



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGS 18MA12 E6327	Issued	11. May 2022
MA#	MA005714092		
Package	PG-ATSLP-12-10	Weight*	2.79 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	0.255	9.15	9.15	91454	91454
bumps	non noble metal	copper	7440-50-8	0.016	0.57	0.57	5705	5705
encapsulation	organic material	carbon black	1333-86-4	0.011	0.38		3833	
	plastics	epoxy resin	-	0.240	8.62		86237	
	inorganic material	silicondioxide	60676-86-0	1.528	54.88	63.88	548721	638791
leadfinish	noble metal	gold	7440-57-5	0.041	1.48		14794	
	non noble metal	nickel	7440-02-0	0.047	1.69	3.17	16873	31667
solder	noble metal	silver	7440-22-4	0.000			37	
	non noble metal	tin	7440-31-5	0.006	0.20	0.20	2032	2069
ubm	non noble metal	tungsten	7440-33-7	0.000			32	
	non noble metal	titanium	7440-32-6	0.000	0.01		61	
	non noble metal	copper	7440-50-8	0.000	0.02	0.03	173	266
solder resists	inorganic material	silicondioxide	60676-86-0	0.017	0.60		5958	
	inorganic material	bariumsulfate	7727-43-7	0.017	0.60		6028	
	plastics	acrylic resin	-	0.045	1.60	2.80	16050	28036
substrate metal	non noble metal	copper	7440-50-8	0.290	10.42	10.42	104170	104170
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.03		293	
	plastics	epoxy resin	-	0.032	1.14		11448	
	inorganic material	silicondioxide	60676-86-0	0.240	8.61	9.78	86101	97842
*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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