

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21462	**Issued**	21. August 2021
MA#	MA003772950		
Package	PG-IQFN-39-1	**Weight***	112.85 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	1.538	1.36	1.36	13631	13631
chip_2	inorganic material	silicon	7440-21-3	0.261	0.23	0.23	2317	2317
chip_3	inorganic material	silicon	7440-21-3	0.966	0.86	0.86	8559	8559
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		100	
	non noble metal	zinc	7440-66-6	0.045	0.04		399	
	non noble metal	iron	7439-89-6	0.901	0.80		7984	
	non noble metal	copper	7440-50-8	36.586	32.43	33.28	324203	332686
wire	noble metal	gold	7440-57-5	0.318	0.28	0.28	2821	2821
encapsulation	organic material	carbon black	1333-86-4	0.081	0.07		720	
	plastics	epoxy resin	-	4.184	3.71		37078	
	inorganic material	silicondioxide	60676-86-0	36.358	32.22	36.00	322184	359982
leadfinish	noble metal	palladium	7440-05-3	0.003			25	
	noble metal	gold	7440-57-5	0.005			41	
	non noble metal	nickel	7440-02-0	0.084	0.07	0.07	747	813
plating	noble metal	gold	7440-57-5	0.008	0.01		69	
	noble metal	palladium	7440-05-3	0.024	0.02		215	
	noble metal	silver	7440-22-4	0.398	0.35		3530	
	non noble metal	nickel	7440-02-0	1.421	1.26	1.64	12588	16402
solder	noble metal	silver	7440-22-4	0.096	0.08		850	
	non noble metal	tin	7440-31-5	0.192	0.17		1701	
	non noble metal	lead	7439-92-1	3.551	3.15	3.40	31464	34015
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.008	0.01		69	
	non noble metal	zinc	7440-66-6	0.031	0.03		275	
	non noble metal	iron	7439-89-6	0.620	0.55		5491	
	non noble metal	copper	7440-50-8	25.158	22.29	22.88	222939	228774
*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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