

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	MA12070P	**Issued**	9. January 2019
MA#	MA003160378		
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	0.00		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.
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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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