

r820t2_breakout

Id	Designator	Package	Quantity
1	REF**	SolderWirePad_1x01_Drill0.8mm	1
2	J4,J2	PinHeader_1x03_P2.54mm_Vertical	2
3	Y2	Crystal_SMD_2520-4Pin_2.5x2.0mm	1
4	JP1	SolderJumper-2_P1.3mm_Open_Pad1.0x1.5mm	1
5	C38,C22,C43,C40,C37,C36,C35,C25,C23	C_0805_2012Metric	9
6	C4,C9,C8,C13,C21,C18,C17,C16,C14,C3	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	10
7	C6	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
8	C2,C19	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
9	C1	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
10	R22,R26,R25	R_0805_2012Metric	3
11	RV1	Potentiometer_Bourns_3214W_Vertical	1
12	J3	PinHeader_1x03_P2.54mm_Vertical	1
13	U5	SOIC-16_3.9x9.9mm_P1.27mm	1
14	R24	R_0805_2012Metric	1
15	R15,R16	R_0805_2012Metric	2
16	U4	SOIC-14_3.9x8.7mm_P1.27mm	1
17	R11,R5	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
18	P4,P2,P3,P5,P6,P7,P8	PINTST	7
19	C11,C7,C5,C10	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	4
20	R4,R3	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
21	R2,R1,R8,R7	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	4
22	U7	MSOP-10_3x3mm_P0.5mm	1
23	U6	SOIC-8_3.9x4.9mm_P1.27mm	1
24	R28	R_0805_2012Metric	1
25	R20,R19,R18,R17	R_0805_2012Metric	4
26	R14,R13	R_0805_2012Metric	2
27	R12	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
28	R10	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
29	R9	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
30	R6	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
31	L3,L2	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
32	L1	R_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
33	FB4,FB3,FB2,FB1	L_0805_2012Metric	4
34	D2	D_1206_3216Metric	1
35	C45,C41,C26,C24	C_0805_2012Metric	4
36	C34,C33	C_0805_2012Metric	2
37	C32,C31	C_0805_2012Metric	2
38	C30,C29,C28,C27	C_0805_2012Metric	4
39	C20	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	1
40	C15,C12	C_0805_2012Metric_Pad1.15x1.40mm_HandSolder	2
41	D1	SOT-23	1
42	P1	Pin_Header_Straight_1x04_Pitch2.54mm	1
43	T2	Pulse_SMD_Balun	1
44	U1	Crystal_SMD_Abracon_ABM3C-4pin_5.0x3.2mm	1
45	U3	SOT-223	1
46	Y1	XTAL 2520 SMD 25 Mhz	1
47	J1	SMA_END	1
48	U2	QFN-24-1EP_4x4mm_Pitch0.5mm_extended_pad	1

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Designation	Supplier and ref
SolderWirePad_1x01_Drill0.8mm	
CLK Source	
Crystal_GND24	
SolderJumper_2_Open	
100nF	
0.1uf	
1uf	
330pf	
0.01uf	
10k	
5k	
Conn_01x03_Male	
SN74CBT3253	
8.2k	0
74HC74	0
CONN_01X01	
27pf	
4k7	220
Si5351A-B-GT	
LT6234	512
	100
5.6k	
10k	
1k8	
DNI	10
150nh	
8.2nH	
Ferrite_Bead	
LED	
4.7uF	
2.2uF	
330p	
33nF	
6800pf	
10uf	
BAV99	
CONN_01X04	
TRANSFO4	
TWEAALSANF-28.800000	
LD1117S33CTR	
25MHz	
SMA	
R820T2	