



Material Content Data Sheet



Sales Product Name		TLE42644G		Issued		19. July 2018		
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	
	non noble metal	copper	7440-50-8	50.489	44.99	45.19	449956	451854
wire	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	
	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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