

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE8888-1QK	**Issued**	07. April 2021
MA#	MA004818972		
Package	PG-LQFP-100-26	**Weight***	700.88 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	7.54	7.54	75368	75368
leadframe	inorganic material	phosphorus	7723-14-0	0.054	0.01		77	
	non noble metal	zinc	7440-66-6	0.216	0.03		308	
	non noble metal	iron	7439-89-6	4.316	0.62		6157	
	non noble metal	copper	7440-50-8	175.229	25.00	25.66	250012	256554
wire	non noble metal	copper	7440-50-8	4.205	0.60	0.60	6000	6000
encapsulation	organic material	carbon black	1333-86-4	2.197	0.31		3134	
	plastics	epoxy resin	-	59.312	8.46		84626	
	inorganic material	silicondioxide	60676-86-0	377.843	53.92	62.69	539097	626857
leadfinish	noble metal	palladium	7440-05-3	0.003			4	
	noble metal	silver	7440-22-4	0.003			4	
	noble metal	gold	7440-57-5	0.005			7	
	non noble metal	nickel	7440-02-0	4.969	0.71	0.71	7090	7105
plating	noble metal	silver	7440-22-4	0.004			6	
	noble metal	palladium	7440-05-3	0.005			7	
	noble metal	gold	7440-57-5	0.008			11	
	non noble metal	nickel	7440-02-0	7.594	1.08	1.08	10836	10860
glue	plastics	epoxy resin	-	3.024	0.43		4314	
	noble metal	silver	7440-22-4	9.071	1.29	1.72	12942	17256
*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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