

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IQE06XN08NM5	**Issued**	08. April 2022
MA#	MA005418073		
Package	PG-TSON-8-4	**Weight***	41.58 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	2.16	2.16	21562	21562
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		80	
	non noble metal	zinc	7440-66-6	0.013	0.03		318	
	non noble metal	iron	7439-89-6	0.265	0.64		6364	
	non noble metal	copper	7440-50-8	10.743	25.84	26.52	258387	265149
encapsulation	organic material	carbon black	1333-86-4	0.025	0.06		590	
	plastics	epoxy resin	-	1.264	3.04		30411	
	inorganic material	silicondioxide	60676-86-0	10.987	26.42	29.52	264250	295251
leadfinish	non noble metal	tin	7440-31-5	0.882	2.12	2.12	21214	21214
plating	noble metal	silver	7440-22-4	0.329	0.79	0.79	7911	7911
solder	non noble metal	tin	7440-31-5	0.031	0.07		735	
	noble metal	silver	7440-22-4	0.035	0.08		834	
	non noble metal	lead	7439-92-1	1.321	3.18	3.33	31776	33345
heat sink clip	inorganic material	phosphorus	7723-14-0	0.004	0.01		107	
	non noble metal	iron	7439-89-6	0.015	0.04		356	
	non noble metal	copper	7440-50-8	14.764	35.51	35.56	355105	355568
*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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