



Material Content Data Sheet



Halogen-Free

Sales Product Name	TDA21520	Issued	08. April 2022
MA#	MA005584120		
Package	PG-IQFN-25-1	Weight*	67.87 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	0.224	0.33	0.33	3297	3297
chip_2	inorganic material	silicon	7440-21-3	0.430	0.63	0.63	6329	6329
chip_3	inorganic material	silicon	7440-21-3	1.159	1.71	1.71	17080	17080
leadframe	inorganic material	phosphorus	7723-14-0	0.006	0.01		95	
	non noble metal	zinc	7440-66-6	0.026	0.04		381	
	non noble metal	iron	7439-89-6	0.517	0.76		7613	
	non noble metal	copper	7440-50-8	20.980	30.91	31.72	309132	317221
wire	noble metal	gold	7440-57-5	0.290	0.43	0.43	4274	4274
encapsulation	organic material	carbon black	1333-86-4	0.247	0.36		3638	
	non noble metal	metal hydroxide	-	0.494	0.73		7277	
	inorganic material	amorphous silica	7631-86-9	1.729	2.55		25469	
	plastics	epoxy resin	-	2.469	3.64		36384	
	inorganic material	silicon dioxide	60676-86-0	19.755	29.11	36.39	291072	363840
leadfinish	noble metal	palladium	7440-05-3	0.002			24	
	noble metal	gold	7440-57-5	0.003			39	
	non noble metal	nickel	7440-02-0	0.048	0.07	0.07	712	775
plating	noble metal	silver	7440-22-4	0.472	0.70	0.70	6960	6960
solder	noble metal	silver	7440-22-4	0.064	0.09		945	
	non noble metal	tin	7440-31-5	0.128	0.19		1891	
	non noble metal	lead	7439-92-1	2.374	3.50	3.78	34976	37812
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005	0.01		73	
	non noble metal	zinc	7440-66-6	0.020	0.03		291	
	non noble metal	iron	7439-89-6	0.395	0.58		5818	
	non noble metal	copper	7440-50-8	16.033	23.62	24.24	236230	242412
*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.

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

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