



Material Content Data Sheet



Halogen-Free

Sales Product Name	ICE3AR4780JG	Issued	23. June 2021
MA#	MA005543223		
Package	PG-DSO-12-19	Weight*	155.17 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	1.204	0.78	0.78	7759	7759
chip_2	inorganic material	silicon	7440-21-3	1.570	1.01	1.01	10115	10115
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		112	
	non noble metal	zinc	7440-66-6	0.069	0.04		447	
	non noble metal	iron	7439-89-6	1.386	0.89		8933	
	non noble metal	copper	7440-50-8	56.286	36.27	37.21	362733	372225
wire	noble metal	gold	7440-57-5	0.246	0.16	0.16	1584	1584
encapsulation	organic material	carbon black	1333-86-4	0.275	0.18		1773	
	plastics	epoxy resin	-	10.730	6.91		69148	
	inorganic material	silicondioxide	60676-86-0	80.703	52.01	59.10	520089	591010
leadfinish	non noble metal	tin	7440-31-5	1.143	0.74	0.74	7364	7364
plating	noble metal	silver	7440-22-4	0.428	0.28	0.28	2761	2761
glue	plastics	epoxy resin	-	0.167	0.11		1077	
	noble metal	silver	7440-22-4	0.947	0.61	0.72	6105	7182
*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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