



Material Content Data Sheet



Sales Product Name		BTS3142D		Issued		19. July 2018		
MA#		MA000969268						
Package		PG-TO252-3-11		Weight*		372.44 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	5.197	1.40	1.40	13953	13953
leadframe	non noble metal	iron	7439-89-6	0.215	0.06		578	
	inorganic material	phosphorus	7723-14-0	0.065	0.02		173	
	non noble metal	copper	7440-50-8	215.017	57.73	57.81	577322	578073
wire	non noble metal	aluminium	7429-90-5	1.464	0.39	0.39	3930	3930
encapsulation	organic material	carbon black	1333-86-4	1.234	0.33		3312	
	plastics	epoxy resin	-	21.588	5.80		57964	
	inorganic material	silicondioxide	60676-86-0	100.538	26.99	33.12	269945	331221
leadfinish	non noble metal	tin	7440-31-5	3.740	1.00	1.00	10042	10042
plating	non noble metal	nickel	7440-02-0	0.091	0.02		244	
	inorganic material	phosphorus	7723-14-0	0.000	0.00	0.02	1	245
solder	noble metal	silver	7440-22-4	0.102	0.03		274	
	non noble metal	tin	7440-31-5	0.082	0.02		220	
	non noble metal	lead	7439-92-1	3.905	1.05	1.10	10484	10978
heatspreader	non noble metal	iron	7439-89-6	0.019	0.01		52	
	inorganic material	phosphorus	7723-14-0	0.006	0.00		15	
	non noble metal	copper	7440-50-8	19.177	5.15	5.16	51491	51558
*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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