

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	IMC301A-F048	**Issued**	15. May 2021
MA#	MA003924496		
Package	PG-LQFP-48-11	**Weight***	186.08 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	2.892	1.55	1.55	15544	15544
chip_2	inorganic material	silicon	7440-21-3	2.892	1.55	1.55	15544	15544
leadframe	inorganic material	phosphorus	7723-14-0	0.017	0.01		92	
	non noble metal	zinc	7440-66-6	0.068	0.04		366	
	non noble metal	iron	7439-89-6	1.363	0.73		7325	
	non noble metal	copper	7440-50-8	55.341	29.74	30.52	297406	305189
wires	noble metal	gold	7440-57-5	0.001			5	
	noble metal	palladium	7440-05-3	0.012	0.01		62	
	non noble metal	copper	7440-50-8	0.451	0.24	0.25	2425	2492
encapsulation	organic material	carbon black	1333-86-4	0.350	0.19		1880	
	plastics	epoxy resin	-	13.641	7.33		73310	
	inorganic material	silicondioxide	60676-86-0	102.602	55.13	62.65	551393	626583
leadfinish	non noble metal	tin	7440-31-5	2.950	1.59	1.59	15852	15852
plating	noble metal	silver	7440-22-4	1.220	0.66	0.66	6555	6555
glue	plastics	epoxy resin	-	0.569	0.31		3060	
	noble metal	silver	7440-22-4	1.708	0.92	1.23	9181	12241
*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.
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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 does not use any exemption.

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