



Material Content Data Sheet



Halogen-Free

Sales Product Name	IM69D120V01	Issued	22. April 2022
MA#	MA005575142		
Package	PG-LLGA-5-4	Weight*	33.77 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	3.365	9.96	9.96	99639	99639
chip_2	inorganic material	silicon	7440-21-3	0.299	0.88	0.88	8850	8850
wire	noble metal	gold	7440-57-5	0.321	0.95	0.95	9512	9512
encapsulation	inorganic material	silicondioxide	60676-86-0	0.281	0.83		8311	
	plastics	silicone resin	-	2.526	7.48	8.31	74798	83109
leadfinish	noble metal	gold	7440-57-5	0.121	0.36		3577	
	non noble metal	nickel	7440-02-0	0.138	0.41	0.77	4079	7656
plating	noble metal	gold	7440-57-5	0.054	0.16		1601	
	non noble metal	nickel	7440-02-0	0.062	0.18	0.34	1826	3427
solder	non noble metal	antimony	7440-36-0	0.015	0.05		458	
	non noble metal	tin	7440-31-5	0.139	0.41	0.46	4125	4583
lid	non noble metal	zinc	7440-66-6	5.866	17.37		173729	
	non noble metal	copper	7440-50-8	10.895	32.28	49.65	322640	496369
glue	organic material	carbon black	1333-86-4	0.000			7	
	inorganic material	silicondioxide	60676-86-0	0.020	0.06		580	
	organic material	oxirane	3101-60-8	0.028	0.08		840	
	organic material	dimethyl siloxane	67762-90-7	0.028	0.08		840	
	plastics	silicone	-	0.030	0.09		881	
	organic material	dicyandiamide	461-58-5	0.142	0.42		4201	
	plastics	epoxy resin	-	0.369	1.09	1.82	10923	18272
solder resists	plastics	epoxy resin	-	0.119	0.35		3517	
	inorganic material	bariumsulfate	7727-43-7	0.182	0.54		5397	
	plastics	acrylic resin	-	0.211	0.62	1.51	6246	15160
substrate metal	non noble metal	copper	7440-50-8	5.213	15.44	15.44	154368	154368
substrate plastic	plastics	bismaleimide triazine resin	-	0.836	2.48		24764	
	inorganic material	aluminiumhydroxide	21645-51-2	0.920	2.72		27240	
	inorganic material	glass fibre	-	1.589	4.71	9.91	47051	99055
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

- 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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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 does not use any exemption.

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