

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	MA12040	**Issued**	03. June 2021
MA#	MA004926358		
Package	PG-VQFN-64-7	**Weight***	207.97 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	6.266	3.01	3.01	30128	30128
leadframe	inorganic material	phosphorus	7723-14-0	0.025	0.01		119	
	non noble metal	zinc	7440-66-6	0.099	0.05		475	
	non noble metal	iron	7439-89-6	1.975	0.95		9496	
	non noble metal	copper	7440-50-8	80.186	38.56	39.57	385572	395662
wires	noble metal	gold	7440-57-5	0.004			20	
	noble metal	palladium	7440-05-3	0.037	0.02		178	
	non noble metal	copper	7440-50-8	1.329	0.64	0.66	6391	6589
encapsulation	organic material	carbon black	1333-86-4	0.565	0.27		2716	
	plastics	epoxy resin	-	17.512	8.42		84206	
	inorganic material	silicondioxide	60676-86-0	94.904	45.63	54.32	456341	543263
leadfinish	non noble metal	tin	7440-31-5	2.832	1.36	1.36	13617	13617
plating	noble metal	silver	7440-22-4	0.760	0.37	0.37	3655	3655
glue	plastics	acrylic resin	-	0.295	0.14		1417	
	noble metal	silver	7440-22-4	1.179	0.57	0.71	5669	7086
*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 does not use any exemption.

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