

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1784F-320F180EP BA	**Issued**	08. February 2022
MA#	MA003419840		
Package	PG-LFBGA-292-6	**Weight***	934.46 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	20.624	2.21	2.21	22070	22070
wire	noble metal	palladium	7440-05-3	0.014			15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1506	1521
encapsulation	organic material	carbon black	1333-86-4	0.711	0.08		761	
	plastics	epoxy resin	-	49.072	5.25		52514	
	inorganic material	silicondioxide	60676-86-0	305.812	32.74	38.07	327261	380536
substrate	plastics	epoxy resin	-	6.479	0.69		6933	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10639	
	plastics	acrylic resin	-	11.506	1.23		12313	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.70		57001	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.54		65446	
	inorganic material	glass fibre	-	82.857	8.87		88669	
	non noble metal	copper	7440-50-8	196.577	21.04	45.13	210365	451366
plating	noble metal	gold	7440-57-5	1.106	0.12		1184	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3240	4424
solderball	noble metal	silver	7440-22-4	4.457	0.48		4770	
	non noble metal	tin	7440-31-5	122.898	13.15	13.63	131518	136288
glue	plastics	epoxy resin	-	0.887	0.09		949	
	noble metal	silver	7440-22-4	2.660	0.28	0.37	2846	3795
*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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