

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1796-256F150E BE	**Issued**	30. June 2021
MA#	MA001226482		
Package	PG-BGA-416-25	**Weight***	2542.20 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	49.517	1.95	1.95	19478	19478
wire	noble metal	gold	7440-57-5	9.468	0.37	0.37	3724	3724
encapsulation	organic material	carbon black	1333-86-4	2.389	0.09		940	
	plastics	epoxy resin	-	146.950	5.78		57804	
	inorganic material	silicondioxide	60676-86-0	1,045.379	41.13	47.00	411208	469952
substrate	plastics	epoxy resin	-	24.545	0.97		9655	
	inorganic material	bariumsulfate	7727-43-7	37.664	1.48		14816	
	plastics	acrylic resin	-	43.589	1.71		17146	
	plastics	bismaleimide triazine resin	-	146.953	5.78		57805	
	inorganic material	aluminiumhydroxide	21645-51-2	161.648	6.36		63586	
	non noble metal	copper	7440-50-8	222.058	8.73		87348	
	inorganic material	glass fibre	-	279.210	10.98	36.01	109830	360186
plating	noble metal	gold	7440-57-5	0.001			1	
	non noble metal	nickel	7440-02-0	0.002			1	2
solderball	non noble metal	copper	7440-50-8	1.829	0.07		720	
	noble metal	silver	7440-22-4	14.634	0.58		5757	
	non noble metal	tin	7440-31-5	349.395	13.74	14.39	137438	143915
glue	plastics	epoxy resin	-	1.743	0.07		686	
	noble metal	silver	7440-22-4	5.230	0.21	0.28	2057	2743
*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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