



Material Content Data Sheet



Sales Product Name		TLE42644G		Issued		25. September 2017			
MA#		MA001259564							
Package		PG-SOT223-4-21		Weight*		112.21 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	1.419	1.26	1.26	12650	12650	
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		90		
	non noble metal	titanium	7440-32-6	0.051	0.05		452		
	non noble metal	chromium	7440-47-3	0.152	0.14		1356		
wire	non noble metal	copper	7440-50-8	50.489	44.99	45.19	449956	451854	
	noble metal	gold	7440-57-5	0.151	0.13	0.13	1345	1345	
	encapsulation	organic material	carbon black	1333-86-4	0.459	0.41		4091	
encapsulation	plastics	brominated resin	-	0.574	0.51		5114		
	inorganic material	antimonytrioxide	1309-64-4	1.148	1.02		10228		
	plastics	epoxy resin	-	10.444	9.31		93077		
	inorganic material	silicondioxide	60676-86-0	44.761	39.89	51.14	398903	511413	
leadfinish	non noble metal	tin	7440-31-5	1.482	1.32	1.32	13210	13210	
plating	noble metal	silver	7440-22-4	0.513	0.46	0.46	4572	4572	
glue	plastics	epoxy resin	-	0.097	0.09		867		
	noble metal	silver	7440-22-4	0.459	0.41	0.50	4089	4956	
*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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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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