

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC397XX-256F300S BC	**Issued**	23. January 2020
MA#	MA003286484		
Package	PG-LFBGA-292-10	**Weight***	983.84 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	4.80	4.80	48013	48013
wire	noble metal	palladium	7440-05-3	0.020	0.00		20	
	non noble metal	copper	7440-50-8	1.976	0.20	0.20	2008	2028
encapsulation	organic material	carbon black	1333-86-4	0.661	0.07		672	
	plastics	epoxy resin	-	45.617	4.64		46366	
	inorganic material	silicondioxide	60676-86-0	284.280	28.89	33.60	288949	335987
substrate	inorganic material	bariumsulfate	7727-43-7	9.349	0.95		9503	
	plastics	acrylic resin	-	10.820	1.10		10997	
	non noble metal	metal hydroxide	-	12.990	1.32		13203	
	inorganic material	amorphous silica	7631-86-9	25.979	2.64		26406	
	plastics	epoxy resin	-	45.061	4.58		45802	
	inorganic material	glass fibre wool	65997-17-3	51.958	5.28		52812	
	non noble metal	copper	7440-50-8	310.560	31.56	47.43	315660	474383
plating	noble metal	gold	7440-57-5	1.136	0.12		1155	
	non noble metal	nickel	7440-02-0	3.110	0.32	0.44	3161	4316
solderball	noble metal	silver	7440-22-4	4.411	0.45		4484	
	non noble metal	tin	7440-31-5	121.620	12.36	12.81	123617	128101
glue	plastics	epoxy resin	-	1.764	0.18		1793	
	noble metal	silver	7440-22-4	5.292	0.54	0.72	5379	7172
*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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