



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDL12G65C5	Issued	11. May 2021
MA#	MA001641024		
Package	PG-VSON-4-1	Weight*	184.64 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	non noble metal	tin	7440-31-5	0.017	0.01		91	
	noble metal	gold	7440-57-5	0.065	0.04		352	
	inorganic material	siliconcarbide	409-21-2	0.953	0.52	0.57	5162	5605
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.01		69	
	non noble metal	zinc	7440-66-6	0.051	0.03		275	
	non noble metal	iron	7439-89-6	1.017	0.55		5509	
	non noble metal	copper	7440-50-8	41.300	22.37	22.96	223683	229536
wire	non noble metal	copper	7440-50-8	0.528	0.29	0.29	2861	2861
encapsulation	organic material	carbon black	1333-86-4	0.226	0.12		1224	
	plastics	epoxy resin	-	11.638	6.30		63030	
	inorganic material	silicondioxide	60676-86-0	101.123	54.75	61.17	547686	611940
leadfinish	non noble metal	tin	7440-31-5	2.397	1.30	1.30	12985	12985
plating	noble metal	silver	7440-22-4	0.252	0.14	0.14	1365	1365
heatspreader	inorganic material	phosphorus	7723-14-0	0.008			41	
	non noble metal	zinc	7440-66-6	0.030	0.02		163	
	non noble metal	iron	7439-89-6	0.601	0.33		3257	
	non noble metal	copper	7440-50-8	24.418	13.22	13.57	132247	135708
*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.
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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