



Material Content Data Sheet



Sales Product Name				ICE2QR2280G		Issued		24. January 2018	
MA#				MA001039688					
Package				PG-DSO-12-10		Weight*		209.10 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	3.371	1.61	1.61	16123	16123	
leadframe	inorganic material	phosphorus	7723-14-0	0.028	0.01		132		
	non noble metal	zinc	7440-66-6	0.110	0.05		528		
	non noble metal	iron	7439-89-6	2.210	1.06		10568		
wire	non noble metal	copper	7440-50-8	89.731	42.91	44.03	429124	440352	
	noble metal	gold	7440-57-5	0.363	0.17	0.17	1737	1737	
	encapsulation	organic material	carbon black	1333-86-4	0.224	0.11		1071	
encapsulation	plastics	epoxy resin	-	12.088	5.78		57810		
	inorganic material	silicondioxide	60676-86-0	99.616	47.65	53.54	476398	535279	
	leadfinish	noble metal	gold	7440-57-5	0.005	0.00		25	
plating	noble metal	silver	7440-22-4	0.003	0.00		14		
	noble metal	palladium	7440-05-3	0.003	0.00		16		
	non noble metal	nickel	7440-02-0	0.096	0.05	0.05	459	514	
	noble metal	gold	7440-57-5	0.001	0.00		3		
glue	noble metal	silver	7440-22-4	0.000	0.00		2		
	noble metal	palladium	7440-05-3	0.000	0.00		2		
	non noble metal	nickel	7440-02-0	0.012	0.01	0.01	57	64	
glue	plastics	epoxy resin	-	0.217	0.10		1038		
	noble metal	silver	7440-22-4	1.023	0.49	0.59	4893	5931	
*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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