



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE9241QU	Issued	14. May 2021
MA#	MA003401916		
Package	PG-TQFP-48-9	Weight*	145.32 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	6.463	4.45	4.45	44475	44475
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		115	
	non noble metal	zinc	7440-66-6	0.067	0.05		460	
	non noble metal	iron	7439-89-6	1.337	0.92		9200	
	non noble metal	copper	7440-50-8	54.283	37.35	38.33	373549	383324
wire	non noble metal	copper	7440-50-8	0.457	0.31	0.31	3147	3147
encapsulation	organic material	carbon black	1333-86-4	0.385	0.26		2649	
	plastics	epoxy resin	-	10.394	7.15		71526	
	inorganic material	silicondioxide	60676-86-0	66.214	45.58	52.99	455649	529824
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	12444	12471
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	1.41	1.41	14119	14150
glue	plastics	epoxy resin	-	0.458	0.32		3152	
	noble metal	silver	7440-22-4	1.374	0.95	1.27	9457	12609
*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