

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDSQ50G120C5D	**Issued**	06. August 2026
MA#	MA006005760		
Package	PG-HDSOP-16-221	**Weight***	1887.89 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	0.122	0.006	0.415	64	4154
	noble metal	gold	7440-57-5	0.472	0.025		250	
	inorganic material	siliconcarbide	409-21-2	7.248	0.384		3839	
chip_2	non noble metal	tin	7440-31-5	0.122	0.006	0.415	64	4154
	noble metal	gold	7440-57-5	0.472	0.025		250	
	inorganic material	siliconcarbide	409-21-2	7.248	0.384		3839	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.343	172	573434
	non noble metal	iron	7439-89-6	1.083	0.057		573	
	non noble metal	copper	7440-50-8	1081.174	57.269		572689	
wire	non noble metal	aluminium	7429-90-5	30.263	1.603	1.603	16030	16030
encapsulation	organic material	carbon black	1333-86-4	3.752	0.199	39.750	1988	397501
	miscellaneous	miscellaneous	-	41.274	2.186		21863	
	plastics	epoxy resin	-	52.531	2.783		27825	
	inorganic material	silicondioxide	60676-86-0	652.881	34.583		345826	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.440	0.440	4396	4396
plating	inorganic material	phosphorus	7723-14-0	0.001	< 0.001	0.033	1	332
	non noble metal	nickel	7440-02-0	0.625	0.033		331	
*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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