

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TDA21220	**Issued**	05. April 2021
MA#	MA001785344		
Package	PG-IQFN-40-1	**Weight***	99.88 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	0.707	0.71	0.71	7074	7074
chip_2	inorganic material	silicon	7440-21-3	0.620	0.62	0.62	6205	6205
chip_3	inorganic material	silicon	7440-21-3	0.210	0.21	0.21	2100	2100
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		128	
	non noble metal	zinc	7440-66-6	0.051	0.05		511	
	non noble metal	iron	7439-89-6	1.020	1.02		10215	
	non noble metal	copper	7440-50-8	41.428	41.48	42.56	414790	425644
wire	noble metal	gold	7440-57-5	0.308	0.31	0.31	3080	3080
encapsulation	organic material	carbon black	1333-86-4	0.086	0.09		858	
	plastics	epoxy resin	-	4.415	4.42		44205	
	inorganic material	silicondioxide	60676-86-0	38.363	38.41	42.92	384111	429174
leadfinish	non noble metal	tin	7440-31-5	1.567	1.57	1.57	15694	15694
plating	noble metal	silver	7440-22-4	1.920	1.92	1.92	19227	19227
solder	non noble metal	tin	7440-31-5	0.021	0.02		213	
	noble metal	silver	7440-22-4	0.027	0.03		266	
	non noble metal	lead	7439-92-1	1.016	1.02	1.07	10168	10647
glue	plastics	epoxy resin	-	0.123	0.12		1235	
	noble metal	silver	7440-22-4	0.370	0.37	0.49	3706	4941
heat sink clip	inorganic material	phosphorus	7723-14-0	0.002			21	
	non noble metal	zinc	7440-66-6	0.008	0.01		82	
	non noble metal	iron	7439-89-6	0.164	0.16		1640	
	non noble metal	copper	7440-50-8	6.651	6.66	6.83	66593	68336
clip plating	noble metal	silver	7440-22-4	0.787	0.79	0.79	7878	7878
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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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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