



Material Content Data Sheet



Sales Product Name		TLE7183QU		Issued		23. January 2018			
MA#		MA000959890							
Package		PG-TQFP-48-8		Weight*		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	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
encapsulation	plastics	epoxy resin	-	10.272	7.12		71173		
		inorganic material	silicondioxide	60676-86-0	65.438	45.33	52.71	453396	527205
		leadfinish	noble metal	palladium	7440-05-3	0.032	0.02		219
noble metal	silver			7440-22-4	0.028	0.02		191	
noble metal	gold			7440-57-5	0.051	0.04		352	
plating	non noble metal	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	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:

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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

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