



## Material Content Data Sheet



<b>Sales Product Name</b>		1ED110I12MH		<b>Issued</b>		19. July 2018		
<b>MA#</b>		MA001398178						
<b>Package</b>		PG-DSO-8-59		<b>Weight*</b>		287.36 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	2.614	0.91	0.91	9095	9095
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	
wire	non noble metal	copper	7440-50-8	81.947	28.52	29.27	285176	292638
	noble metal	gold	7440-57-5	0.319	0.11	0.11	1109	1109
	encapsulation	organic material	carbon black	1333-86-4	0.595	0.21		2070
plastics	plastics	epoxy resin	-	23.195	8.07		80719	
	inorganic material	silicondioxide	60676-86-0	174.458	60.71	68.99	607111	689903
	leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		1
plating	noble metal	silver	7440-22-4	0.000	0.00		1	
	noble metal	gold	7440-57-5	0.000	0.00		2	
	non noble metal	nickel	7440-02-0	0.496	0.17	0.17	1728	1732
	noble metal	palladium	7440-05-3	0.000	0.00		1	
glue	non noble metal	nickel	7440-02-0	0.052	0.02		182	
	noble metal	silver	7440-22-4	0.000	0.00		1	
	noble metal	gold	7440-57-5	0.000	0.00	0.02	1	182
*deviation	plastics	epoxy resin	-	0.384	0.13		1335	
	noble metal	silver	7440-22-4	1.151	0.40	0.53	4006	5341
Sum in total:						100.00		1000000

### Important Remarks:

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