



## Material Content Data Sheet



<b>Sales Product Name</b>				ICE2QR4765G		<b>Issued</b>		19. July 2018	
<b>MA#</b>				MA001238028					
<b>Package</b>				PG-DSO-12-10		<b>Weight*</b>		208.76 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	2.049	0.98	0.98	9816	9816	
leadframe	inorganic material	phosphorus	7723-14-0	0.028	0.01		132		
	non noble metal	zinc	7440-66-6	0.110	0.05		529		
	non noble metal	iron	7439-89-6	2.210	1.06		10586		
wire	non noble metal	copper	7440-50-8	89.731	42.98	44.10	429821	441068	
	noble metal	gold	7440-57-5	0.339	0.16	0.16	1626	1626	
	encapsulation	organic material	carbon black	1333-86-4	0.226	0.11		1085	
encapsulation	plastics	epoxy resin	-	12.230	5.86		58584		
	inorganic material	silicondioxide	60676-86-0	100.786	48.28	54.25	482779	542448	
	leadfinish	noble metal	gold	7440-57-5	0.005	0.00		25	
plating	noble metal	silver	7440-22-4	0.003	0.00		14		
	noble metal	palladium	7440-05-3	0.003	0.00		16		
	non noble metal	nickel	7440-02-0	0.096	0.05	0.05	460	515	
	noble metal	gold	7440-57-5	0.001	0.00		3		
	noble metal	silver	7440-22-4	0.000	0.00		2		
glue	noble metal	palladium	7440-05-3	0.000	0.00		2		
	non noble metal	nickel	7440-02-0	0.012	0.01	0.01	57	64	
	plastics	epoxy resin	-	0.163	0.08		781		
*deviation	< 10%			0.769	0.37	0.45	3682	4463	
						Sum in total:	100.00	1000000	

### Important Remarks:

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