

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1EDN7146G	**Issued**	22. April 2022
MA#	MA005572634		
Package	PG-VSON-10-4	**Weight***	23.76 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	0.519	2.19	2.19	21858	21858
leadframe	inorganic material	phosphorus	7723-14-0	0.003	0.01		131	
	non noble metal	zinc	7440-66-6	0.012	0.05		524	
	non noble metal	iron	7439-89-6	0.249	1.05		10483	
	non noble metal	copper	7440-50-8	10.112	42.55	43.66	425654	436792
wires	noble metal	palladium	7440-05-3	0.003	0.01		122	
	non noble metal	copper	7440-50-8	0.113	0.48	0.49	4755	4877
encapsulation	organic material	carbon black	1333-86-4	0.118	0.50		4986	
	non noble metal	metal hydroxide	-	0.237	1.00		9972	
	inorganic material	amorphous silica	7631-86-9	0.829	3.49		34903	
	plastics	epoxy resin	-	1.184	4.99		49862	
	inorganic material	silicondioxide	60676-86-0	9.476	39.89	49.87	398894	498617
leadfinish	noble metal	palladium	7440-05-3	0.001			38	
	noble metal	gold	7440-57-5	0.001	0.01		62	
	non noble metal	nickel	7440-02-0	0.027	0.11	0.12	1123	1223
plating	noble metal	palladium	7440-05-3	0.002	0.01		74	
	noble metal	gold	7440-57-5	0.003	0.01		119	
	non noble metal	nickel	7440-02-0	0.052	0.22	0.24	2180	2373
glue	miscellaneous	miscellaneous	-	0.001	0.01		62	
	plastics	acrylic resin	-	0.121	0.51		5077	
	noble metal	silver	7440-22-4	0.692	2.91	3.43	29121	34260
*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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