



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	ICL5101	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005561671		
<b>Package</b>	PG-DSO-16-23	<b>Weight*</b>	153.97 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	0.615	0.40	0.40	3992	3992
chip_2	inorganic material	silicon	7440-21-3	2.151	1.40	1.40	13973	13973
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		106	
	non noble metal	zinc	7440-66-6	0.066	0.04		426	
	non noble metal	iron	7439-89-6	1.311	0.85		8517	
	non noble metal	copper	7440-50-8	53.247	34.58	35.48	345825	354874
wire	noble metal	gold	7440-57-5	0.353	0.23	0.23	2295	2295
encapsulation	organic material	carbon black	1333-86-4	0.281	0.18		1822	
	plastics	epoxy resin	-	9.072	5.89		58923	
	inorganic material	silicondioxide	60676-86-0	84.178	54.68	60.75	546713	607458
leadfinish	non noble metal	tin	7440-31-5	1.530	0.99	0.99	9938	9938
plating	noble metal	silver	7440-22-4	0.226	0.15	0.15	1466	1466
glue	plastics	acrylic resin	-	0.203	0.13		1321	
	noble metal	silver	7440-22-4	0.721	0.47	0.60	4683	6004
*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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