



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	1ED020I12-BT	<b>Issued</b>	04. May 2021
<b>MA#</b>	MA001070364		
<b>Package</b>	PG-DSO-16-15	<b>Weight*</b>	449.12 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	4.549	1.01	1.01	10128	10128
leadframe	inorganic material	phosphorus	7723-14-0	0.032	0.01		70	
	non noble metal	zinc	7440-66-6	0.126	0.03		281	
	non noble metal	iron	7439-89-6	2.521	0.56		5613	
	non noble metal	copper	7440-50-8	102.369	22.79	23.39	227931	233895
wire	noble metal	gold	7440-57-5	0.627	0.14	0.14	1396	1396
encapsulation	organic material	carbon black	1333-86-4	1.664	0.37		3706	
	plastics	epoxy resin	-	44.939	10.01		100059	
	inorganic material	silicondioxide	60676-86-0	286.276	63.73	74.11	637412	741177
leadfinish	non noble metal	tin	7440-31-5	2.873	0.64	0.64	6397	6397
plating	noble metal	silver	7440-22-4	1.017	0.23	0.23	2264	2264
glue	plastics	epoxy resin	-	0.533	0.12		1186	
	noble metal	silver	7440-22-4	1.598	0.36	0.48	3557	4743
*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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