

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC387QP-160F300S AE	**Issued**	03. June 2021
MA#	MA005436069		
Package	PG-LFBGA-292-11	**Weight***	860.99 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	26.579	3.09	3.09	30870	30870
wire	noble metal	palladium	7440-05-3	0.017			20	
	non noble metal	copper	7440-50-8	1.711	0.20	0.20	1987	2007
encapsulation	organic material	carbon black	1333-86-4	0.700	0.08		813	
	plastics	epoxy resin	-	48.294	5.61		56091	
	inorganic material	silicondioxide	60676-86-0	300.961	34.94	40.63	349553	406457
substrate	inorganic material	bariumsulfate	7727-43-7	10.803	1.25		12547	
	plastics	acrylic resin	-	12.502	1.45		14520	
	non noble metal	metal hydroxide	-	14.262	1.66		16565	
	inorganic material	amorphous silica	7631-86-9	28.524	3.31		33129	
	plastics	epoxy resin	-	49.826	5.79		57871	
	inorganic material	glass fibre wool	65997-17-3	57.049	6.63		66259	
	non noble metal	copper	7440-50-8	189.158	21.97	42.06	219697	420588
plating	noble metal	gold	7440-57-5	1.136	0.13		1320	
	non noble metal	nickel	7440-02-0	3.110	0.36	0.49	3612	4932
solderball	noble metal	silver	7440-22-4	3.921	0.46		4554	
	non noble metal	tin	7440-31-5	108.111	12.56	13.02	125565	130119
glue	plastics	epoxy resin	-	1.082	0.13		1257	
	noble metal	silver	7440-22-4	3.246	0.38	0.51	3770	5027
*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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