



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS443P	Issued	13. May 2021
MA#	MA001949436		
Package	PG-TO252-5-11	Weight*	358.63 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	5.264	1.47	1.47	14679	14679
chip_2	inorganic material	silicon	7440-21-3	1.025	0.29	0.29	2858	2858
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		171	
	non noble metal	iron	7439-89-6	0.205	0.06		570	
	non noble metal	copper	7440-50-8	204.243	56.95	57.03	569513	570254
wire	non noble metal	aluminium	7429-90-5	2.546	0.71	0.71	7100	7100
encapsulation	inorganic material	zinc oxide	1314-13-2	1.358	0.38		3788	
	miscellaneous	miscellaneous	-	6.792	1.89		18938	
	plastics	epoxy resin	-	20.375	5.68		56813	
	inorganic material	silicon dioxide	60676-86-0	107.308	29.92	37.87	299218	378757
lead finish	non noble metal	tin	7440-31-5	5.072	1.41	1.41	14144	14144
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	212	213
solder	non noble metal	tin	7440-31-5	0.083	0.02		233	
	noble metal	silver	7440-22-4	0.104	0.03		291	
	non noble metal	lead	7439-92-1	3.982	1.11	1.16	11103	11627
glue	plastics	Polyimide	26023-21-2	0.132	0.04	0.04	368	368
*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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