

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS244Z E3043	**Issued**	03. June 2021
MA#	MA003037966		
Package	PG-TO220-5-12	**Weight***	2125.13 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	7.628	0.36	0.36	3589	3589
chip_2	inorganic material	silicon	7440-21-3	0.454	0.02	0.02	214	214
leadframe	inorganic material	phosphorus	7723-14-0	0.277	0.01		130	
	non noble metal	iron	7439-89-6	0.923	0.04		434	
	non noble metal	copper	7440-50-8	921.567	43.36	43.41	433653	434217
wire	non noble metal	aluminium	7429-90-5	2.274	0.11	0.11	1070	1070
encapsulation	inorganic material	zincoxide	1314-13-2	5.688	0.27		2676	
	miscellaneous	miscellaneous	-	22.750	1.07		10705	
	plastics	epoxy resin	-	85.314	4.01		40145	
	inorganic material	silicondioxide	60676-86-0	455.006	21.41	26.76	214108	267634
leadfinish	non noble metal	tin	7440-31-5	24.181	1.14	1.14	11379	11379
plating	inorganic material	phosphorus	7723-14-0	0.008			4	
	non noble metal	nickel	7440-02-0	3.285	0.15	0.15	1546	1550
solder	non noble metal	tin	7440-31-5	0.108	0.01		51	
	noble metal	silver	7440-22-4	0.135	0.01		63	
	non noble metal	lead	7439-92-1	5.139	0.24	0.26	2418	2532
glue	plastics	Polyimide	26023-21-2	0.157	0.01	0.01	74	74
heatspreader	inorganic material	phosphorus	7723-14-0	0.177	0.01		83	
	non noble metal	iron	7439-89-6	0.590	0.03		278	
	non noble metal	copper	7440-50-8	589.466	27.74	27.78	277380	277741
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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