	LM386N	AUDIO AMPLIFIER	<b>296-43960-5-ND</b>	IC1	
PARTS BELOW OTHER SOURCE THAN DIGI-KEY					
1	AD9850	DDS MODULE	<b>AD9850 - DDS</b>		EBAY
1	ARDUINO NANO	MICROPROCESSOR	<b>MICRO WITH USB</b>		EBAY
1	DISPLAY	1.4 ", DRIVER ST7735	<b>128 BY 128 TFT LCD</b>		EBAY
3	T37-2	TOROID CORES	<b>IRON POWDER</b>	T1, T2, T6	<b>AMADON</b>
3	FT37-43	TOROID CORES	<b>FERRITE</b>	T3, T4, T5	<b>AMADON</b>
2	SBL-1	DIODE MIXER	<b>DOUBLE BALANCED</b>	Z1, Z2	<b>MINI-CIRCUITS</b>
2	BB204	DIODE, VARACTOR	<b>DUAL, COMMON C</b>	D1, D3	EBAY