

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21490	**Issued**	08. April 2022
MA#	MA005584124		
Package	PG-IQFN-39-7	**Weight***	106.69 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	0.352	0.33	0.33	3302	3302
chip_2	inorganic material	silicon	7440-21-3	0.966	0.91	0.91	9053	9053
chip_3	inorganic material	silicon	7440-21-3	1.538	1.44	1.44	14419	14419
leadframe	inorganic material	phosphorus	7723-14-0	0.011	0.01		107	
	non noble metal	zinc	7440-66-6	0.045	0.04		426	
	non noble metal	iron	7439-89-6	0.909	0.85		8521	
	non noble metal	copper	7440-50-8	36.911	34.61	35.51	345978	355032
wire	noble metal	gold	7440-57-5	0.291	0.27	0.27	2728	2728
encapsulation	organic material	carbon black	1333-86-4	0.360	0.34		3372	
	non noble metal	metal hydroxide	-	0.720	0.67		6744	
	inorganic material	amorphous silica	7631-86-9	2.518	2.36		23606	
	plastics	epoxy resin	-	3.598	3.37		33722	
	inorganic material	silicondioxide	60676-86-0	28.782	26.98	33.72	269778	337222
leadfinish	noble metal	palladium	7440-05-3	0.003			27	
	noble metal	gold	7440-57-5	0.005			43	
	non noble metal	nickel	7440-02-0	0.084	0.08	0.08	790	860
plating	noble metal	silver	7440-22-4	0.621	0.58	0.58	5820	5820
solder	noble metal	silver	7440-22-4	0.099	0.09		928	
	non noble metal	tin	7440-31-5	0.198	0.19		1856	
	non noble metal	lead	7439-92-1	3.663	3.43	3.71	34336	37120
heat sink clip	inorganic material	phosphorus	7723-14-0	0.008	0.01		70	
	non noble metal	zinc	7440-66-6	0.030	0.03		281	
	non noble metal	iron	7439-89-6	0.600	0.56		5627	
	non noble metal	copper	7440-50-8	24.374	22.85	23.45	228466	234444
*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.

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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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