



## Material Content Data Sheet



<b>Sales Product Name</b>		ICE5QR1680AG		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001681516						
<b>Package</b>		PG-DSO-12-21		<b>Weight*</b>		154.86 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	2.162	1.40	1.40	13963	13963
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		448	
	non noble metal	iron	7439-89-6	1.386	0.90		8952	
wire	non noble metal	copper	7440-50-8	56.286	36.35	37.30	363476	372988
	noble metal	palladium	7440-05-3	0.001	0.00		5	
	non noble metal	copper	7440-50-8	0.079	0.05	0.05	511	516
encapsulation	organic material	carbon black	1333-86-4	0.277	0.18		1789	
	plastics	epoxy resin	-	10.803	6.98		69760	
	inorganic material	silicondioxide	60676-86-0	81.251	52.46	59.62	524689	596238
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7379	7379
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2767	2767
glue	plastics	epoxy resin	-	0.143	0.09		922	
	noble metal	silver	7440-22-4	0.809	0.52	0.61	5227	6149
*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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