



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ICE5QR1680AG	<b>Issued</b>	13. May 2021
<b>MA#</b>	MA001976924		
<b>Package</b>	PG-DSO-12-21	<b>Weight*</b>	155.07 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	inorganic material	silicon	7440-21-3	2.999	1.93	1.93	19339	19339
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		447	
	non noble metal	iron	7439-89-6	1.386	0.89		8939	
	non noble metal	copper	7440-50-8	56.286	36.30	37.24	362963	372461
wire	noble metal	palladium	7440-05-3	0.001			5	
	non noble metal	copper	7440-50-8	0.079	0.05	0.05	510	515
encapsulation	organic material	carbon black	1333-86-4	0.274	0.18		1770	
	plastics	epoxy resin	-	10.704	6.90		69025	
	inorganic material	silicondioxide	60676-86-0	80.508	51.92	59.00	519159	589954
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7368	7368
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2763	2763
glue	plastics	epoxy resin	-	0.177	0.11		1140	
	noble metal	silver	7440-22-4	1.002	0.65	0.76	6460	7600
*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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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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