

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	ISC017N04NM5	**Issued**	24. February 2022
MA#	MA005708672		
Package	PG-TDSON-8-36	**Weight***	115.74 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	1.110	0.96	0.96	9593	9593
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		127	
	non noble metal	iron	7439-89-6	0.049	0.04		422	
	non noble metal	copper	7440-50-8	48.769	42.15	42.20	421355	421904
wire	noble metal	gold	7440-57-5	0.043	0.04	0.04	373	373
encapsulation	organic material	carbon black	1333-86-4	0.083	0.07		717	
	plastics	epoxy resin	-	6.556	5.66		56644	
	inorganic material	silicondioxide	60676-86-0	34.856	30.11	35.84	301146	358507
leadfinish	non noble metal	tin	7440-31-5	1.392	1.20	1.20	12023	12023
plating	noble metal	silver	7440-22-4	0.194	0.17	0.17	1675	1675
solder	non noble metal	tin	7440-31-5	0.030	0.03		257	
	noble metal	silver	7440-22-4	0.037	0.03		322	
	non noble metal	lead	7439-92-1	1.422	1.23	1.29	12285	12864
heat sink clip	inorganic material	phosphorus	7723-14-0	0.005			44	
	non noble metal	iron	7439-89-6	0.017	0.01		148	
	non noble metal	copper	7440-50-8	17.131	14.80	14.81	148012	148204
clip plating	noble metal	silver	7440-22-4	1.059	0.92	0.92	9151	9151
heatspreader	inorganic material	phosphorus	7723-14-0	0.001			8	
	non noble metal	iron	7439-89-6	0.003			26	
	non noble metal	copper	7440-50-8	2.971	2.57	2.57	25672	25706
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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