

## Evaluation Kit Build Bill of Materials

**EVKIT Part Number: MAX2741EVKIT#**  
**EVKIT Board Revision: 2**  
**EVKIT Sftwr filename: MAX2741\_2b.xls**  
**Schematic Revision: 2b**

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

LF / RoHS	Ref Designator	Qty	Value	Tol	Description
Y	C1	1	2.2pF	0.1pF	0402 Capacitor
Y	C2, C3, C4, C8, C10, C23, C27, C33, C47, C50, C51, C52, C53, C54, C60	15	.1uF	10%	0402 Capacitor
Y	C5, C6, C9, C11, C12, C13, C21, C48	8	100pF	5%	0402 Capacitor
--	C7, C14, C24, C25, C26, C28, C30, C31	0	<b>OPEN</b>		
Y	C20, C32, C57, C58	4	1000pF	10%	0402 Capacitor
Y	C34, C35, C36, C37, C38, C49	6	0.01uF	10%	0402 Capacitor
Y	C22	1	2200pF	10%	0402 Capacitor
Y	C39, C40	2	39pF	5%	0402 Capacitor
Y	C41, C42, C43, C44	4	680pF	10%	0402 Capacitor
Y	C45, C46	2	5.6pF	0.5pF	0402 Capacitor
Y	C59, C62	2	1.0uF	10%	0402 Capacitor
Y	R1	1	36.5K	1%	0402 Resistor
Y	R2, R3, R4, R5, R9, R10, R11, R12, R16, R17, R18, R19, R26, R27, R28, R29, R32	17	0 ohm	5%	0402 Resistor
Y	R6, R8, R25, R33, R34, R35, R36, R37, R38, R39, R40, R41	12	10K	5%	0402 Resistor
--	R7, R20, R21, R22, R23, R24	0	<b>OPEN</b>		0402 Resistor
Y	R30	1	30 ohm	5%	0402 Resistor
R	L1	1	6.2nH	5%	0402 Inductor
Y	L2, L3	2	470nH	2%	0603 Inductor
Y	T1, T2, T3	3	Balun Transformer		Surface Mount Transformer
Y	U1	1	MAX2741		GPS Down Converter
Y	U2, U3	2	SN74LV07ADR		Hex Buffer/Driver w/Open Drain 14SOP
Y	U4	1	MAX8510EXK29		Ultra-Low-Noise, High PSRR, Low-Dropout Linear Regulator, SC70
Y	Y1	1	19.2MHz		Volt Control TCXO (19.2MHz)
Y	J1	1	Connector		DB25 - Right Angle Male
Y	J2, J10, J11, J12, J14, J19	6	Connector		SMA Edge Mount - Round Contact
Y	J3, J4, J5, J6, J7, J8, J9, J15, J16, J17, J18, J23, J24	13	1X2 Pin Header		2 Pin In-Line Header, 100 mil centers
Y	JP1	1	1X3 Pin Header		3 Pin In-Line Header, 100 mil centers

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<b>LF / RoHS</b>	<b>Ref Designator</b>	<b>Qty</b>	<b>Value</b>	<b>Tol</b>	<b>Description</b>
--	J13	0	1X4 Pin Header <b>Do Not Install</b>		4 Pin In-Line Header, 100 mil centers
Y	JP1, J3, J4, J5, J6, J7, J8, J9, J15, J16, J17, J18	12	Shunt		Shunt Location is Pin 1&2 for all locations
--	TP1, TP2	0	Test Point <b>Do Not Install</b>		PC Mini Red
Y		1	--		MAX2741 Evaluation Kit Circuit Board

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LF / RoHS	Ref Designator	Qty	Value	Tol	Description
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## MAX2741EVKIT# Pack-Out BOM

Qty	Description
1	Box labeled with EVKIT Part Number and Lot Number. Maxim Box 1: Standard Small
1	WEB instructions for Maxim Data Sheet: <a href="http://www.maxim-ic.com">www.maxim-ic.com</a> , search MAX2741
1	ESD bag, unsealed. Sufficient in size to allow easy removal of circuit board assembly.
1	ESD foam packing material sufficient to prevent PCB from moving within the box.
1	MAX2741EVKIT# circuit board assembly.

## Assembly Notes

1. Each board must be marked with the alpha character that is part of the BOM Rev from this sheet. This mark is to and black in color. An acceptable marker is a fine point Sanford's Sharpie.

## Revision History

- 2A Production Release
- 2B Update BOM for Lead-Free and RoHS compliance.

## Evaluation Kit Build Bill of Materials

**EVKIT Part Number:**  
**EVKIT Board Revision:**  
**EVKIT Sftwr filename:**  
**Schematic Revision:**

**SAE Assigned:**  
**DE Assigned:**  
**CAE Assigned:**  
**Last Date Edited: 30-Nov-2006**  
**Edited by:**

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

Ref Designator	Manufacturer	Part Number	Maxim Supplied	E#
C1	Murata	GRM1555C1H2R2B	X	ECM005
C2, C3, C4, C8, C10, C23, C27, C33, C47, C50, C51, C52, C53, C54, C60	Murata	GRM155R61A104K	X	ECM0070
C5, C6, C9, C11, C12, C13, C21, C48	Murata	GRM1555C1H101J	X	ECM0122
C7, C14, C24, C25, C26, C28, C30, C31		<b>Leave Site Open</b>		--
C20, C32, C57, C58	Murata	GRM155R71H102K	X	EC0305
C34, C35, C36, C37, C38, C49	Murata	GRM155R71C103K	X	ECM0510
C22	Murata	GRM155R71H222K	X	ECM0189
C39, C40	Murata	GRM1555C1H390J	X	ECM0023
C41, C42, C43, C44	Murata	GRM155R71H681K	X	ECM0344
C45, C46	Murata	GRM1555C1H5R6D	X	ECM0212
C59, C62	Murata	GRM155R60J105K	X	ECM0422
R1		Use Lead-Free Parts Only.		ER0104023652
R2, R3, R4, R5, R9, R10, R11, R12, R16, R17, R18, R19, R26, R27, R28, R29, R32		Use Lead-Free Parts Only.		ER0504020R00
R6, R8, R25, R33, R34, R35, R36, R37, R38, R39, R40, R41		Use Lead-Free Parts Only.		ER0504021002
R7, R20, R21, R22, R23, R24		<b>Leave Site Open</b>		--
R30		Use Lead-Free Parts Only.		ER05040230R0
L1	Coilcraft	0402CS-6N2XJLW	X	EL0335
L2, L3	Murata	LQW18ANR47G00	X	EL0863
T1, T2, T3	Toko	#617DB-1675	X	ET0013
U1	Maxim	MAX2741ETI+	X	EU01619
U2, U3	Texas Instruments	SN74LV07ADR		EQ0360
U4	Maxim	MAX8510EXK29+	X	EU0734
Y1	Kyocera	VC-TCXO-208C5-19.2		EX0251
J1	AMP	5747238-4		EH0185
J2, J10, J11, J12, J14, J19	Johnson	142-0701-801		EH0052
J3, J4, J5, J6, J7, J8, J9, J15, J16, J17, J18, J23, J24	Sullins	PEC36SAAN		EH0072
JP1	Sullins	PEC36SAAN		EH0072

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**CAE Assigned:**  
**Last Date Edited: 30-Nov-2006**  
**Edited by:**

Free (LF) = Y or N / RoHS Compliant Onl

Ref Designator	Manufacturer	Part Number	Maxim Supplied	E#
J13	Sullins	PEC36SAAN		--
JP1, J3, J4, J5, J6, J7, J8, J9, J15, J16, J17, J18	Sullins	SSC02SYAN		EH0467
TP1, TP2	Keystone	5000		--
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Ref Designator	Manufacturer	Part Number	Maxim Supplied	E#

E-Number
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## Assembly Notes

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The board must be marked with the alpha character in the white space labeled ASSY REV. This mark is to be indelible black in color. An acceptable marker is a fine

## Revision History

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Production Release	25-Mar-05
Update BOM for Lead-Free and RoHS co	30-Nov-06