



Material Content Data Sheet



Halogen-Free

Sales Product Name TL14971-A050T5-U-E0001

Issued

09. February 2022

MA# MA005539130

Package PG-TISON-8-5

Weight*

172.44 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	1.017	0.59	0.59	5895	5895
leadframe	non noble metal	zinc	7440-66-6	0.103	0.06		599	
	non noble metal	tin	7440-31-5	0.129	0.07		749	
	non noble metal	chromium	7440-47-3	0.155	0.09		899	
	non noble metal	copper	7440-50-8	51.262	29.73	29.95	297281	299528
wire	noble metal	gold	7440-57-5	0.270	0.16	0.16	1563	1563
encapsulation	organic material	carbon black	1333-86-4	0.235	0.14		1363	
	plastics	epoxy resin	-	14.455	8.38		83829	
	inorganic material	silicondioxide	60676-86-0	102.831	59.63	68.15	596346	681538
leadfinish	non noble metal	tin	7440-31-5	1.774	1.03	1.03	10286	10286
plating	noble metal	silver	7440-22-4	0.083	0.05	0.05	482	482
tape	miscellaneous	miscellaneous	-	0.001			7	
	plastics	phenol resin	-	0.006			35	
	inorganic material	amorphous silica	7631-86-9	0.051	0.03		298	
	plastics	acrylic resin	-	0.064	0.04	0.07	368	708
*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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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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