

Material Content Data Sheet

RoHS

Sales Product Name	BTS4142N	**Issued**	08. April 2022
MA#	MA005709854		
Package	PG-SOT223-4-34	**Weight***	113.60 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	2.309	2.03	2.03	20329	20329
leadframe	inorganic material	silicon	7440-21-3	0.010	0.01		91	
	non noble metal	titanium	7440-32-6	0.052	0.05		456	
	non noble metal	chromium	7440-47-3	0.155	0.14		1367	
	non noble metal	copper	7440-50-8	51.532	45.35	45.55	453642	455556
wire	noble metal	gold	7440-57-5	0.244	0.21	0.21	2146	2146
encapsulation	organic material	carbon black	1333-86-4	0.450	0.40		3965	
	plastics	brominated resin	-	0.563	0.50		4956	
	inorganic material	antimonytrioxide	1309-64-4	1.126	0.99		9911	
	plastics	epoxy resin	-	10.245	9.02		90193	
	inorganic material	silicondioxide	60676-86-0	43.909	38.65	49.56	386540	495565
leadfinish	non noble metal	tin	7440-31-5	1.465	1.29	1.29	12899	12899
plating	noble metal	silver	7440-22-4	0.756	0.67	0.67	6655	6655
glue	plastics	epoxy resin	-	0.136	0.12		1199	
	noble metal	silver	7440-22-4	0.642	0.57	0.69	5651	6850
*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.
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This product is in compliance with EU Directive 2015/863/EU amending Annex II to EU Directive 2011/65/EU (RoHS) and does not use any exemption.

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