

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21232	**Issued**	21. August 2021
MA#	MA001785394		
Package	PG-IQFN-31-2	**Weight***	72.47 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	0.745	1.03	1.03	10278	10278
chip_2	inorganic material	silicon	7440-21-3	0.745	1.03	1.03	10278	10278
chip_3	inorganic material	silicon	7440-21-3	0.569	0.79	0.79	7854	7854
leadframe	inorganic material	phosphorus	7723-14-0	0.003			48	
	non noble metal	zinc	7440-66-6	0.014	0.02		192	
	non noble metal	iron	7439-89-6	0.279	0.38		3845	
	non noble metal	copper	7440-50-8	11.316	15.61	16.01	156138	160223
wire	non noble metal	copper	7440-50-8	0.101	0.14	0.14	1393	1393
encapsulation	organic material	carbon black	1333-86-4	0.058	0.08		803	
	plastics	epoxy resin	-	2.995	4.13		41329	
	inorganic material	silicondioxide	60676-86-0	26.027	35.92	40.13	359122	401254
leadfinish	non noble metal	tin	7440-31-5	0.986	1.36	1.36	13611	13611
plating	noble metal	silver	7440-22-4	0.054	0.07	0.07	742	742
solder	noble metal	silver	7440-22-4	0.027	0.04		374	
	non noble metal	tin	7440-31-5	0.054	0.07		749	
	non noble metal	lead	7439-92-1	1.004	1.38	1.49	13850	14973
glue	plastics	epoxy resin	-	0.088	0.12		1219	
	noble metal	silver	7440-22-4	0.265	0.37	0.49	3658	4877
heatspreader	inorganic material	phosphorus	7723-14-0	0.005	0.01		73	
	non noble metal	zinc	7440-66-6	0.021	0.03		293	
	non noble metal	iron	7439-89-6	0.424	0.59		5852	
	non noble metal	copper	7440-50-8	17.220	23.76	24.39	237603	243821
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.003			39	
	non noble metal	zinc	7440-66-6	0.011	0.02		157	
	non noble metal	iron	7439-89-6	0.227	0.31		3137	
	non noble metal	copper	7440-50-8	9.230	12.74	13.07	127363	130696
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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