

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC377TX-96F300S AB	**Issued**	16. January 2020
MA#	MA005345733		
Package	PG-LFBGA-292-13	**Weight***	879.61 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	24.513	2.79	2.79	27868	27868
wire	noble metal	palladium	7440-05-3	0.015	0.00		17	
	non noble metal	copper	7440-50-8	1.502	0.17	0.17	1708	1725
encapsulation	organic material	carbon black	1333-86-4	0.704	0.08		800	
	plastics	epoxy resin	-	48.568	5.52		55215	
	inorganic material	silicondioxide	60676-86-0	302.669	34.41	40.01	344093	400108
substrate	inorganic material	bariumsulfate	7727-43-7	10.509	1.19		11948	
	plastics	acrylic resin	-	12.162	1.38		13827	
	non noble metal	metal hydroxide	-	14.262	1.62		16214	
	inorganic material	amorphous silica	7631-86-9	28.524	3.24		32428	
	plastics	epoxy resin	-	49.635	5.64		56429	
	inorganic material	glass fibre wool	65997-17-3	57.049	6.49		64857	
	non noble metal	copper	7440-50-8	193.849	22.04	41.60	220380	416083
plating	noble metal	gold	7440-57-5	1.136	0.13		1292	
	non noble metal	nickel	7440-02-0	3.110	0.35	0.48	3536	4828
solderball	noble metal	silver	7440-22-4	4.457	0.51		5068	
	non noble metal	tin	7440-31-5	122.898	13.97	14.48	139719	144787
glue	plastics	epoxy resin	-	1.012	0.12		1150	
	noble metal	silver	7440-22-4	3.035	0.35	0.47	3451	4601
*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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