

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	2ED020I12FA	**Issued**	3. July 2019
MA#	MA003078282		
Package	PG-DSO-36-60	**Weight***	614.36 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	1.477	0.24	0.24	2404	2404
chip_2	inorganic material	silicon	7440-21-3	1.477	0.24	0.24	2404	2404
chip_3	inorganic material	silicon	7440-21-3	3.071	0.50	0.50	4999	4999
chip_4	inorganic material	silicon	7440-21-3	3.071	0.50	0.50	4999	4999
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		6749	
	non noble metal	copper	7440-50-8	168.346	27.40	28.11	274018	281188
wire	noble metal	gold	7440-57-5	1.250	0.20	0.20	2035	2035
encapsulation	organic material	carbon black	1333-86-4	1.261	0.21		2053	
	plastics	epoxy resin	-	49.182	8.01		80053	
	inorganic material	silicondioxide	60676-86-0	369.914	60.22	68.44	602110	684216
leadfinish	noble metal	palladium	7440-05-3	0.001	0.00		2	
	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
plating	noble metal	silver	7440-22-4	0.003	0.00		4	
	noble metal	palladium	7440-05-3	0.003	0.00		5	
	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
glue	plastics	epoxy resin	-	1.065	0.17		1734	
	noble metal	silver	7440-22-4	3.195	0.52	0.69	5201	6935
*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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