

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGS 15MU14 E6327	**Issued**	16. May 2021
MA#	MA005403000		
Package	PG-ULGA-14-1	**Weight***	3.76 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	0.235	6.24	6.24	62408	62408
bumps	non noble metal	copper	7440-50-8	0.024	0.64	0.64	6371	6371
encapsulation	organic material	carbon black	1333-86-4	0.011	0.31		3051	
	plastics	epoxy resin	-	0.258	6.86		68647	
	inorganic material	silicondioxide	60676-86-0	1.644	43.67	50.84	436798	508496
leadfinish	noble metal	palladium	7440-05-3	0.000	0.01		71	
	noble metal	gold	7440-57-5	0.000	0.01		115	
	non noble metal	nickel	7440-02-0	0.008	0.21	0.23	2097	2283
plating	noble metal	palladium	7440-05-3	0.000	0.01		56	
	noble metal	gold	7440-57-5	0.000	0.01		90	
	non noble metal	nickel	7440-02-0	0.006	0.16	0.18	1645	1791
solder	noble metal	silver	7440-22-4	0.000	0.01		62	
	non noble metal	tin	7440-31-5	0.013	0.34	0.35	3404	3466
ubm	non noble metal	tungsten	7440-33-7	0.000			5	
	non noble metal	titanium	7440-32-6	0.000			8	
	non noble metal	copper	7440-50-8	0.000			24	37
solder resists	inorganic material	magnesiumsilicate	1343-88-0	0.006	0.15		1465	
	plastics	epoxy resin	-	0.017	0.46		4578	
	inorganic material	silicondioxide	60676-86-0	0.018	0.48		4761	
	inorganic material	bariumsulfate	7727-43-7	0.028	0.75	1.84	7507	18311
substrate metal	non noble metal	copper	7440-50-8	0.638	16.96	16.96	169635	169635
substrate plastic	inorganic material	glass fibre wool	65997-17-3	0.385	10.22		102241	
	organic material	thermosetting resin	-	0.470	12.50	22.72	124961	227202
*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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