



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGSX 44MA12 E6327	Issued	27. April 2022
MA#	MA005715191		
Package	PG-ATSLP-12-12	Weight*	3.48 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	0.401	11.52	11.52	115222	115222
bumps	non noble metal	copper	7440-50-8	0.010	0.29	0.29	2938	2938
encapsulation	organic material	carbon black	1333-86-4	0.013	0.38		3800	
	plastics	epoxy resin	-	0.297	8.55		85494	
	inorganic material	silicondioxide	60676-86-0	1.891	54.42	63.35	543992	633286
leadfinish	noble metal	gold	7440-57-5	0.053	1.54		15356	
	non noble metal	nickel	7440-02-0	0.061	1.75	3.29	17513	32869
substrate	organic material	carbon black	1333-86-4	0.001	0.03		286	
	plastics	epoxy resin	-	0.039	1.11		11147	
	inorganic material	silicondioxide	60676-86-0	0.291	8.38		83836	
	non noble metal	copper	7440-50-8	0.414	11.92	21.44	119214	214483
solder	noble metal	silver	7440-22-4	0.000			19	
	non noble metal	tin	7440-31-5	0.004	0.10	0.10	1046	1065
ubm	non noble metal	tungsten	7440-33-7	0.000			16	
	non noble metal	titanium	7440-32-6	0.000			32	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	89	137
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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