



Material Content Data Sheet



Halogen-Free

Sales Product Name	TDA21570	Issued	11. August 2021
MA#	MA005272956		
Package	PG-IQFN-39-12	Weight*	103.75 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	1.354	1.31	1.31	13054	13054
chip_2	inorganic material	silicon	7440-21-3	1.354	1.31	1.31	13054	13054
chip_3	inorganic material	silicon	7440-21-3	0.404	0.39	0.39	3891	3891
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		102	
	non noble metal	zinc	7440-66-6	0.042	0.04		408	
	non noble metal	iron	7439-89-6	0.847	0.82		8159	
	non noble metal	copper	7440-50-8	34.372	33.11	33.98	331300	339969
wire	non noble metal	copper	7440-50-8	0.219	0.21	0.21	2115	2115
encapsulation	organic material	carbon black	1333-86-4	0.072	0.07		691	
	plastics	epoxy resin	-	3.690	3.56		35568	
	inorganic material	silicondioxide	60676-86-0	32.065	30.91	34.54	309064	345323
leadfinish	noble metal	palladium	7440-05-3	0.003			29	
	noble metal	gold	7440-57-5	0.005			47	
	non noble metal	nickel	7440-02-0	0.089	0.09	0.09	854	930
plating	noble metal	silver	7440-22-4	0.594	0.57	0.57	5721	5721
solder	non noble metal	tin	7440-31-5	0.078	0.08		755	
	noble metal	silver	7440-22-4	0.098	0.09		944	
	non noble metal	lead	7439-92-1	3.740	3.61	3.78	36053	37752
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		71	
	non noble metal	zinc	7440-66-6	0.030	0.03		286	
	non noble metal	iron	7439-89-6	0.593	0.57		5717	
	non noble metal	copper	7440-50-8	24.082	23.21	23.82	232117	238191
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com

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