



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGSX 44MU18 E6327	Issued	08. April 2022
MA#	MA005583796		
Package	PG-WLGA-18-1	Weight*	6.68 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	0.746	11.17	11.17	111679	111679
bumps	noble metal	silver	7440-22-4	0.000	0.01		67	
	non noble metal	nickel	7440-02-0	0.004	0.07		669	
	non noble metal	tin	7440-31-5	0.022	0.33		3344	
	non noble metal	copper	7440-50-8	0.062	0.93	1.34	9297	13377
encapsulation	organic material	carbon black	1333-86-4	0.029	0.43		4323	
	organic material	phenol formaldehyde resin	9003-35-4	0.144	2.16		21616	
	plastics	epoxy resin	-	0.405	6.05		60524	
	inorganic material	amorphous silica	7631-86-9	0.867	12.97		129695	
	inorganic material	silicondioxide	60676-86-0	1.445	21.61	43.22	216159	432317
leadfinish	noble metal	palladium	7440-05-3	0.000			50	
	noble metal	gold	7440-57-5	0.001	0.01		80	
	non noble metal	nickel	7440-02-0	0.010	0.15	0.16	1451	1581
ubm	non noble metal	titanium	7440-32-6	0.000			11	
	non noble metal	copper	7440-50-8	0.001	0.01	0.01	84	95
solder resists	plastics	epoxy resin	-	0.060	0.90		9044	
	inorganic material	bariumsulfate	7727-43-7	0.093	1.39		13878	
	plastics	acrylic resin	-	0.107	1.61	3.90	16061	38983
substrate metal	non noble metal	copper	7440-50-8	1.177	17.61	17.61	176113	176113
substrate plastic	plastics	bismaleimide triazine resin	-	0.377	5.65		56464	
	inorganic material	aluminiumhydroxide	21645-51-2	0.415	6.21		62110	
	inorganic material	glass fibre	-	0.717	10.73	22.59	107281	225855
*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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com