



Material Content Data Sheet



Sales Product Name		BGSX 44MA12 E6327		Issued		4. March 2019		
MA#		MA005285828						
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	
	plastics	epoxy resin	-	0.321	9.20		91995	
leadfinish	inorganic material	silicondioxide	60676-86-0	1.881	53.93	63.45	539282	634449
	noble metal	gold	7440-57-5	0.053	1.53		15307	
substrate	non noble metal	nickel	7440-02-0	0.061	1.75	3.28	17458	32765
	organic material	carbon black	1333-86-4	0.001	0.03		285	
solder	plastics	epoxy resin	-	0.039	1.11		11111	
	inorganic material	silicondioxide	60676-86-0	0.291	8.36		83571	
ubm	non noble metal	copper	7440-50-8	0.414	11.88	21.38	118835	213802
	noble metal	silver	7440-22-4	0.000	0.00		19	
*deviation	non noble metal	tin	7440-31-5	0.004	0.10	0.10	1043	1062
	non noble metal	tungsten	7440-33-7	0.000	0.00		16	
Sum in total:	non noble metal	titanium	7440-32-6	0.000	0.00		32	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	89	137
						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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