

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC357TA-64F300S AB	**Issued**	18. August 2021
MA#	MA005568676		
Package	PG-LFBGA-292-13	**Weight***	878.87 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	20.775	2.36	2.36	23638	23638
wire	noble metal	palladium	7440-05-3	0.015			17	
	non noble metal	copper	7440-50-8	1.502	0.17	0.17	1709	1726
encapsulation	organic material	carbon black	1333-86-4	0.711	0.08		809	
	plastics	epoxy resin	-	49.053	5.58		55813	
	inorganic material	silicondioxide	60676-86-0	305.690	34.79	40.45	347822	404444
substrate	plastics	epoxy resin	-	6.849	0.78		7793	
	inorganic material	bariumsulfate	7727-43-7	10.509	1.20		11958	
	plastics	acrylic resin	-	12.162	1.38	3.36	13839	33590
plating	noble metal	gold	7440-57-5	1.136	0.13		1293	
	non noble metal	nickel	7440-02-0	3.110	0.35	0.48	3539	4832
solderball	noble metal	silver	7440-22-4	4.457	0.51		5072	
	non noble metal	tin	7440-31-5	122.898	13.98	14.49	139837	144909
glue	plastics	epoxy resin	-	0.883	0.10		1004	
	noble metal	silver	7440-22-4	2.648	0.30	0.40	3013	4017
substrate metal	non noble metal	copper	7440-50-8	51.227	5.83	5.83	58287	58287
substrate plastic	non noble metal	metal hydroxide	-	14.262	1.62		16228	
	inorganic material	amorphous silica	7631-86-9	28.524	3.25		32456	
	plastics	epoxy resin	-	42.786	4.87		48684	
	inorganic material	glass fibre wool	65997-17-3	57.049	6.49		64911	
	non noble metal	copper	7440-50-8	142.622	16.23	32.46	162278	324557
*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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