

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGA U1A10 E6327	**Issued**	22. April 2022
MA#	MA005713051		
Package	PG-ATSLP-10-3	**Weight***	2.44 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	0.178	7.29	7.29	72883	72883
chip_2	inorganic material	silicon	7440-21-3	0.082	3.34	3.34	33410	33410
bumps	non noble metal	copper	7440-50-8	0.020	0.84	0.84	8371	8371
encapsulation	organic material	carbon black	1333-86-4	0.009	0.37		3749	
	plastics	epoxy resin	-	0.206	8.44		84353	
	inorganic material	silicondioxide	60676-86-0	1.310	53.68	62.49	536732	624834
leadfinish	noble metal	gold	7440-57-5	0.033	1.34		13418	
	non noble metal	nickel	7440-02-0	0.037	1.53	2.87	15303	28721
substrate	organic material	carbon black	1333-86-4	0.001	0.03		281	
	plastics	epoxy resin	-	0.027	1.09		10946	
	inorganic material	silicondioxide	60676-86-0	0.201	8.23		82326	
	non noble metal	copper	7440-50-8	0.269	11.04	20.39	110404	203957
solder	noble metal	silver	7440-22-4	0.000	0.01		55	
	non noble metal	tin	7440-31-5	0.007	0.30	0.31	2982	3037
ubm	non noble metal	tungsten	7440-33-7	0.000			23	
	non noble metal	titanium	7440-32-6	0.000			45	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	127	195
solder resists	inorganic material	silicondioxide	60676-86-0	0.013	0.52		5226	
	inorganic material	bariumsulfate	7727-43-7	0.013	0.53		5287	
	plastics	acrylic resin	-	0.034	1.41	2.46	14079	24592
*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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