

MAX2312 EV KIT BILL OF MATERIAL

Date:5/1/00

BOM REV:E

BOARD REV:C

MODIFIED for 190MHz IF

* Maxim will supply component

	DESIGNATION	QTY	DESCRIPTION	E #
*	C1, C3, C9 -C11, C13, C14, C21, C22, C28, C35, C37, C38, C42	14	0.01uF 10v Min, 10% Ceramic Capacitor (0402) MURATA GRM36X7R103K016A	EC
*	C2, C4, C8, C12, C23 - C25	7	330pF 10% 10V Min, Ceramic Capacitor (0402) MURATA GRM36X7R331K050A	EC
*	C5	1	1.5 pF +/- .1pF 16V Min, Ceramic Capacitor (0402) MURATA GRM36COG1R5B050A	EC
*	C6, C7	2	12 pF 5% 16V Min, Ceramic Capacitor (0402) MURATA GRM36COG120J050A	
	C15, C26, C32, C36, C39, C40, R6, R10 R15, R17, R19 - R21, R25, R27-R30, R36,	18	Do Not Install	
*	C16, C33, C34	3	47pF 25v Min, 5% Ceramic Capacitor (0402) MURATA GRM36COG470J050A	EC
*	C17, C18	2	1000pF 25v Min 10% Ceramic Capacitor (0402) MURATA GRM36X7R102K050A	EC0305
*	C19, C20	2	8pF 5% 10V Min, Ceramic Capacitor (0402) MURATA GRM36COG080J050A	EC
*	C27	1	10uF Tantalum Capacitor +/-10% 16V min. AVX TAJC106K016	EC0186
*	C29	1	.033uF 10% 10V Min, Ceramic Capacitor (0402) MURATA GRM36X7R333K010A	EC0306
*	C30	1	3300pF 10% 10V Min, Ceramic Capacitor (0402) MURATA GRM36X7R332K050A	EC
	R1, R11, R12, R31- R34, R3	8	0 ohm Resister (0402)	
	R2, R8, R14, R16, R18, R35	6	100 ohm 5% Resister (0402)	
	R4, R5, R23	3	10K ohm 5% Resistor (0402)	
	R7	1	49.9 ohm 1% Resistor (0402)	
	R9	1	681 ohm 1% Resistor (0402)	
	R13, R24	2	10K Variable resistor BOURNS Digi-key 3296W-104-ND	
	R22, R26	2	47K ohm 5% Resistor (0402)	
*	T1	1	Balun Transformer Toko 458DB-1011	ET0009

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*	L2	1	24 nH Inductor 0805CS-240XJBC 5% Coilcraft	EL
*	L4	1	180nH Inductor 0805CS - 181TKBC 10% Coilcraft	EL
*	L6	1	270nH Inductor 0805CS - 271TKBC 10% Coilcraft	EL
	J1-J5, J7, J8	7	SMA EDGE MT CONNECTOR 142-0701-801 DIGI-KEY J502-ND NOTE: CUT CENTER PIN TO APPROXIMATELY 1/16" LENGTH.	
	JU2, JU3, JU10, JU11	4	SHUNT Digi-key S9000-ND	
	Q1	1	LEAVE SITE OPEN	
	D1	1	LEAVE SITE OPEN	
*	D4	1	VARACTOR DIODE ALPHA SMV1255-003	ED0070
*	U1	1	MAX2312EEI 28QSOP	EU0432
	JU2, JU3, JU10, JU11, VCC, GND, DGND	7	1X2 Header Digi-key S1012-36-ND	
	\STBY\, \BUF_EN\, DIV_SEL, \SHDN\	4	1X3 Header Digi-key S1012-36-ND	
	DATA, \EN\, CLK, LOCK	1	2X6	
*	INCLUDED WITH KIT	1	36" SOCKET CONNECTOR RIBBON CABLE , 20 CONTACTS DIGI-KEY A3AAG-2036G-ND	
*	INCLUDED WITH KIT	1	INTF2300 Interface Board	
*		1	MAX2312 / 16 CIRCUIT BOARD Rev C	
*		1	MAX2312 / 16 DATA SHEET	