



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IQE013N04LM6	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005448875		
<b>Package</b>	PG-TSON-8-4	<b>Weight*</b>	43.44 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	2.06	2.06	20636	20636
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		59	
	non noble metal	zinc	7440-66-6	0.010	0.02		237	
	non noble metal	iron	7439-89-6	0.206	0.47		4740	
	non noble metal	copper	7440-50-8	8.361	19.25	19.75	192457	197493
encapsulation	organic material	carbon black	1333-86-4	0.029	0.07		666	
	plastics	epoxy resin	-	1.491	3.43		34314	
	inorganic material	silicondioxide	60676-86-0	12.953	29.82	33.32	298169	333149
leadfinish	non noble metal	tin	7440-31-5	0.481	1.11	1.11	11074	11074
plating	noble metal	silver	7440-22-4	0.298	0.69	0.69	6861	6861
solder	non noble metal	tin	7440-31-5	0.026	0.06		595	
	noble metal	silver	7440-22-4	0.032	0.07		743	
	non noble metal	lead	7439-92-1	1.234	2.84	2.97	28400	29738
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	33.83	33.87	338330	338771
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			17	
	non noble metal	iron	7439-89-6	0.002	0.01		57	
	non noble metal	copper	7440-50-8	2.472	5.69	5.70	56906	56980
clip attach	non noble metal	tin	7440-31-5	0.005	0.01		106	
	noble metal	silver	7440-22-4	0.006	0.01		132	
	non noble metal	lead	7439-92-1	0.220	0.51	0.53	5060	5298
*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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