

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	1ED3431MU12M	**Issued**	16. May 2021
MA#	MA005405876		
Package	PG-DSO-16-28	**Weight***	303.60 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	3.598	1.19	1.19	11851	11851
chip_2	inorganic material	silicon	7440-21-3	2.307	0.76	0.76	7599	7599
leadframe	inorganic material	phosphorus	7723-14-0	0.031	0.01		101	
	non noble metal	zinc	7440-66-6	0.123	0.04		406	
	non noble metal	iron	7439-89-6	2.465	0.81		8120	
	non noble metal	copper	7440-50-8	100.099	32.97	33.83	329703	338330
wire	noble metal	gold	7440-57-5	0.686	0.23	0.23	2261	2261
encapsulation	organic material	carbon black	1333-86-4	0.946	0.31		3116	
	plastics	epoxy resin	-	18.918	6.23		62312	
	inorganic material	silicondioxide	60676-86-0	169.317	55.77	62.31	557691	623119
leadfinish	non noble metal	tin	7440-31-5	2.170	0.71	0.71	7148	7148
plating	noble metal	silver	7440-22-4	0.489	0.16	0.16	1611	1611
glue	plastics	epoxy resin	-	0.613	0.20		2020	
	noble metal	silver	7440-22-4	1.840	0.61	0.81	6061	8081
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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