

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE9243QK	**Issued**	08. April 2022
MA#	MA005557786		
Package	PG-LQFP-64-28	**Weight***	358.64 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	18.994	5.30	5.30	52961	52961
leadframe	inorganic material	phosphorus	7723-14-0	0.028	0.01		77	
	non noble metal	zinc	7440-66-6	0.110	0.03		308	
	non noble metal	iron	7439-89-6	2.206	0.62		6150	
	non noble metal	copper	7440-50-8	89.560	24.97	25.63	249722	256257
wires	noble metal	palladium	7440-05-3	0.012			33	
	non noble metal	copper	7440-50-8	1.175	0.33	0.33	3275	3308
encapsulation	organic material	carbon black	1333-86-4	0.703	0.20		1960	
	plastics	epoxy resin	-	29.754	8.30		82964	
	inorganic material	silicondioxide	60676-86-0	203.828	56.83	65.33	568337	653261
leadfinish	noble metal	palladium	7440-05-3	0.001			3	
	noble metal	silver	7440-22-4	0.001			3	
	noble metal	gold	7440-57-5	0.002			5	
	non noble metal	nickel	7440-02-0	1.685	0.47	0.47	4699	4710
plating	noble metal	silver	7440-22-4	0.003			8	
	noble metal	palladium	7440-05-3	0.003			9	
	noble metal	gold	7440-57-5	0.005			14	
	non noble metal	nickel	7440-02-0	5.132	1.43	1.43	14309	14340
glue	plastics	epoxy resin	-	1.196	0.33		3336	
	noble metal	silver	7440-22-4	4.242	1.18	1.51	11827	15163
*deviation	< 10%				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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