

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1EDC20I12MH	**Issued**	03. April 2021
MA#	MA001648526		
Package	PG-DSO-8-59	**Weight***	287.39 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	0.801	0.28	0.28	2788	2788
chip_2	inorganic material	silicon	7440-21-3	1.946	0.68	0.68	6771	6771
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		7023	
	non noble metal	copper	7440-50-8	81.947	28.51	29.26	285144	292606
wire	noble metal	gold	7440-57-5	0.315	0.11	0.11	1095	1095
encapsulation	organic material	carbon black	1333-86-4	0.594	0.21		2068	
	plastics	epoxy resin	-	23.179	8.07		80656	
	inorganic material	silicondioxide	60676-86-0	174.341	60.65	68.93	606637	689361
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	1727	1731
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	-	0.393	0.14		1366	
	noble metal	silver	7440-22-4	1.178	0.41	0.55	4097	5463
*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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