

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE2QR1080G	**Issued**	23. June 2021
MA#	MA005542956		
Package	PG-DSO-12-19	**Weight***	155.82 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	1.024	0.66	0.66	6572	6572
chip_2	inorganic material	silicon	7440-21-3	4.500	2.89	2.89	28877	28877
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		111	
	non noble metal	zinc	7440-66-6	0.069	0.04		445	
	non noble metal	iron	7439-89-6	1.386	0.89		8896	
	non noble metal	copper	7440-50-8	56.286	36.12	37.06	361221	370673
wire	noble metal	gold	7440-57-5	0.252	0.16	0.16	1615	1615
encapsulation	organic material	carbon black	1333-86-4	0.267	0.17		1714	
	plastics	epoxy resin	-	10.416	6.68		66847	
	inorganic material	silicondioxide	60676-86-0	78.344	50.29	57.14	502783	571344
leadfinish	non noble metal	tin	7440-31-5	1.143	0.73	0.73	7333	7333
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2750	2750
glue	plastics	epoxy resin	-	0.253	0.16		1625	
	noble metal	silver	7440-22-4	1.435	0.92	1.08	9211	10836
*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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