



Material Content Data Sheet



Halogen-Free

Sales Product Name	TLF4277-2LD	Issued	18. August 2021
MA#	MA005409986		
Package	PG-TSON-10-2	Weight*	31.85 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	1.497	4.70	4.70	46988	46988
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		104	
	non noble metal	zinc	7440-66-6	0.013	0.04		416	
	non noble metal	iron	7439-89-6	0.265	0.83		8330	
	non noble metal	copper	7440-50-8	10.773	33.82	34.70	338222	347072
wire	non noble metal	copper	7440-50-8	0.041	0.13	0.13	1293	1293
encapsulation	organic material	carbon black	1333-86-4	0.037	0.11		1148	
	plastics	epoxy resin	-	1.883	5.91		59107	
	inorganic material	silicondioxide	60676-86-0	16.359	51.37	57.39	513599	573854
leadfinish	non noble metal	tin	7440-31-5	0.370	1.16	1.16	11619	11619
plating	noble metal	silver	7440-22-4	0.064	0.20	0.20	2018	2018
glue	plastics	epoxy resin	-	0.137	0.43		4289	
	noble metal	silver	7440-22-4	0.410	1.29	1.72	12867	17156
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com