



Material Content Data Sheet



Sales Product Name	PMA5110			Issued		29. August 2013		
MA#	MA000793226							
Package	PG-TSSOP-38-4			Weight*		117.79 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	4.898	4.16	4.16	41586	41586
leadframe	non noble metal	magnesium	7439-95-4	0.075	0.06		639	
	inorganic material	silicon	7440-21-3	0.326	0.28		2767	
	non noble metal	nickel	7440-02-0	1.504	1.28		12771	
	non noble metal	copper	7440-50-8	48.239	40.95	42.57	409534	425711
wire	noble metal	gold	7440-57-5	0.640	0.54	0.54	5433	5433
encapsulation	organic material	carbon black	1333-86-4	0.181	0.15		1534	
	plastics	epoxy resin	-	7.651	6.50		64953	
	inorganic material	silicondioxide	60676-86-0	52.412	44.51	51.16	444957	511444
leadfinish	noble metal	silver	7440-22-4	0.004	0.00		34	
	noble metal	gold	7440-57-5	0.007	0.01		62	
	noble metal	palladium	7440-05-3	0.005	0.00		38	
	non noble metal	nickel	7440-02-0	0.133	0.11	0.12	1127	1261
plating	noble metal	gold	7440-57-5	0.004	0.00		37	
	noble metal	silver	7440-22-4	0.002	0.00		20	
	noble metal	palladium	7440-05-3	0.003	0.00		23	
	non noble metal	nickel	7440-02-0	0.080	0.07	0.07	678	758
glue	plastics	epoxy resin	-	0.325	0.28		2761	
	noble metal	silver	7440-22-4	1.301	1.10	1.38	11046	13807
*deviation	< 10%	Sum in total:			100,00			1000000

Important Remarks:

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