

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE7184F3V	**Issued**	19. September 2019
MA#	MA005401528		
Package	PG-VQFN-48-72	**Weight***	228.44 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	5.659	2.48	2.48	24773	24773
leadframe	inorganic material	phosphorus	7723-14-0	0.032	0.01		139	
	non noble metal	zinc	7440-66-6	0.127	0.06		556	
	non noble metal	iron	7439-89-6	2.541	1.11		11122	
	non noble metal	copper	7440-50-8	103.165	45.17	46.35	451612	463429
wires	noble metal	palladium	7440-05-3	0.012	0.01		51	
	non noble metal	copper	7440-50-8	1.146	0.50	0.51	5018	5069
encapsulation	organic material	carbon black	1333-86-4	0.331	0.14		1448	
	plastics	epoxy resin	-	17.306	7.58		75756	
	inorganic material	silicondioxide	60676-86-0	92.591	40.53	48.25	405321	482525
leadfinish	noble metal	silver	7440-22-4	0.001	0.00		4	
	noble metal	palladium	7440-05-3	0.001	0.00		5	
	noble metal	gold	7440-57-5	0.002	0.00		7	
	non noble metal	nickel	7440-02-0	1.703	0.75	0.75	7457	7473
plating	noble metal	palladium	7440-05-3	0.001	0.00		5	
	noble metal	silver	7440-22-4	0.001	0.00		5	
	noble metal	gold	7440-57-5	0.002	0.00		9	
	non noble metal	nickel	7440-02-0	2.037	0.89	0.89	8917	8936
glue	plastics	epoxy resin	-	0.285	0.12		1247	
	noble metal	silver	7440-22-4	1.496	0.65	0.77	6548	7795
*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 München
Internet	www.infineon.com