



Material Content Data Sheet



Sales Product Name		TLF1963TB		Issued		28. August 2013		
MA#		MA000994124						
Package		PG-TO263-5-1		Weight*		1672.91 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	4.428	0.26	0.26	2647	2647
leadframe	non noble metal	iron	7439-89-6	0.483	0.03		289	
	inorganic material	phosphorus	7723-14-0	0.145	0.01		87	
	non noble metal	copper	7440-50-8	482.096	28.82	28.86	288178	288554
wire	non noble metal	aluminium	7429-90-5	0.258	0.02	0.02	154	154
encapsulation	organic material	carbon black	1333-86-4	1.455	0.09		869	
	plastics	epoxy resin	-	66.908	4.00		39995	
	inorganic material	silicondioxide	60676-86-0	658.898	39.37	43.46	393862	434727
leadfinish	non noble metal	tin	7440-31-5	12.370	0.74	0.74	7394	7394
plating	non noble metal	nickel	7440-02-0	0.243	0.01		145	
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145
solder	noble metal	silver	7440-22-4	0.090	0.01		54	
	non noble metal	tin	7440-31-5	0.072	0.00		43	
	non noble metal	lead	7439-92-1	3.436	0.21	0.22	2054	2151
heatspreader	inorganic material	phosphorus	7723-14-0	0.133	0.01		79	
	non noble metal	iron	7439-89-6	0.442	0.03		264	
	non noble metal	copper	7440-50-8	441.456	26.39	26.43	263885	264228
*deviation	< 10%		Sum in total:			100.00		1000000

Important Remarks:

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