

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IDSQ40G120C5D	**Issued**	29. October 2026
MA#	MA006005797		
Package	PG-HDSOP-16-221	**Weight***	1884.50 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	0.100	0.005	0.343	53	3435
	noble metal	gold	7440-57-5	0.389	0.021		207	
	inorganic material	siliconcarbide	409-21-2	5.983	0.317		3175	
chip_2	non noble metal	tin	7440-31-5	0.100	0.005	0.343	53	3435
	noble metal	gold	7440-57-5	0.389	0.021		207	
	inorganic material	siliconcarbide	409-21-2	5.983	0.317		3175	
leadframe	inorganic material	phosphorus	7723-14-0	0.325	0.017	57.447	172	574466
	non noble metal	iron	7439-89-6	1.083	0.057		574	
	non noble metal	copper	7440-50-8	1081.174	57.372		573719	
wire	non noble metal	aluminium	7429-90-5	21.866	1.160	1.160	11603	11603
encapsulation	organic material	carbon black	1333-86-4	3.791	0.201	40.233	2012	402325
	miscellaneous	miscellaneous	-	41.700	2.213		22128	
	plastics	epoxy resin	-	53.073	2.816		28163	
	inorganic material	silicondioxide	60676-86-0	659.618	35.002		350023	
leadfinish	non noble metal	tin	7440-31-5	8.299	0.440	0.440	4404	4404
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		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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