



## Material Content Data Sheet



<b>Sales Product Name</b>		TLE7183QU		<b>Issued</b>		25. January 2018		
<b>MA#</b>		MA000939876						
<b>Package</b>		PG-TQFP-48-8		<b>Weight*</b>		144.33 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	7.778	5.39	5.39	53892	53892
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		112	
	non noble metal	zinc	7440-66-6	0.065	0.04		447	
	non noble metal	iron	7439-89-6	1.291	0.89		8944	
wire	non noble metal	copper	7440-50-8	52.414	36.32	37.26	363163	372666
	non noble metal	copper	7440-50-8	0.426	0.30	0.30	2950	2950
	encapsulation	organic material	carbon black	1333-86-4	0.380	0.26		2636
leadfinish	plastics	epoxy resin	-	10.272	7.12		71173	
	inorganic material	silicondioxide	60676-86-0	65.438	45.33	52.71	453396	527205
	noble metal	palladium	7440-05-3	0.032	0.02		219	
plating	noble metal	silver	7440-22-4	0.028	0.02		191	
	noble metal	gold	7440-57-5	0.051	0.04		352	
	non noble metal	nickel	7440-02-0	1.089	0.75	0.83	7542	8304
	noble metal	silver	7440-22-4	0.075	0.05		522	
	noble metal	gold	7440-57-5	0.138	0.10		959	
glue	noble metal	palladium	7440-05-3	0.086	0.06		596	
	non noble metal	nickel	7440-02-0	2.967	2.06	2.27	20557	22634
	plastics	epoxy resin	-	0.446	0.31		3087	
*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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