



Material Content Data Sheet



Halogen-Free

Sales Product Name	BGSX 33M5U16 E6327	Issued	24. February 2022
MA#	MA005427110		
Package	PG-ULGA-16-3	Weight*	5.16 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	0.499	9.67	9.67	96707	96707
bumps	noble metal	silver	7440-22-4	0.000			41	
	non noble metal	nickel	7440-02-0	0.002	0.04		413	
	non noble metal	tin	7440-31-5	0.011	0.21		2063	
	non noble metal	copper	7440-50-8	0.030	0.57	0.82	5736	8253
encapsulation	organic material	carbon black	1333-86-4	0.016	0.30		3043	
	plastics	epoxy resin	-	0.353	6.85		68471	
	inorganic material	silicondioxide	60676-86-0	2.248	43.55	50.70	435682	507196
leadfinish	noble metal	palladium	7440-05-3	0.000	0.01		65	
	noble metal	gold	7440-57-5	0.001	0.01		104	
	non noble metal	nickel	7440-02-0	0.010	0.19	0.21	1893	2062
plating	noble metal	palladium	7440-05-3	0.000	0.01		53	
	noble metal	gold	7440-57-5	0.000	0.01		86	
	non noble metal	nickel	7440-02-0	0.008	0.16	0.18	1564	1703
ubm	non noble metal	titanium	7440-32-6	0.000			7	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	52	59
solder resists	inorganic material	magnesiumsilicate	1343-88-0	0.014	0.28		2755	
	plastics	epoxy resin	-	0.044	0.86		8609	
	inorganic material	silicondioxide	60676-86-0	0.046	0.90		8953	
	inorganic material	bariumsulfate	7727-43-7	0.073	1.41	3.45	14119	34436
substrate metal	non noble metal	copper	7440-50-8	0.652	12.64	12.64	126364	126364
substrate plastic	inorganic material	glass fibre wool	65997-17-3	0.518	10.04		100449	
	organic material	thermosetting resin	-	0.633	12.28	22.32	122771	223220
*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.

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

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