



Material Content Data Sheet



Sales Product Name		TLE4964-4M		Issued		9. January 2019			
MA#		MA004166782							
Package		PG-SOT23-3-15		Weight*		9.82 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	0.350	3.56	3.56	35596	35596	
leadframe	inorganic material	silicon	7440-21-3	0.001	0.01		73		
		non noble metal	titanium	7440-32-6	0.004	0.04		367	
		non noble metal	chromium	7440-47-3	0.011	0.11		1101	
wire	noble metal	non noble metal	copper	7440-50-8	3.590	36.56	36.72	365603	367144
		noble metal	gold	7440-57-5	0.018	0.19	0.19	1854	1854
		organic material	carbon black	1333-86-4	0.054	0.55		5463	
encapsulation	plastics	epoxy resin	-	1.153	11.75		117459		
		inorganic material	silicondioxide	60676-86-0	4.157	42.33	54.63	423398	546320
leadfinish	non noble metal	tin	7440-31-5	0.150	1.52	1.52	15241	15241	
plating	noble metal	silver	7440-22-4	0.149	1.51	1.51	15133	15133	
glue	plastics	epoxy resin	-	0.032	0.33		3275		
		noble metal	silver	7440-22-4	0.152	1.54	1.87	15437	18712
*deviation	< 10%				Sum in total:		100.00	1000000	

Important Remarks:

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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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com