

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ESD311-U1-02N E6327	**Issued**	02. June 2021
MA#	MA001213862		
Package	PG-TSNP-2-2	**Weight***	1.88 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	0.105	5.58	5.58	55764	55764
leadframe	non noble metal	zinc	7440-66-6	0.002	0.10		1042	
	non noble metal	tin	7440-31-5	0.002	0.13		1303	
	non noble metal	chromium	7440-47-3	0.003	0.16		1563	
	non noble metal	copper	7440-50-8	0.974	51.71	52.10	517191	521099
wire	non noble metal	copper	7440-50-8	0.007	0.35	0.35	3451	3451
encapsulation	organic material	carbon black	1333-86-4	0.003	0.17		1726	
	inorganic material	zink oxide	1314-13-2	0.007	0.35		3453	
	miscellaneous	miscellaneous	-	0.010	0.52		5180	
	plastics	epoxy resin	-	0.072	3.80		37985	
	inorganic material	silicondioxide	60676-86-0	0.559	29.70	34.54	296971	345315
leadfinish	non noble metal	tin	7440-31-5	0.055	2.90	2.90	29001	29001
plating	noble metal	silver	7440-22-4	0.022	1.17	1.17	11692	11692
glue	plastics	epoxy resin	-	0.013	0.67		6735	
	noble metal	silver	7440-22-4	0.051	2.69	3.36	26943	33678
*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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