



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGSX 22G5A10 E6327	Issued	12. August 2021
MA#	MA005583886		
Package	PG-ATSLP-10-50	Weight*	2.27 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	0.352	15.50	15.50	155022	155022
bumps	noble metal	silver	7440-22-4	0.000			44	
	non noble metal	nickel	7440-02-0	0.001	0.04		446	
	non noble metal	tin	7440-31-5	0.005	0.22		2231	
	non noble metal	copper	7440-50-8	0.014	0.62	0.88	6202	8923
encapsulation	organic material	carbon black	1333-86-4	0.002	0.10		982	
	plastics	epoxy resin	-	0.132	5.79		57933	
	inorganic material	silicondioxide	60676-86-0	0.982	43.19	49.08	432042	490957
leadfinish	noble metal	palladium	7440-05-3	0.000	0.02		162	
	noble metal	gold	7440-57-5	0.001	0.03		261	
	non noble metal	nickel	7440-02-0	0.011	0.48	0.53	4762	5185
solder	noble metal	silver	7440-22-4	0.000	0.01		74	
	non noble metal	tin	7440-31-5	0.007	0.32	0.33	3151	3225
ubm	non noble metal	titanium	7440-32-6	0.000			7	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	56	63
substrate metal	non noble metal	copper	7440-50-8	0.520	22.90	22.90	228958	228958
substrate plastic	organic material	carbon black	1333-86-4	0.000	0.02		162	
	plastics	epoxy resin	-	0.031	1.38		13835	
	inorganic material	silicondioxide	60676-86-0	0.213	9.37	10.77	93670	107667
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com