

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SPI21N50C3	**Issued**	02. June 2021
MA#	MA001639340		
Package	PG-TO262-3-22	**Weight***	1567.96 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	11.919	0.76	0.76	7602	7602
leadframe	inorganic material	phosphorus	7723-14-0	0.255	0.02		163	
	non noble metal	iron	7439-89-6	0.851	0.05		543	
	non noble metal	copper	7440-50-8	849.682	54.19	54.26	541902	542608
wire	non noble metal	aluminium	7429-90-5	3.271	0.21	0.21	2086	2086
encapsulation	organic material	carbon black	1333-86-4	2.294	0.15		1463	
	plastics	epoxy resin	-	66.531	4.24		42431	
	inorganic material	silicondioxide	60676-86-0	504.717	32.19	36.58	321893	365787
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9693	9693
plating	non noble metal	nickel	7440-02-0	1.651	0.11	0.11	1053	1053
solder	non noble metal	antimony	7440-36-0	0.525	0.03		335	
	noble metal	silver	7440-22-4	1.312	0.08		836	
	non noble metal	tin	7440-31-5	3.410	0.22	0.33	2175	3346
heatspreader	inorganic material	phosphorus	7723-14-0	0.032			20	
	non noble metal	iron	7439-89-6	0.106	0.01		68	
	non noble metal	copper	7440-50-8	106.210	6.77	6.78	67737	67825
*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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