



Material Content Data Sheet



Sales Product Name		SPI08N80C3		Issued		1. August 2018		
MA#		MA001639338						
Package		PG-TO262-3-22		Weight*		1565.06 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	0.44	0.44	4363	4363
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		544	
	non noble metal	copper	7440-50-8	849.682	54.26	54.33	542907	543614
	non noble metal	aluminium	7429-90-5	2.584	0.17	0.17	1651	1651
wire	non noble metal	aluminium	7429-90-5	2.584	0.17	0.17	1651	1651
encapsulation	organic material	carbon black	1333-86-4	2.313	0.15		1478	
	plastics	epoxy resin	-	67.066	4.29		42852	
	inorganic material	silicondioxide	60676-86-0	508.778	32.51	36.95	325085	369415
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9711	9711
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1055	1055
solder	non noble metal	antimony	7440-36-0	0.351	0.02		224	
	noble metal	silver	7440-22-4	0.876	0.06		560	
	non noble metal	tin	7440-31-5	2.278	0.15	0.23	1456	2240
heatspreader	inorganic material	phosphorus	7723-14-0	0.032	0.00		20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.79	6.80	67863	67951
*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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