

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDSQ20G120C5D	**Issued**	06. August 2026
MA#	MA006005801		
Package	PG-HDSOP-16-221	**Weight***	1879.23 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	0.183	28	1835
	noble metal	gold	7440-57-5	0.207	0.011		110	
	inorganic material	siliconcarbide	409-21-2	3.187	0.170		1696	
chip_2	non noble metal	tin	7440-31-5	0.053	0.003	0.183	28	1835
	noble metal	gold	7440-57-5	0.207	0.011		110	
	inorganic material	siliconcarbide	409-21-2	3.187	0.170		1696	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.608	173	576077
	non noble metal	iron	7439-89-6	1.083	0.058		576	
	non noble metal	copper	7440-50-8	1081.174	57.533		575328	
wire	non noble metal	aluminium	7429-90-5	11.661	0.621	0.621	6205	6205
encapsulation	organic material	carbon black	1333-86-4	3.846	0.205	40.930	2046	409299
	miscellaneous	miscellaneous	-	42.304	2.251		22511	
	plastics	epoxy resin	-	53.842	2.865		28651	
	inorganic material	silicondioxide	60676-86-0	669.176	35.609		356090	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.442	0.442	4416	4416
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		332	
*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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