



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TDA21570	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005430689		
<b>Package</b>	PG-IQFN-39-12	<b>Weight*</b>	103.53 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	0.719	0.69	0.69	6943	6943
chip_2	inorganic material	silicon	7440-21-3	0.404	0.39	0.39	3899	3899
chip_3	inorganic material	silicon	7440-21-3	1.354	1.31	1.31	13082	13082
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		102	
	non noble metal	zinc	7440-66-6	0.042	0.04		409	
	non noble metal	iron	7439-89-6	0.847	0.82		8177	
	non noble metal	copper	7440-50-8	34.372	33.22	34.09	332017	340705
wire	non noble metal	copper	7440-50-8	0.219	0.21	0.21	2120	2120
encapsulation	organic material	carbon black	1333-86-4	0.073	0.07		706	
	plastics	epoxy resin	-	3.763	3.63		36349	
	inorganic material	silicondioxide	60676-86-0	32.699	31.58	35.28	315849	352904
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	856	932
plating	noble metal	silver	7440-22-4	0.594	0.57	0.57	5734	5734
solder	noble metal	silver	7440-22-4	0.091	0.09		874	
	non noble metal	tin	7440-31-5	0.148	0.14		1434	
	non noble metal	lead	7439-92-1	3.382	3.27	3.50	32666	34974
heat sink clip	inorganic material	phosphorus	7723-14-0	0.007	0.01		72	
	non noble metal	zinc	7440-66-6	0.030	0.03		286	
	non noble metal	iron	7439-89-6	0.593	0.57		5729	
	non noble metal	copper	7440-50-8	24.082	23.26	23.87	232620	238707
*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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