

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IPC70N04S5L-4R2	**Issued**	9. January 2019
MA#	MA001728514		
Package	PG-TDSON-8-33	**Weight***	111.33 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	0.359	0.32	0.32	3221	3221
leadframe	inorganic material	phosphorus	7723-14-0	0.016	0.01		143	
	non noble metal	iron	7439-89-6	0.053	0.05		475	
	non noble metal	copper	7440-50-8	52.842	47.47	47.53	474629	475247
wire	noble metal	gold	7440-57-5	0.048	0.04	0.04	430	430
encapsulation	organic material	carbon black	1333-86-4	0.077	0.07		692	
	plastics	epoxy resin	-	6.087	5.47		54674	
	inorganic material	silicondioxide	60676-86-0	32.361	29.07	34.61	290672	346038
leadfinish	non noble metal	tin	7440-31-5	1.574	1.41	1.41	14136	14136
plating	noble metal	silver	7440-22-4	0.209	0.19	0.19	1879	1879
solder	non noble metal	tin	7440-31-5	0.011	0.01		98	
	noble metal	silver	7440-22-4	0.014	0.01		123	
	non noble metal	lead	7439-92-1	0.523	0.47	0.49	4701	4922
heatspreader	inorganic material	phosphorus	7723-14-0	0.000	0.00		1	
	non noble metal	iron	7439-89-6	0.000	0.00		3	
	non noble metal	copper	7440-50-8	0.310	0.28	0.28	2780	2784
heat sink CLIP	inorganic material	phosphorus	7723-14-0	0.005	0.00		45	
	non noble metal	iron	7439-89-6	0.017	0.02		151	
	non noble metal	copper	7440-50-8	16.828	15.11	15.13	151147	151343
*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 contains Pb according RoHS exemption 7a, Lead in high melting temperature type solders.

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