



Material Content Data Sheet



Halogen-Free

Sales Product Name	TDA5221	Issued	10. May 2021
MA#	MA001586588		
Package	PG-TSSOP-28-17	Weight*	108.17 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.457	2.27	2.27	22716	22716
leadframe	inorganic material	phosphorus	7723-14-0	0.010	0.01		97	
	non noble metal	zinc	7440-66-6	0.042	0.04		387	
	non noble metal	iron	7439-89-6	0.837	0.77		7735	
	non noble metal	copper	7440-50-8	33.975	31.41	32.23	314083	322302
wire	noble metal	gold	7440-57-5	0.349	0.32	0.32	3226	3226
encapsulation	organic material	carbon black	1333-86-4	0.197	0.18		1819	
	plastics	epoxy resin	-	7.672	7.09		70926	
	inorganic material	silicondioxide	60676-86-0	57.705	53.37	60.64	533464	606209
leadfinish	noble metal	palladium	7440-05-3	0.026	0.02		237	
	noble metal	gold	7440-57-5	0.041	0.04		381	
	non noble metal	nickel	7440-02-0	0.903	0.83	0.89	8349	8967
plating	noble metal	palladium	7440-05-3	0.077	0.07		714	
	noble metal	gold	7440-57-5	0.124	0.11		1148	
	non noble metal	nickel	7440-02-0	2.719	2.51	2.69	25133	26995
glue	plastics	epoxy resin	-	0.259	0.24		2396	
	noble metal	silver	7440-22-4	0.778	0.72	0.96	7189	9585
*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.
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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 does not use any exemption.

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