

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21472	**Issued**	23. January 2020
MA#	MA005415609		
Package	PG-IQFN-39-2	**Weight***	111.54 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	0.966	0.87	0.87	8660	8660
chip_2	inorganic material	silicon	7440-21-3	0.261	0.23	0.23	2344	2344
chip_3	inorganic material	silicon	7440-21-3	1.538	1.38	1.38	13792	13792
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		103	
	non noble metal	zinc	7440-66-6	0.046	0.04		411	
	non noble metal	iron	7439-89-6	0.917	0.82		8218	
	non noble metal	copper	7440-50-8	37.219	33.37	34.24	333698	342430
wire	non noble metal	copper	7440-50-8	0.148	0.13	0.13	1329	1329
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		744	
	plastics	epoxy resin	-	4.274	3.83		38321	
	inorganic material	silicondioxide	60676-86-0	37.140	33.30	37.20	332987	372052
leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		2	
	noble metal	gold	7440-57-5	0.000	0.00		4	
	non noble metal	nickel	7440-02-0	0.007	0.01	0.01	65	71
plating	noble metal	silver	7440-22-4	0.967	0.87	0.87	8668	8668
solder	non noble metal	tin	7440-31-5	0.036	0.03		326	
	noble metal	silver	7440-22-4	0.045	0.04		407	
	non noble metal	lead	7439-92-1	1.735	1.56	1.63	15557	16290
heat sink clip	inorganic material	phosphorus	7723-14-0	0.008	0.01		70	
	non noble metal	iron	7439-89-6	0.026	0.02		234	
	non noble metal	copper	7440-50-8	26.106	23.41	23.44	234060	234364
*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.
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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