

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE2QR0680Z	**Issued**	7. August 2019
MA#	MA001043200		
Package	PG-DIP-7-4	**Weight***	653.63 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	1.769	0.27	0.27	2706	2706
chip_2	inorganic material	silicon	7440-21-3	6.261	0.96	0.96	9579	9579
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		5943	
	non noble metal	copper	7440-50-8	157.726	24.13	24.76	241307	247621
wire	noble metal	gold	7440-57-5	0.292	0.04	0.04	447	447
encapsulation	organic material	carbon black	1333-86-4	1.417	0.22		2168	
	plastics	epoxy resin	-	45.825	7.01		70108	
	inorganic material	silicondioxide	60676-86-0	425.182	65.05	72.28	650492	722768
leadfinish	non noble metal	tin	7440-31-5	6.460	0.99	0.99	9883	9883
plating	noble metal	silver	7440-22-4	1.911	0.29	0.29	2923	2923
glue	plastics	epoxy resin	-	0.399	0.06		611	
	noble metal	silver	7440-22-4	2.263	0.35	0.41	3462	4073
*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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