



## Material Content Data Sheet



<b>Sales Product Name</b>		BGS 15MA12 E6327		<b>Issued</b>		20. July 2018		
<b>MA#</b>		MA001337650						
<b>Package</b>		PG-ATSLP-12-4		<b>Weight*</b>		3.68 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	0.372	10.11	10.11	101100	101100
bumps	non noble metal	copper	7440-50-8	0.022	0.59	0.59	5868	5868
encapsulation	organic material	carbon black	1333-86-4	0.012	0.33		3280	
	plastics	epoxy resin	-	0.350	9.51		95127	
leadfinish	inorganic material	silicondioxide	60676-86-0	2.049	55.76	65.60	557640	656047
	noble metal	gold	7440-57-5	0.024	0.66		6614	
substrate	non noble metal	nickel	7440-02-0	0.028	0.75	1.41	7543	14157
	organic material	carbon black	1333-86-4	0.001	0.02		248	
	plastics	epoxy resin	-	0.036	0.97		9678	
	inorganic material	silicondioxide	60676-86-0	0.267	7.28		72793	
ubm	non noble metal	copper	7440-50-8	0.444	12.09	20.36	120916	203635
	non noble metal	copper	7440-50-8	0.000	0.01		89	
	non noble metal	titanium	7440-32-6	0.000	0.00		32	
	non noble metal	tungsten	7440-33-7	0.000	0.00	0.01	16	137
solder	noble metal	silver	7440-22-4	0.000	0.01		74	
	non noble metal	tin	7440-31-5	0.012	0.32	0.33	3154	3228
solder resists	inorganic material	bariumsulfate	7727-43-7	0.013	0.34		3403	
	inorganic material	silicondioxide	60676-86-0	0.012	0.34		3363	
	plastics	acrylic resin	-	0.033	0.91	1.59	9062	15828
*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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