



Material Content Data Sheet



Sales Product Name		BTS54220-LBF		Issued		25. September 2017		
MA#		MA001454276						
Package		PG-TSON-24-1		Weight*		183.20 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	5.50	5.50	55004	55004
leadframe	inorganic material	phosphorus	7723-14-0	0.021	0.01		113	
	non noble metal	zinc	7440-66-6	0.083	0.05		452	
	non noble metal	iron	7439-89-6	1.657	0.90		9043	
wire	non noble metal	copper	7440-50-8	67.270	36.72	37.68	367204	376812
	non noble metal	copper	7440-50-8	2.586	1.41	1.41	14118	14118
	encapsulation	organic material	carbon black	1333-86-4	0.183	0.10		1000
	plastics	epoxy resin	-	9.439	5.15		51525	
		inorganic material	silicondioxide	60676-86-0	82.020	44.78	50.03	447717
leadfinish	non noble metal	tin	7440-31-5	2.519	1.38	1.38	13752	13752
plating	noble metal	silver	7440-22-4	0.426	0.23	0.23	2323	2323
solder	noble metal	silver	7440-22-4	0.173	0.09		944	
	non noble metal	tin	7440-31-5	0.138	0.08		755	
	non noble metal	lead	7439-92-1	6.604	3.60	3.77	36050	37749
*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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