



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS640S2G	Issued	03. May 2021
MA#	MA000914022		
Package	PG-TO263-7-2	Weight*	1558.59 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	6.313	0.41	0.41	4051	4051
leadframe	inorganic material	phosphorus	7723-14-0	0.241	0.02		155	
	non noble metal	iron	7439-89-6	0.803	0.05		515	
	non noble metal	copper	7440-50-8	801.714	51.43	51.50	514383	515053
wire	non noble metal	aluminium	7429-90-5	3.950	0.25	0.25	2534	2534
encapsulation	organic material	carbon black	1333-86-4	1.244	0.08		798	
	plastics	epoxy resin	-	57.218	3.67		36711	
	inorganic material	silicon dioxide	60676-86-0	563.468	36.15	39.90	361525	399034
leadfinish	non noble metal	tin	7440-31-5	12.317	0.79	0.79	7903	7903
plating	inorganic material	phosphorus	7723-14-0	0.001			1	
	non noble metal	nickel	7440-02-0	0.269	0.02	0.02	173	174
solder	non noble metal	tin	7440-31-5	0.094	0.01		60	
	noble metal	silver	7440-22-4	0.118	0.01		75	
	non noble metal	lead	7439-92-1	4.493	0.29	0.31	2883	3018
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.81	6.82	68145	68233
*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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