

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC397QA-160F300S BD	**Issued**	03. June 2021
MA#	MA005435224		
Package	PG-LFBGA-292-12	**Weight***	988.60 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	4.78	4.78	47782	47782
wire	noble metal	palladium	7440-05-3	0.019			20	
	non noble metal	copper	7440-50-8	1.929	0.20	0.20	1951	1971
encapsulation	organic material	carbon black	1333-86-4	0.661	0.07		669	
	plastics	epoxy resin	-	45.619	4.61		46145	
	inorganic material	silicondioxide	60676-86-0	284.289	28.76	33.44	287568	334382
substrate	inorganic material	bariumsulfate	7727-43-7	10.886	1.10		11012	
	plastics	acrylic resin	-	12.599	1.27		12744	
	non noble metal	metal hydroxide	-	12.981	1.31		13131	
	inorganic material	amorphous silica	7631-86-9	25.963	2.63		26262	
	plastics	epoxy resin	-	46.039	4.66		46570	
	inorganic material	glass fibre wool	65997-17-3	51.926	5.25		52525	
	non noble metal	copper	7440-50-8	309.790	31.34	47.56	313363	475607
plating	noble metal	gold	7440-57-5	1.136	0.11		1149	
	non noble metal	nickel	7440-02-0	3.110	0.31	0.42	3146	4295
solderball	noble metal	silver	7440-22-4	4.457	0.45		4509	
	non noble metal	tin	7440-31-5	122.898	12.43	12.88	124316	128825
glue	plastics	epoxy resin	-	1.764	0.18		1784	
	noble metal	silver	7440-22-4	5.292	0.54	0.72	5354	7138
*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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