



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE7183QU	Issued	11. August 2021
MA#	MA001370034		
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	palladium	7440-05-3	0.001			8	
	noble metal	silver	7440-22-4	0.001			7	
	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	gold	7440-57-5	0.002			14	
	noble metal	palladium	7440-05-3	0.001			9	
	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:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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