



## Material Content Data Sheet



<b>Sales Product Name</b>				IPC70N04S5-4R6		<b>Issued</b>		9. January 2019	
<b>MA#</b>				MA001728516					
<b>Package</b>				PG-TDSON-8-33		<b>Weight*</b>		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		
wire	non noble metal	copper	7440-50-8	52.842	47.47	47.53	474629	475247	
	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		
leadfinish	inorganic material	silicondioxide	60676-86-0	32.361	29.07	34.61	290672	346038	
	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		
heatspreader	non noble metal	lead	7439-92-1	0.523	0.47	0.49	4701	4922	
	inorganic material	phosphorus	7723-14-0	0.000	0.00		1		
heat sink CLIP	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		
*deviation	non noble metal	copper	7440-50-8	16.828	15.11	15.13	151147	151343	
						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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