



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE4921-5U		<b>Issued</b>		19. January 2018		
<b>MA#</b>		MA001607138						
<b>Package</b>		PG-SSO-4-1		<b>Weight*</b>		112.58 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	1.694	1.50	1.50	15045	15045
leadframe	non noble metal	chromium	7440-47-3	0.229	0.20		2032	
	non noble metal	titanium	7440-32-6	0.229	0.20		2032	
	non noble metal	nickel	7440-02-0	0.305	0.27		2710	
	non noble metal	tin	7440-31-5	0.458	0.41		4065	
	non noble metal	copper	7440-50-8	75.040	66.67	67.75	666585	677424
wire	noble metal	gold	7440-57-5	0.073	0.06	0.06	650	650
encapsulation	organic material	carbon black	1333-86-4	0.210	0.19		1863	
	plastics	brominated resin	-	0.262	0.23		2329	
	inorganic material	antimonytrioxide	1309-64-4	0.524	0.47		4658	
	plastics	epoxy resin	-	4.772	4.24		42390	
	inorganic material	silicondioxide	60676-86-0	20.451	18.17	23.30	181670	232910
leadfinish	non noble metal	tin	7440-31-5	7.027	6.24	6.24	62423	62423
plating	noble metal	silver	7440-22-4	0.655	0.58	0.58	5817	5817
glue	plastics	epoxy resin	-	0.129	0.11		1146	
	noble metal	silver	7440-22-4	0.516	0.46	0.57	4585	5731
*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