

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21475	**Issued**	21. August 2021
MA#	MA003261112		
Package	PG-IQFN-39-5	**Weight***	98.22 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	0.921	0.94	0.94	9372	9372
chip_2	inorganic material	silicon	7440-21-3	0.261	0.27	0.27	2662	2662
chip_3	inorganic material	silicon	7440-21-3	0.966	0.98	0.98	9834	9834
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		113	
	non noble metal	zinc	7440-66-6	0.045	0.05		453	
	non noble metal	iron	7439-89-6	0.890	0.91		9062	
	non noble metal	copper	7440-50-8	36.139	36.76	37.73	367943	377571
wire	noble metal	gold	7440-57-5	0.282	0.29	0.29	2869	2869
encapsulation	organic material	carbon black	1333-86-4	0.046	0.05		471	
	plastics	epoxy resin	-	2.383	2.43		24264	
	inorganic material	silicondioxide	60676-86-0	20.708	21.08	23.56	210833	235568
leadfinish	noble metal	palladium	7440-05-3	0.003			33	
	noble metal	gold	7440-57-5	0.005	0.01		53	
	non noble metal	nickel	7440-02-0	0.096	0.10	0.11	975	1061
plating	noble metal	gold	7440-57-5	0.015	0.02		154	
	noble metal	palladium	7440-05-3	0.047	0.05		479	
	noble metal	silver	7440-22-4	0.774	0.79		7876	
	non noble metal	nickel	7440-02-0	2.759	2.81	3.67	28088	36597
solder	noble metal	silver	7440-22-4	0.071	0.07		721	
	non noble metal	tin	7440-31-5	0.142	0.14		1442	
	non noble metal	lead	7439-92-1	2.620	2.67	2.88	26678	28841
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.009	0.01		89	
	non noble metal	zinc	7440-66-6	0.035	0.04		355	
	non noble metal	iron	7439-89-6	0.697	0.71		7095	
	non noble metal	copper	7440-50-8	28.295	28.81	29.57	288086	295625
*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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