



Material Content Data Sheet



Sales Product Name		BGA 416 E6327		Issued		25. September 2017		
MA#		MA000787190						
Package		PG-SOT143-4-1		Weight*		11.07 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip	noble metal	gold	7440-57-5	0.004	0.03		347	
	non noble metal	tin	7440-31-5	0.001	0.01		89	
	inorganic material	silicon	7440-21-3	0.028	0.26	0.30	2568	3004
leadframe	non noble metal	nickel	7440-02-0	1.673	15.11		151135	
	non noble metal	iron	7439-89-6	2.310	20.87	35.98	208710	359845
wire	noble metal	gold	7440-57-5	0.017	0.16	0.16	1564	1564
	encapsulation	organic material	carbon black	1333-86-4	0.104	0.94		9418
inorganic material		antimonytrioxide	1309-64-4	0.156	1.41		14127	
plastics		brominated resin	-	0.195	1.77		17658	
plastics		epoxy resin	-	1.629	14.72		147152	
	inorganic material	silicondioxide	60676-86-0	4.430	40.02	58.86	400255	588610
leadfinish	non noble metal	tin	7440-31-5	0.217	1.96	1.96	19571	19571
plating	noble metal	silver	7440-22-4	0.303	2.74	2.74	27406	27406
*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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