



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	TDA38840	<b>Issued</b>	09. February 2022
<b>MA#</b>	MA005584258		
<b>Package</b>	PG-IQFN-36-2	<b>Weight*</b>	108.41 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	0.200	0.18	0.18	1840	1840
chip_2	inorganic material	silicon	7440-21-3	0.690	0.64	0.64	6366	6366
chip_3	inorganic material	silicon	7440-21-3	1.552	1.43	1.43	14314	14314
leadframe	inorganic material	phosphorus	7723-14-0	0.012	0.01		108	
	non noble metal	zinc	7440-66-6	0.047	0.04		430	
	non noble metal	iron	7439-89-6	0.933	0.86		8608	
	non noble metal	copper	7440-50-8	37.891	34.97	35.88	349521	358667
wire	noble metal	gold	7440-57-5	3.827	3.53	3.53	35300	35300
encapsulation	organic material	carbon black	1333-86-4	0.078	0.07		716	
	plastics	epoxy resin	-	3.999	3.69		36885	
	inorganic material	silicondioxide	60676-86-0	34.746	32.05	35.81	320507	358108
leadfinish	noble metal	palladium	7440-05-3	0.003			28	
	noble metal	gold	7440-57-5	0.005			46	
	non noble metal	nickel	7440-02-0	0.091	0.08	0.08	836	910
plating	noble metal	silver	7440-22-4	0.248	0.23	0.23	2292	2292
solder	noble metal	silver	7440-22-4	0.087	0.08		805	
	non noble metal	tin	7440-31-5	0.175	0.16		1611	
	non noble metal	lead	7439-92-1	3.231	2.98	3.22	29799	32215
heat sink clip	inorganic material	phosphorus	7723-14-0	0.006	0.01		57	
	non noble metal	zinc	7440-66-6	0.025	0.02		228	
	non noble metal	iron	7439-89-6	0.494	0.46		4560	
	non noble metal	copper	7440-50-8	20.071	18.51	19.00	185143	189988
*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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