

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	MA5332M	**Issued**	08. April 2022
MA#	MA005583814		
Package	PG-IQFN-42-1	**Weight***	139.07 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	1.223	0.88	0.88	8794	8794
chip_2	inorganic material	silicon	7440-21-3	1.223	0.88	0.88	8794	8794
chip_3	inorganic material	silicon	7440-21-3	1.223	0.88	0.88	8794	8794
chip_4	inorganic material	silicon	7440-21-3	1.223	0.88	0.88	8794	8794
chip_5	inorganic material	silicon	7440-21-3	5.101	3.67	3.67	36681	36681
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		129	
	non noble metal	zinc	7440-66-6	0.072	0.05		515	
	non noble metal	iron	7439-89-6	1.434	1.03		10309	
	non noble metal	copper	7440-50-8	58.213	41.85	42.94	418584	429537
wire	noble metal	gold	7440-57-5	0.504	0.36		3624	
	non noble metal	copper	7440-50-8	0.504	0.36	0.72	3625	7249
encapsulation	organic material	carbon black	1333-86-4	0.189	0.14		1361	
	plastics	epoxy resin	-	6.121	4.40		44014	
	inorganic material	silicondioxide	60676-86-0	56.794	40.84	45.38	408380	453755
leadfinish	noble metal	palladium	7440-05-3	0.001			4	
	noble metal	silver	7440-22-4	0.001			4	
	noble metal	gold	7440-57-5	0.001			7	
	non noble metal	nickel	7440-02-0	0.985	0.71	0.71	7079	7094
plating	noble metal	silver	7440-22-4	0.008	0.01		59	
	noble metal	palladium	7440-05-3	0.009	0.01		67	
	noble metal	gold	7440-57-5	0.015	0.01		108	
	non noble metal	nickel	7440-02-0	0.274	0.20	0.23	1968	2202
glue	organic material	Isobornyl methacrylate	7534-94-3	0.394	0.28		2831	
	noble metal	silver	7440-22-4	3.543	2.55	2.83	25475	28306
*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 does not use any exemption.

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