



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS4160DGA	Issued	12. April 2021
MA#	MA002224380		
Package	PG-DSO-14-37	Weight*	143.83 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	3.505	2.44	2.44	24366	24366
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		105	
	non noble metal	zinc	7440-66-6	0.060	0.04		420	
	non noble metal	iron	7439-89-6	1.207	0.84		8391	
	non noble metal	copper	7440-50-8	49.007	34.07	34.96	340720	349636
wire	noble metal	gold	7440-57-5	1.045	0.73	0.73	7262	7262
encapsulation	organic material	carbon black	1333-86-4	0.171	0.12		1192	
	plastics	epoxy resin	-	7.886	5.48		54829	
	inorganic material	silicondioxide	60676-86-0	77.663	54.00	59.60	539950	595971
leadfinish	non noble metal	tin	7440-31-5	1.226	0.85	0.85	8525	8525
plating	noble metal	silver	7440-22-4	1.030	0.72	0.72	7160	7160
glue	plastics	epoxy resin	-	0.178	0.12		1239	
	noble metal	silver	7440-22-4	0.840	0.58	0.70	5841	7080
*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.

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