



## Material Content Data Sheet



<b>Sales Product Name</b>		ICE2QR0665G		<b>Issued</b>		25. September 2017		
<b>MA#</b>		MA001582598						
<b>Package</b>		PG-DSO-12-19		<b>Weight*</b>		154.98 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	2.048	1.32	1.32	13215	13215
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		8944	
wire	non noble metal	copper	7440-50-8	56.286	36.32	37.26	363175	372678
	noble metal	gold	7440-57-5	0.241	0.16	0.16	1554	1554
	encapsulation	organic material	carbon black	1333-86-4	0.277	0.18		1789
plastics		epoxy resin	-	10.815	6.98		69780	
	inorganic material	silicondioxide	60676-86-0	81.341	52.48	59.64	524838	596407
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7373	7373
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2765	2765
glue	plastics	epoxy resin	-	0.140	0.09		901	
	noble metal	silver	7440-22-4	0.792	0.51	0.60	5107	6008
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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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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