

Filename: TIDA-01350E2(001-1GHz LINEAR TIA EVM)_BOM.xls

Variant: 001-1GHz LINEAR TIA EVM

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1GHz LINEAR TIA EVM

Designator	Quantity	Value	Description	PackageReference	PartNumber	Manufacturer	Alternate PartNumber	Alternate Manufacturer
IPCB1	1		Printed Circuit Board		TIDA-01350	Any	-	-
C1, C2, C26, C27, C30, C31	6	0.01uF	CAP, CERM, 0.01 µF, 25 V, +/- 10%, X7R, 0402	0402	GRM155R71E103KA01D	MuRata		
C3, C4, C5, C6, C19, C20, C21, C22	8	0.01uF	CAP, CERM, 0.01uF, 25V, +/-20%, X7R, 0306	0306	LLL185R71E103MA01L	MuRata		
C7, C8, C9, C10, C15, C16, C17, C18	8	2200pF	CAP, CERM, 2200pF, 50V, +/-20%, X7R, 0306	0306	LLL185R71H222MA01L	MuRata		
C12, C13	2	0.01uF	CAP, CERM, 0.01 µF, 16 V, +/- 10%, X7R, 0402	0402	C1005X7R1C103K050B A	TDK		
C24, C25, C29	3	10uF	CAP, TA, 10uF, 10V, +/-10%, 0.9 ohm, SMD	3216-18	TPSA106K010R0900	AVX		
C32, C33	2	3pF	CAP, CERM, 3 pF, 50 V, +/- 3%, C0G/NP0, 0603	0603	CL10C030BB8NNNC	Samsung Electro-Mechanics		
C34, C35	2	2pF	CAP, CERM, 2 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402	GRM1555C1H2R0CA01D	MuRata		
D1	1		InGaAs PIN Photodiode, TH	D5.6xL20mm	PTD0075A2211	AC Photonics		
J1, J2	2		Connector, SMT, End launch SMA 50 ohm	SMA End Launch	142-0701-851	Emerson Network Power	-	-
L1, L2	2	1uH	Inductor, Wirewound, Ferrite, 1 µH, 0.4 A, 0.839999 ohm, SMD	1.8x0.91x1.12mm	0603AF-102KRB	Coilcraft		
R3, R4, R9, R10	4	499	RES, 499, 1%, 0.063 W, 0402	0402	CRCW0402499RFKED	Vishay-Dale		
R5, R6	2	24.9	RES, 24.9, 1%, 0.063 W, 0402	0402	CRCW040224R9FKED	Vishay-Dale		
R11, R12	2	40.2	RES, 40.2 ohm, 1%, 0.063W, 0402	0402	CRCW040240R2FKED	Vishay-Dale		
R14	1	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale		
TP1	1		Test Point, Multipurpose, Orange, TH	Orange Multipurpose Testpoint	5013	Keystone		
TP2	1	Red	Test Point, TH, Multipurpose, Red		5010	Keystone Electronics		
TP3	1	Yellow	Test Point, Multipurpose, Yellow, TH	Yellow Multipurpose Testpoint	5014	Keystone		
TP4, TP5, TP6	3	Black	Test Point, TH, Multipurpose, Black		5011	Keystone Electronics		
U1, U2	2		8GHz Ultra Wideband Fully Differential Amplifier, RMS0014A	RMS0014A	LMH5401IRMSR	Texas Instruments	LMH5401IRMST	Texas Instruments
C11, C14	0	0.3pF	CAP, CERM, 0.3 pF, 50 V, +/- 30%, C0G/NP0, 0402	0402	500R07S0R3BV4T	Johanson Technology		
C23, C28	0		CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	0603	Used in BOM report	Used in BOM report	-	-
C36, C37	0		CAP, CERM, xxxF, xxV, [TempCo], xx%, [PackageReference]	0402	Used in BOM report	Used in BOM report	-	-
FID1, FID2, FID3, FID4, FID5, FID6	0		Fiducial mark. There is nothing to buy or mount.	Fiducial	N/A	N/A		
R1, R2	0	1.00k	RES, 1.00k ohm, 1%, 0.1W, 0603	0603	CRCW06031K00FKEA	Vishay-Dale		
R7, R8	0	1.00k	RES, 1.00 k, 1%, 0.063 W, 0402	0402	CRCW04021K00FKED	Vishay-Dale		
R13, R15	0		RES, xxx ohm, x%, xV, [PackageReference]	0603	Used in BOM report	Used in BOM report	-	-

Notes:

Unless otherwise noted in the Alternate PartNumber and/or Alternate Manufacturer columns, all parts may be substituted with equivalents.

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