

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC399XP-256F300S BC	**Issued**	23. June 2021
MA#	MA005545210		
Package	PG-LFBGA-516-10	**Weight***	2072.56 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	47.237	2.28	2.28	22792	22792
wire	noble metal	palladium	7440-05-3	0.031			15	
	non noble metal	copper	7440-50-8	3.051	0.15	0.15	1472	1487
encapsulation	organic material	carbon black	1333-86-4	1.534	0.07		740	
	plastics	epoxy resin	-	105.862	5.11		51078	
	inorganic material	silicondioxide	60676-86-0	659.720	31.83	37.01	318311	370129
substrate	inorganic material	bariumsulfate	7727-43-7	25.494	1.23		12301	
	non noble metal	metal hydroxide	-	27.781	1.34		13404	
	plastics	acrylic resin	-	29.504	1.42		14236	
	inorganic material	amorphous silica	7631-86-9	55.562	2.68		26809	
	plastics	epoxy resin	-	99.958	4.82		48229	
	inorganic material	glass fibre wool	65997-17-3	111.125	5.36		53617	
	non noble metal	copper	7440-50-8	666.147	32.14	48.99	321412	490008
plating	noble metal	gold	7440-57-5	1.992	0.10		961	
	non noble metal	nickel	7440-02-0	5.453	0.26	0.36	2631	3592
solderball	noble metal	silver	7440-22-4	7.877	0.38		3801	
	non noble metal	tin	7440-31-5	217.176	10.48	10.86	104786	108587
glue	plastics	epoxy resin	-	1.764	0.09		851	
	noble metal	silver	7440-22-4	5.292	0.26	0.35	2554	3405
*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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