



Material Content Data Sheet



Sales Product Name		ICE2A180Z		Issued		19. July 2018		
MA#		MA001412072						
Package		PG-DIP-7-3		Weight*		646.19 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	7.151	1.11	1.11	11066	11066
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		5992	
wire	non noble metal	copper	7440-50-8	157.218	24.33	24.97	243300	249667
	noble metal	gold	7440-57-5	0.260	0.04	0.04	403	403
	encapsulation	organic material	carbon black	1333-86-4	2.330	0.36		3605
encapsulation	plastics	epoxy resin	-	62.904	9.73		97346	
	inorganic material	silicondioxide	60676-86-0	400.723	62.01	72.10	620131	721082
leadfinish	non noble metal	tin	7440-31-5	6.540	1.01	1.01	10121	10121
plating	noble metal	silver	7440-22-4	1.594	0.25	0.25	2467	2467
glue	plastics	epoxy resin	-	0.587	0.09		909	
	noble metal	silver	7440-22-4	2.769	0.43	0.52	4285	5194
*deviation	< 10%				Sum in total:		100.00	1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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