



## Material Content Data Sheet



<b>Sales Product Name</b>				1EDC40I12AH		<b>Issued</b>		24. January 2018	
<b>MA#</b>				MA001647646					
<b>Package</b>				PG-DSO-8-59		<b>Weight*</b>		287.07 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	1.603	0.56	0.56	5583	5583	
leadframe	inorganic material	phosphorus	7723-14-0	0.025	0.01		88		
	non noble metal	zinc	7440-66-6	0.101	0.04		352		
	non noble metal	iron	7439-89-6	2.018	0.70		7030		
wire	non noble metal	copper	7440-50-8	81.947	28.55	29.30	285463	292933	
	noble metal	gold	7440-57-5	0.321	0.11	0.11	1119	1119	
	encapsulation	organic material	carbon black	1333-86-4	0.598	0.21		2083	
encapsulation	plastics	epoxy resin	-	23.316	8.12		81221		
	inorganic material	silicondioxide	60676-86-0	175.367	61.08	69.41	610890	694197	
	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	1729	1733	
	noble metal	palladium	7440-05-3	0.000	0.00		1		
	non noble metal	nickel	7440-02-0	0.052	0.02		183		
glue	noble metal	silver	7440-22-4	0.000	0.00		1		
	noble metal	gold	7440-57-5	0.000	0.00	0.02	1	183	
	plastics	epoxy resin	-	0.305	0.11		1063		
*deviation	< 10%			0.915	0.32	0.43	3189	4252	
Sum in total:						100.00		1000000	

### Important Remarks:

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