



Material Content Data Sheet



Sales Product Name		TLI4970-D050T5		Issued		20. July 2018		
MA#		MA001396736						
Package		PG-TISON-8-1		Weight*		133.04 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	3.226	2.42	2.42	24244	24244
leadframe	non noble metal	chromium	7440-47-3	0.123	0.09		923	
	non noble metal	tin	7440-31-5	0.102	0.08		769	
	non noble metal	zinc	7440-66-6	0.082	0.06		615	
wire	non noble metal	copper	7440-50-8	40.635	30.54	30.77	305424	307731
	noble metal	gold	7440-57-5	0.265	0.20	0.20	1991	1991
encapsulation	organic material	carbon black	1333-86-4	0.174	0.13		1306	
	plastics	epoxy resin	-	10.683	8.03		80298	
	inorganic material	silicondioxide	60676-86-0	75.998	57.12	65.28	571225	652829
leadfinish	non noble metal	tin	7440-31-5	1.143	0.86	0.86	8589	8589
plating	noble metal	silver	7440-22-4	0.090	0.07	0.07	676	676
glue	plastics	acrylic resin	-	0.131	0.10		985	
	plastics	epoxy resin	-	0.131	0.10		985	
	inorganic material	silicondioxide	60676-86-0	0.262	0.20	0.40	1970	3940
*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

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