



Material Content Data Sheet



Sales Product Name		1ED020I12FTA		Issued		3. July 2019		
MA#		MA003772990						
Package		PG-DSO-20-77		Weight*		561.44 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	3.071	0.55	0.55	5471	5471
chip_2	inorganic material	silicon	7440-21-3	1.477	0.26	0.26	2631	2631
leadframe	inorganic material	phosphorus	7723-14-0	0.035	0.01		62	
	non noble metal	zinc	7440-66-6	0.140	0.02		250	
	non noble metal	iron	7439-89-6	2.805	0.50		4996	
wire	non noble metal	copper	7440-50-8	113.899	20.29	20.82	202869	208177
	noble metal	gold	7440-57-5	0.722	0.13	0.13	1285	1285
	encapsulation	organic material	carbon black	1333-86-4	1.308	0.23		2329
encapsulation	plastics	epoxy resin	-	51.002	9.08		90841	
	inorganic material	silicondioxide	60676-86-0	383.602	68.34	77.65	683244	776414
	leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		1
plating	noble metal	silver	7440-22-4	0.001	0.00		1	
	noble metal	gold	7440-57-5	0.001	0.00		2	
	non noble metal	nickel	7440-02-0	1.184	0.21	0.21	2108	2112
	noble metal	silver	7440-22-4	0.000	0.00		1	
plating	noble metal	gold	7440-57-5	0.000	0.00		1	
	noble metal	palladium	7440-05-3	0.000	0.00		1	
	non noble metal	nickel	7440-02-0	0.063	0.01	0.01	112	115
glue	plastics	epoxy resin	-	0.533	0.09		949	
	noble metal	silver	7440-22-4	1.598	0.28	0.37	2846	3795
*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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