

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMSQ120R053M2HB	**Issued**	22. September 2026
MA#	MA006132186		
Package	PG-HDSOP-16-221	**Weight***	1878.25 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	non noble metal	tin	7440-31-5	0.053	0.003	0.184	28	1836
	noble metal	gold	7440-57-5	0.207	0.011		110	
	inorganic material	siliconcarbide	409-21-2	3.187	0.170		1697	
chip_2	non noble metal	tin	7440-31-5	0.037	0.002	0.127	20	1268
	noble metal	gold	7440-57-5	0.143	0.008		76	
	inorganic material	siliconcarbide	409-21-2	2.201	0.117		1172	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.638	173	576378
	non noble metal	iron	7439-89-6	1.083	0.058		576	
	non noble metal	copper	7440-50-8	1081.174	57.563		575629	
wire	non noble metal	aluminium	7429-90-5	9.661	0.514	0.514	5143	5143
encapsulation	organic material	carbon black	1333-86-4	3.856	0.205	41.062	2053	410624
	miscellaneous	miscellaneous	-	42.419	2.258		22584	
	plastics	epoxy resin	-	53.988	2.874		28744	
	inorganic material	silicondioxide	60676-86-0	670.990	35.724		357242	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.442	0.442	4419	4419
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.033	1	333
	non noble metal	nickel	7440-02-0	0.625	0.033		333	
*deviation	< 10%				Sum in total:	100.000		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 does not use any exemption.

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