

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGA U1A10 E6327	**Issued**	26. August 2021
MA#	MA005404380		
Package	PG-ATSLP-10-3	**Weight***	2.45 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	7.27	7.27	72655	72655
chip_2	inorganic material	silicon	7440-21-3	0.082	3.33	3.33	33305	33305
bumps	non noble metal	copper	7440-50-8	0.020	0.83	0.83	8345	8345
encapsulation	organic material	carbon black	1333-86-4	0.008	0.31		3130	
	inorganic material	zink oxide	1314-13-2	0.015	0.63		6260	
	miscellaneous	miscellaneous	-	0.023	0.94		9390	
	plastics	epoxy resin	-	0.169	6.89		68861	
	inorganic material	silicondioxide	60676-86-0	1.318	53.82	62.59	538368	626009
leadfinish	noble metal	gold	7440-57-5	0.033	1.34		13376	
	non noble metal	nickel	7440-02-0	0.037	1.53	2.87	15255	28631
solder	noble metal	silver	7440-22-4	0.000	0.01		54	
	non noble metal	tin	7440-31-5	0.007	0.30	0.31	2973	3027
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		5210	
	inorganic material	bariumsulfate	7727-43-7	0.013	0.53		5271	
	plastics	acrylic resin	-	0.034	1.40	2.45	14035	24516
substrate metal	non noble metal	copper	7440-50-8	0.269	11.01	11.01	110058	110058
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.03		280	
	plastics	epoxy resin	-	0.027	1.09		10911	
	inorganic material	silicondioxide	60676-86-0	0.201	8.21	9.33	82068	93259
*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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