



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XDPL8221	<b>Issued</b>	27. April 2022
<b>MA#</b>	MA005723717		
<b>Package</b>	PG-DSO-16-21	<b>Weight*</b>	174.83 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	2.423	1.39	1.39	13861	13861
chip_2	inorganic material	silicon	7440-21-3	0.223	0.13	0.13	1276	1276
leadframe	inorganic material	phosphorus	7723-14-0	0.023	0.01		130	
	non noble metal	zinc	7440-66-6	0.091	0.05		518	
	non noble metal	iron	7439-89-6	1.813	1.04		10368	
	non noble metal	copper	7440-50-8	73.601	42.10	43.20	420992	432008
wires	noble metal	palladium	7440-05-3	0.001			5	
	non noble metal	copper	7440-50-8	0.089	0.05	0.05	512	517
encapsulation	organic material	carbon black	1333-86-4	0.281	0.16		1605	
	plastics	epoxy resin	-	9.070	5.19		51881	
	inorganic material	silicondioxide	60676-86-0	84.157	48.13	53.48	481372	534858
leadfinish	non noble metal	tin	7440-31-5	1.562	0.89	0.89	8936	8936
plating	noble metal	silver	7440-22-4	0.641	0.37	0.37	3667	3667
glue	plastics	acrylic resin	-	0.188	0.11		1073	
	noble metal	silver	7440-22-4	0.665	0.38	0.49	3804	4877
*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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