

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE7183F	**Issued**	02. June 2021
MA#	MA001337612		
Package	PG-VQFN-48-72	**Weight***	229.03 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	7.778	3.40	3.40	33960	33960
leadframe	inorganic material	phosphorus	7723-14-0	0.032	0.01		139	
	non noble metal	zinc	7440-66-6	0.127	0.06		555	
	non noble metal	iron	7439-89-6	2.541	1.11		11093	
	non noble metal	copper	7440-50-8	103.165	45.04	46.22	450440	462227
wires	noble metal	palladium	7440-05-3	0.012	0.01		51	
	non noble metal	copper	7440-50-8	1.153	0.50	0.51	5036	5087
encapsulation	organic material	carbon black	1333-86-4	0.325	0.14		1418	
	plastics	epoxy resin	-	16.995	7.42		74203	
	inorganic material	silicondioxide	60676-86-0	90.929	39.70	47.26	397012	472633
leadfinish	noble metal	silver	7440-22-4	0.001			4	
	noble metal	palladium	7440-05-3	0.001			5	
	noble metal	gold	7440-57-5	0.002			7	
	non noble metal	nickel	7440-02-0	1.703	0.74	0.74	7437	7453
plating	noble metal	palladium	7440-05-3	0.001			5	
	noble metal	silver	7440-22-4	0.001			5	
	noble metal	gold	7440-57-5	0.002			9	
	non noble metal	nickel	7440-02-0	2.037	0.89	0.89	8894	8913
glue	plastics	epoxy resin	-	0.356	0.16		1556	
	noble metal	silver	7440-22-4	1.871	0.82	0.98	8171	9727
*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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