



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLE7183F	Issued	02. June 2021
MA#	MA001336854		
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
wire	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:

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