

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	BTS50020-1TAD	**Issued**	15. May 2021
MA#	MA004091362		
Package	PG-TO263-7-10	**Weight***	1557.81 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	7.904	0.51	0.51	5074	5074
chip_2	inorganic material	silicon	7440-21-3	1.848	0.12	0.12	1186	1186
leadframe	inorganic material	phosphorus	7723-14-0	0.247	0.02		159	
	non noble metal	iron	7439-89-6	0.823	0.05		529	
	non noble metal	copper	7440-50-8	822.375	52.78	52.85	527905	528593
wire	non noble metal	aluminium	7429-90-5	13.482	0.87	0.87	8655	8655
encapsulation	inorganic material	zincoxide	1314-13-2	5.597	0.36		3593	
	miscellaneous	miscellaneous	-	22.386	1.44		14370	
	plastics	epoxy resin	-	83.948	5.39		53888	
	inorganic material	silicondioxide	60676-86-0	447.721	28.74	35.93	287405	359256
leadfinish	non noble metal	tin	7440-31-5	12.163	0.78	0.78	7808	7808
plating	inorganic material	phosphorus	7723-14-0	0.007			5	
	non noble metal	nickel	7440-02-0	2.941	0.19	0.19	1888	1893
solder	non noble metal	tin	7440-31-5	0.108	0.01		69	
	noble metal	silver	7440-22-4	0.135	0.01		87	
	non noble metal	lead	7439-92-1	5.163	0.33	0.35	3314	3470
glue	plastics	Polyimide	26023-21-2	0.198	0.01	0.01	127	127
heatspreader	inorganic material	phosphorus	7723-14-0	0.039			25	
	non noble metal	iron	7439-89-6	0.131	0.01		84	
	non noble metal	copper	7440-50-8	130.589	8.38	8.39	83829	83938
*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.

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