

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC397QA-160F300S BC	**Issued**	21. July 2021
MA#	MA005564940		
Package	PG-LFBGA-292-12	**Weight***	985.69 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	47.237	4.79	4.79	47923	47923
wire	noble metal	palladium	7440-05-3	0.019			20	
	non noble metal	copper	7440-50-8	1.929	0.20	0.20	1957	1977
encapsulation	organic material	carbon black	1333-86-4	0.669	0.07		679	
	plastics	epoxy resin	-	46.191	4.69		46862	
	inorganic material	silicondioxide	60676-86-0	287.859	29.20	33.96	292037	339578
substrate	inorganic material	bariumsulfate	7727-43-7	10.886	1.10		11044	
	plastics	acrylic resin	-	12.599	1.28		12782	
	non noble metal	metal hydroxide	-	12.981	1.32		13170	
	inorganic material	amorphous silica	7631-86-9	25.963	2.63		26340	
	plastics	epoxy resin	-	46.039	4.67		46707	
	inorganic material	glass fibre wool	65997-17-3	51.926	5.27		52679	
	non noble metal	copper	7440-50-8	309.790	31.42	47.69	314288	477010
plating	noble metal	gold	7440-57-5	1.136	0.12		1153	
	non noble metal	nickel	7440-02-0	3.110	0.32	0.44	3155	4308
solderball	noble metal	silver	7440-22-4	4.457	0.45		4522	
	non noble metal	tin	7440-31-5	122.898	12.47	12.92	124682	129204
*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.

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