

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IAUC120N04S6N008	**Issued**	17. May 2021
MA#	MA005419326		
Package	PG-TDSON-8-43	**Weight***	117.29 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	2.155	1.84	1.84	18372	18372
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		128	
	non noble metal	iron	7439-89-6	0.050	0.04		425	
	non noble metal	copper	7440-50-8	49.837	42.50	42.55	424911	425464
wire	noble metal	gold	7440-57-5	0.027	0.02	0.02	233	233
encapsulation	organic material	carbon black	1333-86-4	0.065	0.06		551	
	plastics	epoxy resin	-	5.107	4.35		43541	
	inorganic material	silicondioxide	60676-86-0	27.150	23.15	27.56	231483	275575
leadfinish	non noble metal	tin	7440-31-5	1.283	1.09	1.09	10937	10937
plating	noble metal	silver	7440-22-4	0.209	0.18	0.18	1784	1784
solder	non noble metal	tin	7440-31-5	0.047	0.04		397	
	noble metal	silver	7440-22-4	0.058	0.05		496	
	non noble metal	lead	7439-92-1	2.221	1.89	1.98	18938	19831
heat sink clip	inorganic material	phosphorus	7723-14-0	0.009	0.01		74	
	non noble metal	iron	7439-89-6	0.029	0.02		248	
	non noble metal	copper	7440-50-8	29.026	24.75	24.78	247482	247804
*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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