

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE2QR2280G	**Issued**	23. June 2021
MA#	MA005542982		
Package	PG-DSO-12-19	**Weight***	155.31 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	6594	6594
chip_2	inorganic material	silicon	7440-21-3	2.347	1.51	1.51	15114	15114
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		446	
	non noble metal	iron	7439-89-6	1.386	0.89		8926	
	non noble metal	copper	7440-50-8	56.286	36.24	37.18	362413	371897
wire	noble metal	gold	7440-57-5	0.242	0.16	0.16	1559	1559
encapsulation	organic material	carbon black	1333-86-4	0.273	0.18		1760	
	plastics	epoxy resin	-	10.662	6.86		68648	
	inorganic material	silicondioxide	60676-86-0	80.190	51.63	58.67	516327	586735
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7357	7357
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2759	2759
glue	plastics	epoxy resin	-	0.186	0.12		1198	
	noble metal	silver	7440-22-4	1.054	0.68	0.80	6787	7985
*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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