

Evaluation Kit Build Bill of Materials

EVKIT Part Number: MAX2680EVKIT#
EVKIT Board Revision: A
EVKIT BOM Filename: 2680_ae.xls
Schematic Revision: AE

Lead-Free (LF) = Y or N / RoHS Compliant Only = R

LF / RoHS	Ref Designator	Qty	Value	Tol	Description
Y	C1	1	270pF	10%	0603 Capacitor
Y	C2	1	15pF	5%	0603 Capacitor
Y	C3, C4, C6	3	1000pF	10%	0603 Capacitor
Y	C5	1	10uF	20%	Tantalum Cap - 'B' Case
--	C7, C8	0	Do Not Install		
--	R1, R2	0	Do Not Install		
R	L1	1	330nH	5%	1008 Inductor
Y	Z1	1	270pF	10%	0603 Capacitor
Y	Z2	1	22nH	5%	0603 Inductor
--	Z3	0	Do Not Install		0603 Inductor
Y	U1	1	MAX2680		400MHz to 2.5GHz, Low-Noise, SiGe Downconverter Mixer, 6 Lead SOT23 Topmark: AAAR
Y	LO, IF, RF	3	Connector		SMA Edge Mount - Round Contact
Y	JU1	1	1X3 Header		3 Pin header - 100 mil centers
Y	VCC, SHDN	2			Testpoint - PC Mini-Red
Y	GND	1			Testpoint - PC Mini-Black
Y		1			MAX2680/1/2 Evaluation Kit Circuit Board - Rev A

MAX2680EVKIT# Pack-Out BOM

Qty	Description
1	Box (labeled with Part Number and Lot Number) Maxim Box 1: Standard Small
1	WEB instructions for Maxim Data Sheet: www.maxim-ic.com , search 2680
1	ESD Bag, unsealed. Sufficient in size to allow easy removal of circuit board assembly.
1	ESD foam packing material (to prevent PCB from moving within box)
1	MAX2680EVKIT# circuit board assembly

Assembly Notes

Revision History

Evaluation Kit Build Bill of Materials

EVKIT Part Number: MAX2680EVKIT#

EVKIT Board Revision: A

EVKIT BOM Filename: 2680_ae.xls

Schematic Revision: AE

Lead-Free (LF) = Y or N / RoHS Compliant Only = R

AD Put BOM in new format. Updated Maxim E Numbers. Added pack-Out BOM.

AE Update for Lead-Free/RoHS compliance.

Evaluation Kit Build Bill of Materials

EVKIT Part Number:
EVKIT Board Revision:
EVKIT BOM Filename:
Schematic Revision:

Last Date Edited: 1-Feb-2008
Edited by: Sue Harris

Free (LF) = Y or N / RoHS Compliance

Ref Designator	Manufacturer	Part Number	Maxim Supplied	ENUM
C1	Murata	GRM188R71H271K	X	ECM0333
C2	Murata	GRM1885C1H150J	X	ECM0483
C3, C4, C6	Murata	GRM188R71H102K	X	ECM0083
C5	AVX	TAJB106M016R	X	EC0147
C7, C8		Leave Site Open		--
R1, R2		Leave Site Open		--
L1	Coilcraft	1008HS-331TJLC	X	EL0140
Z1	Murata	GRM188R71H271K	X	ECM0333
Z2	Toko	LL1608-FSL22NJ	X	EL0131
Z3		Leave Site Open		--
U1	Maxim Integrated Products	MAX2680EUT+	X	EU0345
LO, IF, RF	Johnson	142-0701-801		EH0052
JU1	Sullins	PEC36SAAN		EH0072
VCC, SHDN	Keystone	5000		EH0066
GND	Keystone	5001		EH0129
	Maxim Integrated Products			--

E-Number
--
--
--
--
--

Assembly Notes

Revision History

Evaluation Kit Build Bill of Materials

EVKIT Part Number:
EVKIT Board Revision:
EVKIT BOM Filename:
Schematic Revision:

Last Date Edited: 1-Feb-2008
Edited by: Sue Harris

Free (LF) = Y or N / RoHS Compliant

Put BOM in new format. Updated	17-May-05	Sue Harris
Update for Lead-Free/RoHS comp	1-Feb-08	Sue Harris