



Material Content Data Sheet



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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com