

Bill of Materials for SDR QRP Sampler

5/9/2005 0:00

Part description**Need Used where**

0.1 uF ceramic, 0.1 in lead spacing	25	C1, C2, C4, C5, C9, C10, C11, C13, C18, C19, C20, C22, C23, C26, C27, C28, C29, C32, C35, C36, C38, C42, C43, C44, C52
0.001 uF ceramic, 0.1 in. lead spacing	2	C33, C34
47 uF, 16 V, tant., 0.1 in. lead spacing	2	C3, C31, C51
10 uF, 16 V, TANT., 0.1 in. lead spacing	5	C12, C21, C24, C25, C53
47 pF disk, 0.1 in. lead spacing	5	C8, C14, C16, C45
100 pF ceramic, 0.1 in. lead spacing	5	C6, C7, C37, C46, C48
0.082 uF, film	2	C15, C17
680 pF, ceramic, 0.1 in. lead spacing	1	C47
330 pF, ceramic, 0.1 in. lead spacing	1	C49
220 pF, ceramic, 0.1 in. lead spacing	2	C39, C41
22 pF, disk, 0.1 in. lead spacing	1	C50
3300 pF, ceramic, 0.1 in. lead spacing	1	C30
82 pF, ceramic, 0.1 in lead spacing	1	C40
10, 1/4 W	4	R1, R12, R14, R39
10k, 1/4 W	11	R2, R3, R6, R8, R9, R10, R17, R18, R25, R27, R28
2.2k, 1/4 W	1	R4
100k, 1/4 W	2	R5, R7
4.99k, 1/4 W	2	R11, R13
49.9, 1/4 W	2	R15, R16
100, 1/4 W	3	R19, R20, R35
36k, 1/4 W	1	R21
20k, 1/4 W	11	R22, R24, R26, R29, R30, R31, R33, R34, R36, R38, R41
24k, 1/4 W	1	R23
4.7k, 1/4 W	1	R32
2.0k, 1/4 W	1	R37
160, 1/4 W	1	R40
300, 1/4 W	2	Added resistors in series with D2 and D3
3.9 uH, axial lead inductor	1	L1
1.5 uH, axial lead inductor	1	L2
13T, FT37-43	1	L3
15T, T30-2 (red)	1	L4
17T, T30-2 (red)	1	L5
0.22 uH	1	L6
6T, trifilar-wound, FT37-43	1	T1
3T, trifilar-wound, FT37-43	1	T2
Xtal, 28.224 MHz, HC49 case	1	X1
1N4001	1	D1
1N4148	7	D2, D3, D4, D5, D6, D8, D9
1N4756, 47 V ZENER	1	D7
2N3904, NPN, TO-92 pack	1	Q1
2N3906, PNP, TO-92 pack	1	Q2
2N7000, TO-92 pack	3	Q3, Q4, Q5
78L05, TO-92 pack	1	U1
LT1719CS8, SOIC 8	2	U2, U9
74HC74, SO14	1	U3
OPA2228, SOIC 8	1	U4
FST3126MTC, TSSOP 14, 25 mil lead spacing	3	U5, U6, U8
LM2808MM, 25 mil spacing on leads	1	U7
PCB, SDR QRP Sampler	1	
DB15 plug, pins	1	game port plug