

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	TLE8457BLE	**Issued**	24. February 2022
MA#	MA005708984		
Package	PG-TSON-8-1	**Weight***	26.94 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	1.221	4.53	4.53	45328	45328
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		110	
	non noble metal	zinc	7440-66-6	0.012	0.04		438	
	non noble metal	iron	7439-89-6	0.236	0.88		8764	
	non noble metal	copper	7440-50-8	9.586	35.59	36.52	355854	365166
wire	non noble metal	copper	7440-50-8	0.037	0.14	0.14	1370	1370
encapsulation	organic material	carbon black	1333-86-4	0.030	0.11		1109	
	plastics	epoxy resin	-	1.539	5.71		57135	
	inorganic material	silicondioxide	60676-86-0	13.374	49.65	55.47	496466	554710
leadfinish	non noble metal	tin	7440-31-5	0.382	1.42	1.42	14188	14188
plating	noble metal	silver	7440-22-4	0.043	0.16	0.16	1614	1614
glue	inorganic material	copperoxide	1317-38-0	0.012	0.04		441	
	miscellaneous	miscellaneous	-	0.014	0.05		529	
	plastics	epoxy resin	-	0.083	0.31		3084	
	noble metal	silver	7440-22-4	0.366	1.36	1.76	13570	17624
*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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