

Evaluation Kit Build Bill of Materials

EVKit Part Number: MAX2829EVKIT+			Associated schematic: 2829_3D		
Revision: E			Associated Layout: 2828x9_3		
Date Last Edited: 10-10-12					
Item	Ref Designator	Qty	Value	Tol	Description
1	C1	1	0.5pF	0.1pF	0402 Capacitor
2	C2	1	8.2pF	0.1pF	0402 Capacitor
3	C3 C66	2	1.0uF	10%	0402 Capacitor
4	C4	1	1.0pF	0.1pF	0402 Capacitor
5	C5 C7 C10 C11 C17 C18 C21 C22 C29 C35 C37 C40 C42 C43 C45 C46 C50 C52 C54 C59 C60	21	0.1uF	10%	0402 Capacitor
6	C6 C9 C16 C19 C20 C23 C24 C25 C26 C27 C28 C30 C32 C36 C38 C41 C56 C57 C58	19	0.01uF	10%	0402 Capacitor
7	C8 C31 C44 C48 C61 C62 C64 C67	0	DNI		0402 Capacitor
8	C12 C13	2	1.8pF	0.1pF	0402 Capacitor
9	C14 C15	2	1.2pF	0.1pF	0402 Capacitor
10	C33	1	560pF	5%	0402 Capacitor
11	C34	1	150pF	5%	0402 Capacitor
12	C39 C51 C53 C55	4	10uF	20%	Tantalum Capacitor - 'R' Case
13	C47	1	100pF	5%	0402 Capacitor
14	C49 C63	0	DNI		Tantalum Capacitor - 'R' Case
15	C65	1	0.5pF	0.1pF	0201 Capacitor
16	R1 R2 R6 R10 R16 R17 R22 R27	8	75 ohm	1%	0402 Resistor
17	R3 R7 R18 R23 R25	5	10k	1%	0402 Resistor
18	R4 R5 R21 R26	4	49.9 ohm	1%	0402 Resistor
19	R8 R9 R12 R13 R19 R28 R29 R31 R32 R36 R44	11	0 ohm	5%	0402 Resistor
20	R11 R30 R33 R35 R38	0	DNI		0402 Resistor
21	R14	1	267 ohm	1%	0402 Resistor
22	R15	1	11k	1%	0402 Resistor
23	R20	1	620 ohm	5%	0402 Resistor
24	R24	1	300 ohm	5%	0402 Resistor
25	R34 R37	2	100k	1%	0402 Resistor
26	R39 R40 R41	3	100 ohm	1%	0402 Resistor
27	R43	1	1k	1%	0402 Resistor
28	L1	1	6.8nH	5%	0402 Inductor
29	L2	1	2.0nH	0.2nH	0201 Inductor
30	L3 L4	0	DNI		0402 Inductor
31	L6	1	3.6nH	0.1nH	0402 Inductor
32	L7	1	1.8nH	0.1nH	0402 Inductor

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Item	Ref Designator	Qty	Value	Tol	Description
33	U1 U5	2	MAX4447		Single-Ended-to-Differential Line Driver
34	U2 U6	2	MAX4444		Differential-to-Single-Ended Line Receiver
35	U3	1	MAX6061		Low-Dropout, High-Output-Current Voltage Reference SOT23
36	U4	1	MAX2829		Single-/Dual Band-Band 802.11a/b/g World-Band Transceiver
37	U7	0	NCYWZ04 DNI		
38	U8 U9	2	SN74LVTH244ADBR		Octal Buffer/Driver
39	T1	1	HHM1711D1		Balun
40	T2	1	HHM1732B1		Balun
41	Y1	0	HFX323QN40M0P1		
42	J1 J2 J3 J4 J5J6 J7 J8 J9	9	Connector		SMA End Launch Jack Receptacle 0.062"
43	J11 J12 J19	0	Connector DNI		
44	J17	0	2X13 Pin Header DNI		Dual In-Line Header, 100 mil centers
45	J18	1	Connector		DB25 - Rt. Angle Male
46	JP1 JP18 JP19 JP20	0	1X3 Pin Header DNI		Single In-Line Header, 100 mil centers
47	JP2 JP3 JP4 JP5 JP6 JP7 JP8 JP9 JP10 JP11 JP12 JP13 JP14 JP15 JP16 JP17	0	1X2 Pin Header DNI		Single In-Line Header, 100 mil centers
48	JP21 JP22	2	1X3 Pin Header		Single In-Line Header, 100 mil centers
49	J10 J13 J14 J15 J16 TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23	27	Test Point		PC Mini-Red
50	TP9	0	DNI		
51	JP21 JP22 Install on Pins 1 and 2	2	Shunt		Shorting Jumper, 2-position, 0.1" center
52	Pack-Out Instruction				Brown Box 9 3/16" x 7" x 7/8"
53					ESD Bag 4" x 6" w/ESD Logo
54					Pink Foam 12"x12"x 5MM
55					Web Instructions
56					INTF3000+ Interface Board

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Part Number: MAX2829EVKIT+		
Revision: E		
First Edited: 10-10-12		
Ref Designator	Manufacturer	Part Number
C1	Murata	GRM1555C1HR50B
C2	Murata	GRM1555C1H8R2B
C3 C66	Murata	GRM155R61A105K
C4	Murata	GJM1555C1H1R0B
C5 C7 C10 C11 C17 C18 C21 C22 C29 C35 C37 C40 C42 C43 C45 C46 C50 C52 C54 C59 C60	Murata	GRM155R61A104K
C6 C9 C16 C19 C20 C23 C24 C25 C26 C27 C28 C30 C32 C36 C38 C41 C56 C57 C58	Murata	GRM155R71C103K
C8 C31 C44 C48 C61 C62 C64 C67		Leave Site Open
C12 C13	Murata	GRM1555C1H1R8B
C14 C15	Murata	GJM1555C1H1R2B
C33	Murata	GRM1555C1H561J
C34	Murata	GRM1555C1H151J
C39 C51 C53 C55	AVX	TAJR106M006R
C47	Murata	GRM1555C1H101J
C49 C63		Leave Site Open
C65	Murata	GJM0335C1ER50B
R1 R2 R6 R10 R16 R17 R22 R27		Use Lead-Free Parts Only
R3 R7 R18 R23 R25		Use Lead-Free Parts Only
R4 R5 R21 R26		Use Lead-Free Parts Only
R8 R9 R12 R13 R19 R28 R29 R31 R32 R36 R44		Use Lead-Free Parts Only
R11 R30 R33 R35 R38		Leave Site Open
R14		Use Lead-Free Parts Only
R15		Use Lead-Free Parts Only
R20		Use Lead-Free Parts Only
R24		Use Lead-Free Parts Only
R34 R37		Use Lead-Free Parts Only
R39 R40 R41		Use Lead-Free Parts Only
R43		Use Lead-Free Parts Only
L1	Murata	LQG15HN6N8J02
L2	Murata	LQP03TN2N0C02
L3 L4	Murata	LQW18AN33NJ00
L6	Murata	LQP15MN3N6B02
L7	Murata	LQP15MN1N8B02

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Ref Designator	Manufacturer	Part Number
U1 U5	Maxim Integrated	MAX4447ESE+
U2 U6	Maxim Integrated	MAX4444ESE+
U3	Maxim Integrated	MAX6061BEUR+
U4	Maxim Integrated	MAX2829ETN+
U7		Leave Site Open
U8 U9	Texas Instruments	SN74LVTH244ADBR
T1	TDK	HHM1711D1
T2	TDK	HHM1732B1
Y1	Murata	HFX323QN40M0P1
J1 J2 J3 J4 J5J6 J7 J8 J9	Johnson	142-0701-801
J11 J12 J19		Leave Site Open
J17		Leave Site Open
J18	AMP	5747238-4
JP1 JP18 JP19 JP20	Sullins	Leave Site Open
JP2 JP3 JP4 JP5 JP6 JP7 JP8 JP9 JP10 JP11 JP12 JP13 JP14 JP15 JP16 JP17	Sullins	Leave Site Open
JP21 JP22	Sullins	PEC36SAAN
J10 J13 J14 J15 J16 TP1 TP2 TP3 TP4 TP5 TP6 TP7 TP8 TP10 TP11 TP12 TP13 TP14 TP15 TP16 TP17 TP18 TP19 TP20 TP21 TP22 TP23	Keystone	5000
TP9		Leave Site Open
JP21 JP22 Install on Pins 1 and 2	Kycon	SX1100-B
Pack-Out Instruction		