



Material Content Data Sheet



Sales Product Name		TLE7183F		Issued		25. January 2018		
MA#		MA001337624						
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	
wire	non noble metal	copper	7440-50-8	103.165	45.04	46.22	450440	462227
	noble metal	palladium	7440-05-3	0.012	0.01		51	
encapsulation	non noble metal	copper	7440-50-8	1.153	0.50	0.51	5036	5087
	organic material	carbon black	1333-86-4	0.325	0.14		1418	
	plastics	epoxy resin	-	16.995	7.42		74203	
leadfinish	inorganic material	silicondioxide	60676-86-0	90.929	39.70	47.26	397012	472633
	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	
plating	non noble metal	nickel	7440-02-0	1.703	0.74	0.74	7437	7453
	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	
glue	non noble metal	nickel	7440-02-0	2.037	0.89	0.89	8894	8913
	plastics	epoxy resin	-	0.356	0.16		1556	
*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.
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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

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