



Material Content Data Sheet



Sales Product Name		TLE8242-2L		Issued		19. January 2018			
MA#		MA001505526							
Package		PG-LQFP-64-20		Weight*		384.44 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	23.915	6.22	6.22	62207	62207	
leadframe	inorganic material	phosphorus	7723-14-0	0.039	0.01		102		
		non noble metal	zinc	7440-66-6	0.156	0.04		407	
		non noble metal	iron	7439-89-6	3.128	0.81		8138	
wire	non noble metal	copper	7440-50-8	127.029	33.04	33.90	330427	339074	
		copper	7440-50-8	0.861	0.22	0.22	2240	2240	
		encapsulation	organic material	carbon black	1333-86-4	1.114	0.29		2899
plastics	plastics	epoxy resin	-	30.090	7.83		78270		
		inorganic material	silicondioxide	60676-86-0	191.684	49.88	58.00	498607	579778
		leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		3
plating	noble metal	silver	7440-22-4	0.001	0.00		2		
		gold	7440-57-5	0.002	0.00		5		
		non noble metal	nickel	7440-02-0	1.779	0.46	0.46	4627	4637
		noble metal	palladium	7440-05-3	0.000	0.00		1	
glue	non noble metal	nickel	7440-02-0	0.267	0.07		695		
		noble metal	silver	7440-22-4	0.000	0.00		1	
		noble metal	gold	7440-57-5	0.000	0.00	0.07	1	696
		plastics	epoxy resin	-	1.093	0.28		2842	
*deviation	< 10%			3.278	0.85	1.13	8526	11368	
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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