



Material Content Data Sheet



Sales Product Name		TDA5221		Issued		20. July 2018		
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	
wire	non noble metal	copper	7440-50-8	33.975	31.41	32.23	314083	322302
	noble metal	gold	7440-57-5	0.349	0.32	0.32	3226	3226
	organic material	carbon black	1333-86-4	0.197	0.18		1819	
encapsulation	plastics	epoxy resin	-	7.672	7.09		70927	
	inorganic material	silicondioxide	60676-86-0	57.705	53.37	60.64	533463	606209
leadfinish	noble metal	gold	7440-57-5	0.041	0.04		381	
	noble metal	palladium	7440-05-3	0.026	0.02		237	
	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.
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 does not use any exemption

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