



Material Content Data Sheet



Sales Product Name		ICE3AR2280CJZ		Issued		31. January 2019		
MA#		MA001786116						
Package		PG-DIP-7-3		Weight*		645.28 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	2.284	0.35	0.35	3540	3540
chip_2	inorganic material	silicon	7440-21-3	2.347	0.36	0.36	3638	3638
leadframe	inorganic material	phosphorus	7723-14-0	0.048	0.01		75	
	non noble metal	zinc	7440-66-6	0.194	0.03		300	
	non noble metal	iron	7439-89-6	3.872	0.60		6000	
wire	non noble metal	copper	7440-50-8	157.218	24.36	25.00	243642	250017
	noble metal	gold	7440-57-5	0.381	0.06	0.06	590	590
	encapsulation	organic material	carbon black	1333-86-4	2.344	0.36		3632
encapsulation	plastics	epoxy resin	-	63.288	9.81		98077	
	inorganic material	silicondioxide	60676-86-0	403.165	62.48	72.65	624790	726499
leadfinish	non noble metal	tin	7440-31-5	6.460	1.00	1.00	10010	10010
plating	noble metal	silver	7440-22-4	1.594	0.25	0.25	2470	2470
glue	plastics	epoxy resin	-	0.365	0.06		566	
	noble metal	silver	7440-22-4	1.723	0.27	0.33	2670	3236
*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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