



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS428L2	Issued	24. June 2021
MA#	MA002319718		
Package	PG-TO252-5-11	Weight*	356.91 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	3.586	1.00	1.00	10046	10046
leadframe	inorganic material	phosphorus	7723-14-0	0.061	0.02		172	
	non noble metal	iron	7439-89-6	0.205	0.06		573	
	non noble metal	copper	7440-50-8	204.243	57.23	57.31	572254	572999
wire	non noble metal	aluminium	7429-90-5	0.762	0.21	0.21	2136	2136
encapsulation	inorganic material	zinc oxide	1314-13-2	1.397	0.39		3915	
	miscellaneous	miscellaneous	-	6.987	1.96		19575	
	plastics	epoxy resin	-	20.960	5.87		58725	
	inorganic material	silicon dioxide	60676-86-0	110.388	30.93	39.15	309287	391502
lead finish	non noble metal	tin	7440-31-5	5.072	1.42	1.42	14212	14212
plating	inorganic material	phosphorus	7723-14-0	0.000			1	
	non noble metal	nickel	7440-02-0	0.076	0.02	0.02	213	214
solder	non noble metal	tin	7440-31-5	0.063	0.02		178	
	noble metal	silver	7440-22-4	0.079	0.02		222	
	non noble metal	lead	7439-92-1	3.031	0.85	0.89	8491	8891
*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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