



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	IKQ40N120CH3	<b>Issued</b>	24. June 2021
<b>MA#</b>	MA005424512		
<b>Package</b>	PG-TO247-3-52	<b>Weight*</b>	6811.27 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	7.368	0.11	0.11	1082	1082
chip_2	inorganic material	silicon	7440-21-3	12.542	0.18	0.18	1841	1841
leadframe	inorganic material	phosphorus	7723-14-0	1.427	0.02		209	
	non noble metal	iron	7439-89-6	4.755	0.07		698	
	non noble metal	copper	7440-50-8	4,748.843	69.74	69.83	697205	698112
wire	non noble metal	aluminium	7429-90-5	29.440	0.43	0.43	4322	4322
encapsulation	organic material	carbon black	1333-86-4	9.807	0.14		1440	
	plastics	epoxy resin	-	392.273	5.76		57592	
	inorganic material	silicondioxide	60676-86-0	1,559.287	22.89	28.79	228928	287960
leadfinish	non noble metal	tin	7440-31-5	33.555	0.49	0.49	4926	4926
plating	non noble metal	nickel	7440-02-0	2.052	0.03	0.03	301	301
solder	non noble metal	antimony	7440-36-0	0.992	0.01		146	
	noble metal	silver	7440-22-4	2.479	0.04		364	
	non noble metal	tin	7440-31-5	6.446	0.09	0.14	946	1456
*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.
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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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