



Material Content Data Sheet



Sales Product Name		BTS54220-LBE		Issued		25. September 2017		
MA#		MA001403230						
Package		PG-TSON-24-3		Weight*		184.28 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	10.076	5.47	5.47	54680	54680
leadframe	inorganic material	phosphorus	7723-14-0	0.021	0.01		114	
	non noble metal	zinc	7440-66-6	0.084	0.05		457	
	non noble metal	iron	7439-89-6	1.685	0.91		9145	
wire	non noble metal	copper	7440-50-8	68.425	37.13	38.10	371309	381025
	non noble metal	copper	7440-50-8	2.586	1.40	1.40	14034	14034
	encapsulation	organic material	carbon black	1333-86-4	0.183	0.10		993
plastics		epoxy resin	-	9.428	5.12		51159	
	inorganic material	silicondioxide	60676-86-0	81.920	44.45	49.67	444540	496692
leadfinish	non noble metal	tin	7440-31-5	2.578	1.40	1.40	13991	13991
plating	noble metal	silver	7440-22-4	0.378	0.21	0.21	2051	2051
solder	noble metal	silver	7440-22-4	0.173	0.09		938	
	non noble metal	tin	7440-31-5	0.138	0.08		751	
	non noble metal	lead	7439-92-1	6.604	3.58	3.75	35838	37527
*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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