



Material Content Data Sheet



Sales Product Name		TLE7181EM		Issued		1. August 2018		
MA#		MA000978512						
Package		PG-SSOP-24-4		Weight*		150.88 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	4.244	2.81	2.81	28131	28131
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		111	
	non noble metal	zinc	7440-66-6	0.067	0.04		446	
	non noble metal	iron	7439-89-6	1.345	0.89		8915	
wire	non noble metal	copper	7440-50-8	54.617	36.20	37.14	362002	371474
	noble metal	gold	7440-57-5	0.537	0.36	0.36	3556	3556
	encapsulation	organic material	carbon black	1333-86-4	0.171	0.11		1136
plastics	plastics	epoxy resin	-	7.886	5.23		52271	
	inorganic material	silicondioxide	60676-86-0	77.663	51.47	56.81	514753	568160
leadfinish	non noble metal	tin	7440-31-5	2.911	1.93	1.93	19294	19294
plating	noble metal	silver	7440-22-4	0.234	0.16	0.16	1553	1553
glue	plastics	epoxy resin	-	0.295	0.20		1958	
	noble metal	silver	7440-22-4	0.886	0.59	0.79	5874	7832
*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

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