

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21470	**Issued**	03. June 2021
MA#	MA005222314		
Package	PG-IQFN-39-2	**Weight***	112.25 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	0.86	0.86	8605	8605
chip_2	inorganic material	silicon	7440-21-3	0.261	0.23	0.23	2329	2329
chip_3	inorganic material	silicon	7440-21-3	1.538	1.37	1.37	13704	13704
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		102	
	non noble metal	zinc	7440-66-6	0.046	0.04		408	
	non noble metal	iron	7439-89-6	0.917	0.82		8166	
	non noble metal	copper	7440-50-8	37.219	33.14	34.01	331569	340245
wire	non noble metal	copper	7440-50-8	0.145	0.13	0.13	1290	1290
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		739	
	plastics	epoxy resin	-	4.274	3.81		38078	
	inorganic material	silicondioxide	60676-86-0	37.140	33.09	36.97	330869	369686
leadfinish	noble metal	palladium	7440-05-3	0.000			2	
	noble metal	gold	7440-57-5	0.000			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	0.86	0.86	8613	8613
solder	non noble metal	tin	7440-31-5	0.051	0.05		452	
	noble metal	silver	7440-22-4	0.063	0.06		565	
	non noble metal	lead	7439-92-1	2.421	2.16	2.27	21570	22587
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		233	
	non noble metal	copper	7440-50-8	26.106	23.26	23.29	232567	232870
*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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