



Material Content Data Sheet



Sales Product Name		SPI20N60C3		Issued		19. July 2018		
MA#		MA001055168						
Package		PG-TO262-3-1		Weight*		1572.43 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	12.312	0.78	0.78	7830	7830
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	54.05	54.12	540361	541065
wire	non noble metal	aluminium	7429-90-5	2.876	0.18	0.18	1829	1829
encapsulation	organic material	carbon black	1333-86-4	5.793	0.37		3684	
	plastics	epoxy resin	-	110.070	7.00		70000	
	inorganic material	silicondioxide	60676-86-0	463.452	29.47	36.84	294736	368420
leadfinish	non noble metal	tin	7440-31-5	15.198	0.97	0.97	9665	9665
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	0.537	0.03		341	
	noble metal	silver	7440-22-4	1.342	0.09		853	
	non noble metal	tin	7440-31-5	3.489	0.22	0.34	2219	3413
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	67545	67633
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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