



Material Content Data Sheet



Halogen-Free

Sales Product Name	IDW32G65C5B	Issued	17. February 2022
MA#	MA005619849		
Package	PG-TO247-3-41	Weight*	6046.27 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	siliconcarbide	409-21-2	1.203	0.02	0.02	199	199
chip_2	inorganic material	siliconcarbide	409-21-2	1.203	0.02	0.02	199	199
leadframe	inorganic material	phosphorus	7723-14-0	0.159			26	
	non noble metal	iron	7439-89-6	0.530	0.01		88	
	non noble metal	copper	7440-50-8	529.068	8.75	8.76	87503	87617
wire	non noble metal	aluminium	7429-90-5	2.241	0.04	0.04	371	371
encapsulation	organic material	carbon black	1333-86-4	20.071	0.33		3320	
	plastics	epoxy resin	-	381.345	6.31		63071	
	inorganic material	silicondioxide	60676-86-0	1,605.662	26.56	33.20	265562	331953
leadfinish	non noble metal	tin	7440-31-5	31.874	0.53	0.53	5272	5272
plating	non noble metal	nickel	7440-02-0	29.065	0.48	0.48	4807	4807
solder	non noble metal	antimony	7440-36-0	0.136			23	
	noble metal	silver	7440-22-4	0.341	0.01		56	
	non noble metal	tin	7440-31-5	0.886	0.01	0.02	147	226
heatspreader	inorganic material	phosphorus	7723-14-0	1.033	0.02		171	
	non noble metal	iron	7439-89-6	3.442	0.06		569	
	non noble metal	copper	7440-50-8	3,438.006	56.85	56.93	568616	569356
*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.
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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com