



Material Content Data Sheet



Halogen-Free

Sales Product Name BGS 16MA12 E6327

Issued

09. September 2021

MA# MA005446297

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	9.12	9.12	91161	91161
bumps	non noble metal	copper	7440-50-8	0.016	0.57	0.57	5687	5687
encapsulation	organic material	carbon black	1333-86-4	0.009	0.32		3200	
	inorganic material	zink oxide	1314-13-2	0.018	0.64		6400	
	miscellaneous	miscellaneous	-	0.027	0.96		9599	
	plastics	epoxy resin	-	0.197	7.04		70394	
	inorganic material	silicondioxide	60676-86-0	1.538	55.05	64.01	550354	639947
leadfinish	noble metal	gold	7440-57-5	0.041	1.47		14747	
	non noble metal	nickel	7440-02-0	0.047	1.68	3.15	16819	31566
solder	noble metal	silver	7440-22-4	0.000			37	
	non noble metal	tin	7440-31-5	0.006	0.20	0.20	2026	2063
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	0.59		5938	
	inorganic material	bariumsulfate	7727-43-7	0.017	0.60		6008	
	plastics	acrylic resin	-	0.045	1.60	2.79	15999	27945
substrate metal	non noble metal	copper	7440-50-8	0.290	10.38	10.38	103837	103837
substrate plastic	organic material	carbon black	1333-86-4	0.001	0.03		292	
	plastics	epoxy resin	-	0.032	1.14		11411	
	inorganic material	silicondioxide	60676-86-0	0.240	8.58	9.75	85825	97528
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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