



Material Content Data Sheet



Sales Product Name				2ED020I12-F2		Issued		20. July 2018	
MA#				MA001368290					
Package				PG-DSO-36-60		Weight*		614.37 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	9.097	1.48	1.48	14807	14807	
leadframe	inorganic material	phosphorus	7723-14-0	0.052	0.01		84		
	non noble metal	zinc	7440-66-6	0.207	0.03		337		
	non noble metal	iron	7439-89-6	4.146	0.67		6748		
wire	non noble metal	copper	7440-50-8	168.346	27.40	28.11	274015	281184	
	noble metal	gold	7440-57-5	1.255	0.20	0.20	2043	2043	
	encapsulation	organic material	carbon black	1333-86-4	1.261	0.21		2053	
leadfinish	plastics	epoxy resin	-	49.182	8.01		80053		
	inorganic material	silicondioxide	60676-86-0	369.914	60.22	68.44	602105	684211	
	noble metal	palladium	7440-05-3	0.001	0.00		2		
plating	noble metal	silver	7440-22-4	0.001	0.00		2		
	noble metal	gold	7440-57-5	0.002	0.00		3		
	non noble metal	nickel	7440-02-0	1.865	0.30	0.30	3035	3042	
	noble metal	silver	7440-22-4	0.003	0.00		4		
	noble metal	palladium	7440-05-3	0.003	0.00		5		
glue	noble metal	gold	7440-57-5	0.005	0.00		8		
	non noble metal	nickel	7440-02-0	4.768	0.78	0.78	7761	7778	
	plastics	epoxy resin	-	1.065	0.17		1734		
*deviation	< 10%			3.195	0.52	0.69	5201	6935	
						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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