

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1EDR3144HQE	**Issued**	17. July 2025
MA#	MA006103572		
Package	PG-LDSO-8-1	**Weight***	150.41 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	0.657	0.437	0.437	4369	4369
chip_2	inorganic material	silicon	7440-21-3	0.906	0.602	0.602	6023	6023
leadframe	inorganic material	phosphorus	7723-14-0	0.013	0.009	29.819	89	298188
	non noble metal	zinc	7440-66-6	0.054	0.036		358	
	non noble metal	iron	7439-89-6	1.076	0.716		7157	
	non noble metal	copper	7440-50-8	43.707	29.058		290584	
wire	non noble metal	copper	7440-50-8	0.189	0.125	0.125	1254	1254
encapsulation	organic material	carbon black	1333-86-4	0.507	0.337	67.426	3371	674255
	inorganic material	amorphous silica	7631-86-9	4.564	3.034		30341	
	plastics	phenol resin	-	5.071	3.371		33713	
	plastics	epoxy resin	29690-82-2	5.071	3.371		33713	
	plastics	epoxy resin	-	5.071	3.371		33713	
	inorganic material	silicondioxide	60676-86-0	81.132	53.940		539404	
leadfinish	non noble metal	tin	7440-31-5	0.922	0.613	0.613	6130	6130
plating	noble metal	silver	7440-22-4	0.267	0.177	0.177	1773	1773
glue	organic material	ethene, 1,1,2,2-tetrafluoro-	925918-64-5	0.001	0.001	0.801	8	8008
	inorganic material	copperoxide	1317-38-0	0.030	0.020		200	
	miscellaneous	miscellaneous	-	0.036	0.024		240	
	plastics	epoxy resin	-	0.210	0.139		1393	
	noble metal	silver	7440-22-4	0.927	0.617		6166	
*deviation	< 10%				Sum in total:	100.000		1000000

Important Remarks:

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This product is in compliance with End-of-Life Vehicle (ELV) Directive 2000/53/EG and the ELV Annex II (2016/774/EU) and does not use any exemption.

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