

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1791F-512F240EP AB	**Issued**	18. August 2021
MA#	MA004914176		
Package	PG-LFBGA-292-6	**Weight***	936.56 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	31.142	3.33	3.33	33252	33252
wire	noble metal	palladium	7440-05-3	0.014			15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1502	1517
encapsulation	organic material	carbon black	1333-86-4	0.691	0.07		738	
	plastics	epoxy resin	-	47.706	5.09		50938	
	inorganic material	silicondioxide	60676-86-0	297.297	31.75	36.91	317435	369111
substrate	plastics	epoxy resin	-	6.479	0.69		6918	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10615	
	plastics	acrylic resin	-	11.506	1.23		12285	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.69		56874	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.53		65299	
	inorganic material	glass fibre	-	82.857	8.85		88470	
	non noble metal	copper	7440-50-8	196.577	20.99	45.04	209894	450355
plating	noble metal	gold	7440-57-5	1.106	0.12		1181	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3232	4413
solderball	noble metal	silver	7440-22-4	4.457	0.48		4759	
	non noble metal	tin	7440-31-5	122.898	13.12	13.60	131224	135983
glue	plastics	epoxy resin	-	1.257	0.13		1342	
	noble metal	silver	7440-22-4	3.772	0.40	0.53	4027	5369
*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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