



## Material Content Data Sheet



<b>Sales Product Name</b>		ICE2QR4780Z		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001064166						
<b>Package</b>		PG-DIP-7-4		<b>Weight*</b>		652.94 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	3.538	0.54	0.54	5418	5418
leadframe	inorganic material	phosphorus	7723-14-0	0.049	0.01		74	
	non noble metal	zinc	7440-66-6	0.194	0.03		297	
	non noble metal	iron	7439-89-6	3.884	0.59		5949	
wire	non noble metal	copper	7440-50-8	157.726	24.16	24.79	241562	247882
	noble metal	gold	7440-57-5	0.275	0.04	0.04	421	421
	encapsulation	organic material	carbon black	1333-86-4	1.430	0.22		2189
plastics		epoxy resin	-	46.222	7.08		70791	
		inorganic material	silicondioxide	60676-86-0	428.868	65.69	72.99	656823
leadfinish	non noble metal	tin	7440-31-5	6.540	1.00	1.00	10017	10017
plating	noble metal	silver	7440-22-4	1.911	0.29	0.29	2926	2926
glue	plastics	epoxy resin	-	0.346	0.05		530	
	noble metal	silver	7440-22-4	1.961	0.30	0.35	3003	3533
*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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