

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IAUC120N04S6L005	**Issued**	08. April 2022
MA#	MA005711760		
Package	PG-TDSON-8-53	**Weight***	117.72 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	2.205	1.87	1.87	18734	18734
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		120	
	non noble metal	zinc	7440-66-6	0.057	0.05		480	
	non noble metal	iron	7439-89-6	1.131	0.96		9610	
	non noble metal	copper	7440-50-8	45.936	39.03	40.05	390198	400408
wire	noble metal	gold	7440-57-5	0.028	0.02	0.02	235	235
encapsulation	organic material	carbon black	1333-86-4	0.070	0.06		597	
	plastics	epoxy resin	-	5.549	4.71		47138	
	inorganic material	silicondioxide	60676-86-0	29.503	25.06	29.83	250607	298342
leadfinish	non noble metal	tin	7440-31-5	1.574	1.34	1.34	13368	13368
plating	noble metal	silver	7440-22-4	0.128	0.11	0.11	1090	1090
solder	non noble metal	tin	7440-31-5	0.057	0.05		483	
	noble metal	silver	7440-22-4	0.071	0.06		604	
	non noble metal	lead	7439-92-1	2.717	2.31	2.42	23077	24164
heat sink clip	inorganic material	phosphorus	7723-14-0	0.009	0.01		73	
	non noble metal	iron	7439-89-6	0.029	0.02		244	
	non noble metal	copper	7440-50-8	28.647	24.33	24.36	243342	243659
*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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