

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC336DA-32F300S AA	**Issued**	27. April 2022
MA#	MA005723499		
Package	PG-LFBGA-180-1	**Weight***	450.16 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	14.294	3.18	3.18	31753	31753
wire	noble metal	palladium	7440-05-3	0.009			21	
	non noble metal	copper	7440-50-8	0.934	0.21	0.21	2076	2097
encapsulation	organic material	carbon black	1333-86-4	0.346	0.08		769	
	plastics	epoxy resin	-	23.899	5.31		53091	
	inorganic material	silicondioxide	60676-86-0	148.939	33.08	38.47	330857	384717
substrate	plastics	epoxy resin	-	2.960	0.66		6575	
	inorganic material	bariumsulfate	7727-43-7	4.542	1.01		10089	
	plastics	acrylic resin	-	5.256	1.17	2.84	11676	28340
plating	noble metal	gold	7440-57-5	0.682	0.15		1514	
	non noble metal	nickel	7440-02-0	1.866	0.41	0.56	4145	5659
solderball	noble metal	silver	7440-22-4	2.719	0.60		6040	
	non noble metal	tin	7440-31-5	74.971	16.65	17.25	166543	172583
glue	plastics	epoxy resin	-	0.653	0.14		1450	
	noble metal	silver	7440-22-4	1.958	0.44	0.58	4350	5800
substrate metal	non noble metal	copper	7440-50-8	24.005	5.33	5.33	53325	53325
substrate plastic	non noble metal	metal hydroxide	-	7.106	1.58		15786	
	inorganic material	amorphous silica	7631-86-9	14.213	3.16		31573	
	plastics	epoxy resin	-	21.319	4.74		47359	
	inorganic material	glass fibre wool	65997-17-3	28.426	6.31		63145	
	non noble metal	copper	7440-50-8	71.064	15.79	31.58	157863	315726
*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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