



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE9879QTW40	Issued	08. February 2022
MA#	MA005349134		
Package	PG-TQFP-48-10	Weight*	145.41 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	6.574	4.52	4.52	45210	45210
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		9194	
	non noble metal	copper	7440-50-8	54.283	37.33	38.31	373324	383093
wire	non noble metal	copper	7440-50-8	0.541	0.37	0.37	3719	3719
encapsulation	organic material	carbon black	1333-86-4	0.231	0.16		1586	
	plastics	epoxy resin	-	9.763	6.71		67142	
	inorganic material	silicondioxide	60676-86-0	66.879	46.01	52.88	459945	528673
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	12437	12464
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	14111	14142
glue	plastics	epoxy resin	-	0.462	0.32		3175	
	noble metal	silver	7440-22-4	1.385	0.95	1.27	9524	12699
*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