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Material Content Data Sheet



Sales Product Name		BGA 8U1BN6 E6327		Issued		19. January 2018		
MA#		MA001624284						
Package		PG-TSNP-6-2		Weight*		0.92 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	0.093	10.16	10.16	101581	101581
bumps	non noble metal	copper	7440-50-8	0.003	0.33	0.33	3303	3303
leadframe	non noble metal	tin	7440-31-5	0.001	0.10		971	
	non noble metal	zinc	7440-66-6	0.001	0.08		777	
encapsulation	non noble metal	chromium	7440-47-3	0.001	0.12		1166	
	non noble metal	copper	7440-50-8	0.353	38.56	38.86	385626	388540
	organic material	carbon black	1333-86-4	0.002	0.22		2240	
	plastics	epoxy resin	-	0.060	6.50		64954	
leadfinish	inorganic material	silicondioxide	60676-86-0	0.349	38.08	44.80	380764	447958
	non noble metal	tin	7440-31-5	0.037	4.05	4.05	40548	40548
plating	noble metal	silver	7440-22-4	0.015	1.62	1.62	16200	16200
ubm	non noble metal	copper	7440-50-8	0.000	0.00	0.00	34	53
	non noble metal	titanium	7440-32-6	0.000	0.00		12	
	non noble metal	tungsten	7440-33-7	0.000	0.00		7	
solder	noble metal	silver	7440-22-4	0.000	0.00		41	
	non noble metal	tin	7440-31-5	0.002	0.18	0.18	1776	1817
*deviation	< 10%		Sum in total:			100.00		1000000

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