

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BGSX 24MU16 E6327	**Issued**	24. September 2019
MA#	MA005398702		
Package	PG-ULGA-16-1	**Weight***	5.33 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	0.564	10.58	10.58	105841	105841
bumps	non noble metal	copper	7440-50-8	0.022	0.40	0.40	4050	4050
encapsulation	organic material	carbon black	1333-86-4	0.026	0.49		4924	
	organic material	phenol formaldehyde resin	9003-35-4	0.131	2.46		24619	
	plastics	epoxy resin	-	0.367	6.89		68933	
	inorganic material	amorphous silica	7631-86-9	0.787	14.77		147713	
	inorganic material	silicondioxide	60676-86-0	1.311	24.66	49.27	246187	492376
leadfinish	noble metal	palladium	7440-05-3	0.000	0.01		55	
	noble metal	gold	7440-57-5	0.000	0.01		88	
	non noble metal	nickel	7440-02-0	0.009	0.16	0.18	1610	1753
substrate	inorganic material	aluminiumhydroxide	21645-51-2	0.278	5.21		52122	
	plastics	epoxy bismaleimide triazine resin	-	0.319	5.98		59844	
	inorganic material	glass fibre	-	0.432	8.11		81078	
	non noble metal	copper	7440-50-8	0.853	16.01	35.31	160142	353186
plating	noble metal	palladium	7440-05-3	0.000	0.00		45	
	noble metal	gold	7440-57-5	0.000	0.01		73	
	non noble metal	nickel	7440-02-0	0.007	0.13	0.14	1331	1449
solder	noble metal	silver	7440-22-4	0.000	0.00		31	
	non noble metal	nickel	7440-02-0	0.002	0.03		308	
	non noble metal	tin	7440-31-5	0.008	0.15		1541	
	non noble metal	copper	7440-50-8	0.023	0.43	0.61	4284	6164
ubm	non noble metal	titanium	7440-32-6	0.000	0.00		6	
	non noble metal	copper	7440-50-8	0.000	0.00	0.00	46	52
solder resists	inorganic material	magnesiumsilicate	1343-88-0	0.015	0.28		2810	
	plastics	epoxy resin	-	0.047	0.88		8782	
	inorganic material	silicondioxide	60676-86-0	0.049	0.91		9134	
	inorganic material	bariumsulfate	7727-43-7	0.077	1.44	3.51	14403	35129
*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 München
Internet	www.infineon.com