

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC3E7QF-192F300S AA	**Issued**	18. May 2021
MA#	MA005566144		
Package	PG-LFBGA-292-11	**Weight***	861.22 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	27.708	3.22	3.22	32173	32173
wire	noble metal	palladium	7440-05-3	0.017			20	
	non noble metal	copper	7440-50-8	1.711	0.20	0.20	1986	2006
encapsulation	organic material	carbon black	1333-86-4	0.698	0.08		810	
	plastics	epoxy resin	-	48.148	5.59		55907	
	inorganic material	silicondioxide	60676-86-0	300.051	34.85	40.52	348403	405120
substrate	plastics	epoxy resin	-	7.040	0.82		8174	
	inorganic material	bariumsulfate	7727-43-7	10.803	1.25		12544	
	plastics	acrylic resin	-	12.502	1.45	3.52	14517	35235
plating	noble metal	gold	7440-57-5	1.136	0.13		1319	
	non noble metal	nickel	7440-02-0	3.110	0.36	0.49	3611	4930
solderball	noble metal	silver	7440-22-4	3.921	0.46		4553	
	non noble metal	tin	7440-31-5	108.111	12.55	13.01	125533	130086
glue	plastics	epoxy resin	-	1.120	0.13		1301	
	noble metal	silver	7440-22-4	3.360	0.39	0.52	3902	5203
substrate metal	non noble metal	copper	7440-50-8	46.536	5.40	5.40	54036	54036
substrate plastic	non noble metal	metal hydroxide	-	14.262	1.66		16561	
	inorganic material	amorphous silica	7631-86-9	28.524	3.31		33121	
	plastics	epoxy resin	-	42.786	4.97		49682	
	inorganic material	glass fibre wool	65997-17-3	57.049	6.62		66242	
	non noble metal	copper	7440-50-8	142.622	16.56	33.12	165605	331211
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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