



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE8888QK		<b>Issued</b>		25. January 2018			
<b>MA#</b>		MA001389856							
<b>Package</b>		PG-LQFP-100-12		<b>Weight*</b>		765.80 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	52.824	6.90	6.90	68979	68979	
leadframe	inorganic material	phosphorus	7723-14-0	0.072	0.01		95		
		non noble metal	zinc	7440-66-6	0.290	0.04		378	
		non noble metal	iron	7439-89-6	5.791	0.76		7562	
wire	non noble metal	copper	7440-50-8	235.125	30.70	31.51	307034	315069	
		copper	7440-50-8	4.228	0.55	0.55	5521	5521	
		encapsulation	organic material	carbon black	1333-86-4	2.193	0.29		2863
plastics	plastics	epoxy resin	-	59.201	7.73		77307		
		inorganic material	silicondioxide	60676-86-0	377.132	49.26	57.28	492472	572642
		leadfinish	noble metal	gold	7440-57-5	0.098	0.01		127
plating	noble metal	palladium	7440-05-3	0.098	0.01		127		
		silver	7440-22-4	0.098	0.01		127		
		non noble metal	nickel	7440-02-0	4.589	0.60	0.63	5992	6373
		noble metal	palladium	7440-05-3	0.239	0.03		312	
glue	noble metal	silver	7440-22-4	0.239	0.03		312		
		gold	7440-57-5	0.239	0.03		312		
		non noble metal	nickel	7440-02-0	11.247	1.47	1.56	14687	15623
		plastics	epoxy resin	-	3.024	0.39		3948	
*deviation	< 10%			9.071	1.18	1.57	11845	15793	
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