



Material Content Data Sheet



Halogen-Free

Sales Product Name	BTS72220-4ESA	Issued	23. June 2021
MA#	MA005545077		
Package	PG-TSDSO-24-32	Weight*	113.23 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	3.687	3.26	3.26	32560	32560
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		141	
	non noble metal	zinc	7440-66-6	0.064	0.06		565	
	non noble metal	iron	7439-89-6	1.279	1.13		11294	
	non noble metal	copper	7440-50-8	51.928	45.85	47.05	458594	470594
wire	non noble metal	copper	7440-50-8	1.632	1.44	1.44	14417	14417
encapsulation	organic material	carbon black	1333-86-4	0.148	0.13		1311	
	plastics	epoxy resin	-	5.791	5.11		51144	
	inorganic material	silicondioxide	60676-86-0	43.558	38.47	43.71	384676	437131
leadfinish	non noble metal	tin	7440-31-5	2.781	2.46	2.46	24562	24562
plating	noble metal	silver	7440-22-4	1.324	1.17	1.17	11689	11689
glue	plastics	epoxy resin	-	0.179	0.16		1583	
	noble metal	silver	7440-22-4	0.845	0.75	0.91	7464	9047
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

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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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