



Material Content Data Sheet



Sales Product Name		TLE8888-2QK		Issued		23. January 2018			
MA#		MA001998120							
Package		PG-LQFP-100-26		Weight*		730.58 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	7.23	7.23	72304	72304	
leadframe	inorganic material	phosphorus	7723-14-0	0.063	0.01		86		
		non noble metal	zinc	7440-66-6	0.251	0.03		344	
		non noble metal	iron	7439-89-6	5.027	0.69		6881	
wire	non noble metal	copper	7440-50-8	204.110	27.94	28.67	279381	286692	
		copper	7440-50-8	4.222	0.58	0.58	5780	5780	
		encapsulation	organic material	carbon black	1333-86-4	2.194	0.30		3003
plastics	plastics	epoxy resin	-	59.239	8.11		81085		
		inorganic material	silicondioxide	60676-86-0	377.374	51.66	60.07	516541	600629
		leadfinish	noble metal	palladium	7440-05-3	0.003	0.00		4
plating	noble metal	silver	7440-22-4	0.003	0.00		4		
		gold	7440-57-5	0.005	0.00		7		
		nickel	7440-02-0	5.074	0.69	0.69	6945	6960	
glue	plastics	silver	7440-22-4	0.004	0.00		6		
		palladium	7440-05-3	0.005	0.00		7		
		gold	7440-57-5	0.008	0.00		11		
*deviation	< 10%	nickel	7440-02-0	8.077	1.11	1.11	11056	11080	
		plastics	epoxy resin	-	3.024	0.41		4139	
		noble metal	silver	7440-22-4	9.071	1.24	1.65	12416	16555
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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