



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGA U1A10 E6327	Issued	26. August 2021
MA#	MA005567819		
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	0.082	3.34	3.34	33410	33410
chip_2	inorganic material	silicon	7440-21-3	0.178	7.29	7.29	72883	72883
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
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
substrate metal	non noble metal	copper	7440-50-8	0.269	11.04	11.04	110404	110404
substrate plastic	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	9.35	82326	93553
*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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