



## Material Content Data Sheet



<b>Sales Product Name</b>		BTS4130QGA		<b>Issued</b>		10. August 2018		
<b>MA#</b>		MA002224388						
<b>Package</b>		PG-DSO-20-32		<b>Weight*</b>		478.78 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	3.505	0.73	0.73	7320	7320
chip_2	inorganic material	silicon	7440-21-3	3.505	0.73	0.73	7320	7320
leadframe	inorganic material	phosphorus	7723-14-0	0.036	0.01		75	
	non noble metal	zinc	7440-66-6	0.143	0.03		299	
	non noble metal	iron	7439-89-6	2.862	0.60		5977	
wire	non noble metal	copper	7440-50-8	116.197	24.27	24.91	242692	249043
	non noble metal	aluminium	7429-90-5	0.431	0.09	0.09	901	901
	organic material	carbon black	1333-86-4	0.692	0.14		1445	
encapsulation	plastics	epoxy resin	-	31.814	6.64		66447	
	inorganic material	silicondioxide	60676-86-0	313.297	65.45	72.23	654362	722254
leadfinish	non noble metal	tin	7440-31-5	2.746	0.57	0.57	5735	5735
plating	inorganic material	phosphorus	7723-14-0	0.001	0.00		2	
	non noble metal	nickel	7440-02-0	0.341	0.07		713	
	noble metal	silver	7440-22-4	1.177	0.25	0.32	2458	3173
glue	plastics	epoxy resin	-	0.356	0.07		744	
	noble metal	silver	7440-22-4	1.680	0.35	0.42	3510	4254
*deviation	< 10%				Sum in total:		100.00	1000000

### Important Remarks:

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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 does not use any exemption

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