



Material Content Data Sheet



Sales Product Name	ICE2QR2280G			Issued		4. February 2020		
MA#	MA001509400							
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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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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