



Material Content Data Sheet



Halogen-Free

Sales Product Name IQE006NE2LM5

Issued

24. February 2022

MA# MA005705791

Package PG-TSON-8-4

Weight*

43.38 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	0.896	2.07	2.07	20664	20664
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		76	
	non noble metal	zinc	7440-66-6	0.013	0.03		305	
	non noble metal	iron	7439-89-6	0.265	0.61		6098	
	non noble metal	copper	7440-50-8	10.743	24.76	25.41	247621	254100
encapsulation	organic material	carbon black	1333-86-4	0.029	0.07		667	
	plastics	epoxy resin	-	1.491	3.44		34359	
	inorganic material	silicondioxide	60676-86-0	12.953	29.86	33.37	298560	333586
leadfinish	non noble metal	tin	7440-31-5	0.481	1.11	1.11	11089	11089
plating	noble metal	silver	7440-22-4	0.298	0.69	0.69	6870	6870
solder	noble metal	silver	7440-22-4	0.037	0.09		862	
	non noble metal	tin	7440-31-5	0.068	0.16		1565	
	non noble metal	lead	7439-92-1	1.390	3.20	3.45	32048	34475
heat sink clip	inorganic material	phosphorus	7723-14-0	0.004	0.01		102	
	non noble metal	iron	7439-89-6	0.015	0.03		339	
	non noble metal	copper	7440-50-8	14.697	33.86	33.90	338775	339216
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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