



Material Content Data Sheet



Sales Product Name		TLE7183QU		Issued		19. January 2018		
MA#		MA000962266						
Package		PG-TQFP-48-8		Weight*		144.96 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	10.145	7.00	7.00	69985	69985
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		111	
	non noble metal	zinc	7440-66-6	0.065	0.04		445	
	non noble metal	iron	7439-89-6	1.291	0.89		8905	
wire	non noble metal	copper	7440-50-8	52.414	36.16	37.10	361567	371028
	non noble metal	copper	7440-50-8	0.426	0.29	0.29	2937	2937
	encapsulation	organic material	carbon black	1333-86-4	0.369	0.25		2542
leadfinish	plastics	epoxy resin	-	9.951	6.86		68641	
	inorganic material	silicondioxide	60676-86-0	63.389	43.73	50.84	437271	508454
	noble metal	palladium	7440-05-3	0.032	0.02		218	
plating	noble metal	silver	7440-22-4	0.028	0.02		191	
	noble metal	gold	7440-57-5	0.051	0.04		350	
	non noble metal	nickel	7440-02-0	1.089	0.75	0.83	7509	8268
	noble metal	silver	7440-22-4	0.075	0.05		520	
	noble metal	gold	7440-57-5	0.138	0.10		955	
glue	noble metal	palladium	7440-05-3	0.086	0.06		594	
	non noble metal	nickel	7440-02-0	2.967	2.05	2.26	20467	22536
	plastics	epoxy resin	-	0.609	0.42		4198	
*deviation	< 10%			1.826	1.26	1.68	12594	16792
Sum in total:						100.00		1000000

Important Remarks:

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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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