

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE7183QU	**Issued**	02. June 2021
MA#	MA001368452		
Package	PG-TQFP-48-9	**Weight***	146.10 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	10.145	6.94	6.94	69441	69441
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		114	
	non noble metal	zinc	7440-66-6	0.067	0.05		458	
	non noble metal	iron	7439-89-6	1.337	0.92		9151	
	non noble metal	copper	7440-50-8	54.283	37.15	38.13	371549	381272
wire	non noble metal	copper	7440-50-8	0.426	0.29	0.29	2914	2914
encapsulation	organic material	carbon black	1333-86-4	0.368	0.25		2516	
	plastics	epoxy resin	-	9.926	6.79		67936	
	inorganic material	silicondioxide	60676-86-0	63.229	43.29	50.33	432781	503233
leadfinish	noble metal	silver	7440-22-4	0.001			7	
	noble metal	palladium	7440-05-3	0.001			8	
	noble metal	gold	7440-57-5	0.002			12	
	non noble metal	nickel	7440-02-0	1.808	1.24	1.24	12378	12405
plating	noble metal	silver	7440-22-4	0.001			8	
	noble metal	palladium	7440-05-3	0.001			9	
	noble metal	gold	7440-57-5	0.002			14	
	non noble metal	nickel	7440-02-0	2.052	1.40	1.40	14043	14074
glue	plastics	epoxy resin	-	0.609	0.42		4165	
	noble metal	silver	7440-22-4	1.826	1.25	1.67	12496	16661
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com