



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ICE3AR4780VJZ	<b>Issued</b>	23. June 2021
<b>MA#</b>	MA005538262		
<b>Package</b>	PG-DIP-7-4	<b>Weight*</b>	652.69 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	1.570	0.24	0.24	2405	2405
chip_2	inorganic material	silicon	7440-21-3	2.080	0.32	0.32	3186	3186
leadframe	inorganic material	phosphorus	7723-14-0	0.049	0.01		74	
	non noble metal	zinc	7440-66-6	0.194	0.03		298	
	non noble metal	iron	7439-89-6	3.884	0.60		5952	
	non noble metal	copper	7440-50-8	157.726	24.17	24.81	241656	247980
wire	noble metal	gold	7440-57-5	0.283	0.04	0.04	433	433
encapsulation	organic material	carbon black	1333-86-4	1.430	0.22		2191	
	plastics	epoxy resin	-	46.238	7.08		70842	
	inorganic material	silicondioxide	60676-86-0	429.009	65.73	73.03	657299	730332
leadfinish	non noble metal	tin	7440-31-5	6.460	0.99	0.99	9897	9897
plating	noble metal	silver	7440-22-4	1.911	0.29	0.29	2928	2928
glue	plastics	epoxy resin	-	0.278	0.04		426	
	noble metal	silver	7440-22-4	1.575	0.24	0.28	2413	2839
*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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