

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IGI60F1414A1L	**Issued**	22. April 2022
MA#	MA005712308		
Package	PG-TIQFN-28-1	**Weight***	201.02 mg

Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]
chip_1	inorganic material	silicon	7440-21-3	3.097	1.54	1.54	15408	15408
chip_2	inorganic material	silicon	7440-21-3	3.097	1.54	1.54	15408	15408
chip_3	inorganic material	silicon	7440-21-3	1.097	0.55	0.55	5455	5455
chip_4	inorganic material	silicon	7440-21-3	0.564	0.28	0.28	2808	2808
chip_5	inorganic material	silicon	7440-21-3	0.564	0.28	0.28	2808	2808
leadframe	inorganic material	phosphorus	7723-14-0	0.019	0.01		94	
	non noble metal	zinc	7440-66-6	0.075	0.04		375	
	non noble metal	iron	7439-89-6	1.509	0.75		7505	
	non noble metal	copper	7440-50-8	61.260	30.47	31.27	304742	312716
wire	noble metal	gold	7440-57-5	1.222	0.61	0.61	6081	6081
encapsulation	organic material	carbon black	1333-86-4	0.363	0.18		1808	
	plastics	epoxy resin	-	11.750	5.84		58449	
	inorganic material	silicondioxide	60676-86-0	109.017	54.24	60.26	542310	602567
leadfinish	non noble metal	tin	7440-31-5	1.491	0.74	0.74	7419	7419
plating	noble metal	silver	7440-22-4	1.371	0.68	0.68	6821	6821
solder	noble metal	silver	7440-22-4	0.074	0.04		370	
	non noble metal	tin	7440-31-5	0.149	0.07		740	
	non noble metal	lead	7439-92-1	2.751	1.37	1.48	13683	14793
glue	miscellaneous	miscellaneous	-	0.047	0.02		231	
	plastics	epoxy resin	-	0.078	0.04		386	
	noble metal	silver	7440-22-4	0.171	0.08		849	
	plastics	acrylic resin	-	0.574	0.29		2855	
	non noble metal	aluminium	7429-90-5	0.683	0.34	0.77	3395	7716
*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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