

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ICE3BR1765J	**Issued**	28. October 2019
MA#	MA001027120		
Package	PG-DIP-8-13	**Weight***	557.19 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	1.890	0.34	0.34	3391	3391
chip_2	inorganic material	silicon	7440-21-3	1.455	0.26	0.26	2611	2611
leadframe	inorganic material	phosphorus	7723-14-0	0.054	0.01		96	
	non noble metal	zinc	7440-66-6	0.215	0.04		386	
	non noble metal	iron	7439-89-6	4.297	0.77		7712	
	non noble metal	copper	7440-50-8	174.475	31.31	32.13	313136	321330
wire	noble metal	gold	7440-57-5	0.287	0.05	0.05	515	515
encapsulation	organic material	carbon black	1333-86-4	1.093	0.20		1963	
	plastics	epoxy resin	-	35.356	6.35		63455	
	inorganic material	silicondioxide	60676-86-0	328.048	58.87	65.42	588759	654177
leadfinish	non noble metal	tin	7440-31-5	7.496	1.35	1.35	13453	13453
plating	noble metal	silver	7440-22-4	0.796	0.14	0.14	1428	1428
glue	plastics	epoxy resin	-	0.259	0.05		464	
	noble metal	silver	7440-22-4	1.466	0.26	0.31	2631	3095
*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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