



Material Content Data Sheet



Sales Product Name				SPI08N80C3		Issued		25. September 2017	
MA#				MA000669634					
Package				PG-TO262-3-1		Weight*		1572.92 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	6.828	0.43	0.43	4341	4341	
leadframe	non noble metal	iron	7439-89-6	0.851	0.05		541		
	inorganic material	phosphorus	7723-14-0	0.255	0.02		162		
	non noble metal	copper	7440-50-8	849.682	54.03	54.10	540194	540898	
wire	non noble metal	aluminium	7429-90-5	26.028	1.65	1.65	16548	16548	
encapsulation	organic material	carbon black	1333-86-4	5.638	0.36		3584		
	plastics	epoxy resin	-	107.124	6.81		68105		
	inorganic material	silicondioxide	60676-86-0	451.047	28.68	35.85	286758	358447	
leadfinish	non noble metal	tin	7440-31-5	15.388	0.98	0.98	9783	9783	
plating	non noble metal	nickel	7440-02-0	0.228	0.01		145		
	inorganic material	phosphorus	7723-14-0	0.001	0.00	0.01	1	145	
solder	non noble metal	antimony	7440-36-0	0.350	0.02		223		
	noble metal	silver	7440-22-4	0.875	0.06		556		
	non noble metal	tin	7440-31-5	2.276	0.14	0.22	1447	2226	
heatspreader	non noble metal	iron	7439-89-6	0.106	0.01		68		
	inorganic material	phosphorus	7723-14-0	0.032	0.00		20		
	non noble metal	copper	7440-50-8	106.210	6.75	6.76	67524	67612	
*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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