

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IQE00XN03LM5CG	**Issued**	16. May 2021
MA#	MA005404070		
Package	PG-TTFN-9-1	**Weight***	46.08 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	1.95	1.95	19455	19455
leadframe	inorganic material	phosphorus	7723-14-0	0.004	0.01		87	
	non noble metal	zinc	7440-66-6	0.016	0.03		347	
	non noble metal	iron	7439-89-6	0.320	0.69		6947	
	non noble metal	copper	7440-50-8	12.997	28.21	28.94	282068	289449
encapsulation	organic material	carbon black	1333-86-4	0.029	0.06		628	
	plastics	epoxy resin	-	1.491	3.24		32366	
	inorganic material	silicondioxide	60676-86-0	12.959	28.12	31.42	281243	314237
leadfinish	non noble metal	tin	7440-31-5	0.866	1.88	1.88	18798	18798
plating	noble metal	silver	7440-22-4	0.330	0.72	0.72	7153	7153
solder	non noble metal	tin	7440-31-5	0.031	0.07		663	
	noble metal	silver	7440-22-4	0.035	0.08		752	
	non noble metal	lead	7439-92-1	1.321	2.87	3.02	28671	30086
heat sink clip	inorganic material	phosphorus	7723-14-0	0.004	0.01		96	
	non noble metal	iron	7439-89-6	0.015	0.03		321	
	non noble metal	copper	7440-50-8	14.764	32.03	32.07	320405	320822
*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.

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