



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS5012SDA	Issued	24. February 2022
MA#	MA005706592		
Package	PG-TO252-5-11	Weight*	355.64 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	3.719	1.05	1.05	10456	10456
chip_2	inorganic material	silicon	7440-21-3	1.157	0.33	0.33	3255	3255
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		173	
	non noble metal	iron	7439-89-6	0.205	0.06		575	
	non noble metal	copper	7440-50-8	204.243	57.40	57.48	574305	575053
wire	non noble metal	aluminium	7429-90-5	1.568	0.44	0.44	4408	4408
encapsulation	inorganic material	zinc oxide	1314-13-2	1.379	0.39		3877	
	miscellaneous	miscellaneous	-	6.894	1.94		19385	
	plastics	epoxy resin	-	20.682	5.82		58154	
	inorganic material	silicon dioxide	60676-86-0	108.924	30.63	38.78	306279	387695
lead finish	non noble metal	tin	7440-31-5	5.072	1.43	1.43	14263	14263
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	214	215
solder	non noble metal	tin	7440-31-5	0.027	0.01		75	
	noble metal	silver	7440-22-4	0.033	0.01		93	
	non noble metal	lead	7439-92-1	1.268	0.36	0.38	3564	3732
glue	plastics	Polyimide	26023-21-2	0.328	0.09	0.09	923	923
*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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