



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	1EDC20112MH	<b>Issued</b>	25. June 2021
<b>MA#</b>	MA005559625		
<b>Package</b>	PG-DSO-8-59	<b>Weight*</b>	287.72 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	1.946	0.68	0.68	6764	6764
chip_2	inorganic material	silicon	7440-21-3	1.946	0.68	0.68	6764	6764
leadframe	inorganic material	phosphorus	7723-14-0	0.025	0.01		88	
	non noble metal	zinc	7440-66-6	0.101	0.04		351	
	non noble metal	iron	7439-89-6	2.018	0.70		7015	
	non noble metal	copper	7440-50-8	81.947	28.48	29.23	284819	292273
wire	noble metal	gold	7440-57-5	0.315	0.11	0.11	1094	1094
encapsulation	organic material	carbon black	1333-86-4	0.591	0.21		2054	
	plastics	epoxy resin	-	23.043	8.01		80089	
	inorganic material	silicondioxide	60676-86-0	173.314	60.22	68.44	602376	684519
leadfinish	noble metal	palladium	7440-05-3	0.000			1	
	noble metal	silver	7440-22-4	0.000			1	
	noble metal	gold	7440-57-5	0.000			2	
	non noble metal	nickel	7440-02-0	0.496	0.17	0.17	1725	1729
plating	noble metal	silver	7440-22-4	0.000			1	
	noble metal	gold	7440-57-5	0.000			1	
	noble metal	palladium	7440-05-3	0.000			1	
	non noble metal	nickel	7440-02-0	0.052	0.02	0.02	182	185
glue	plastics	epoxy resin	-	0.480	0.17		1668	
	noble metal	silver	7440-22-4	1.440	0.50	0.67	5004	6672
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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