



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGSX 44MA12 E6327	Issued	22. April 2022
MA#	MA005713830		
Package	PG-ATSLP-12-12	Weight*	3.49 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	11.49	11.49	114856	114856
bumps	non noble metal	copper	7440-50-8	0.010	0.29	0.29	2929	2929
encapsulation	organic material	carbon black	1333-86-4	0.011	0.32		3172	
	inorganic material	zink oxide	1314-13-2	0.022	0.63		6344	
	miscellaneous	miscellaneous	-	0.033	0.95		9517	
	plastics	epoxy resin	-	0.243	6.98		69789	
	inorganic material	silicondioxide	60676-86-0	1.903	54.57	63.45	545627	634449
leadfinish	noble metal	gold	7440-57-5	0.053	1.53		15307	
	non noble metal	nickel	7440-02-0	0.061	1.75	3.28	17458	32765
substrate	organic material	carbon black	1333-86-4	0.001	0.03		285	
	plastics	epoxy resin	-	0.039	1.11		11111	
	inorganic material	silicondioxide	60676-86-0	0.291	8.36		83571	
	non noble metal	copper	7440-50-8	0.414	11.88	21.38	118835	213802
solder	noble metal	silver	7440-22-4	0.000			19	
	non noble metal	tin	7440-31-5	0.004	0.10	0.10	1043	1062
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.
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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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