

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC397QA-160F300S BC	**Issued**	23. June 2021
MA#	MA005542793		
Package	PG-LFBGA-292-12	**Weight***	988.60 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	4.78	4.78	47782	47782
wire	noble metal	palladium	7440-05-3	0.019			20	
	non noble metal	copper	7440-50-8	1.929	0.20	0.20	1951	1971
encapsulation	organic material	carbon black	1333-86-4	0.661	0.07		669	
	plastics	epoxy resin	-	45.619	4.61		46145	
	inorganic material	silicondioxide	60676-86-0	284.289	28.76	33.44	287568	334382
substrate	inorganic material	bariumsulfate	7727-43-7	10.886	1.10		11012	
	plastics	acrylic resin	-	12.599	1.27		12744	
	non noble metal	metal hydroxide	-	12.981	1.31		13131	
	inorganic material	amorphous silica	7631-86-9	25.963	2.63		26262	
	plastics	epoxy resin	-	46.039	4.66		46570	
	inorganic material	glass fibre wool	65997-17-3	51.926	5.25		52525	
	non noble metal	copper	7440-50-8	309.790	31.34	47.56	313363	475607
plating	noble metal	gold	7440-57-5	1.136	0.11		1149	
	non noble metal	nickel	7440-02-0	3.110	0.31	0.42	3146	4295
solderball	noble metal	silver	7440-22-4	4.457	0.45		4509	
	non noble metal	tin	7440-31-5	122.898	12.43	12.88	124316	128825
glue	plastics	epoxy resin	-	1.764	0.18		1784	
	noble metal	silver	7440-22-4	5.292	0.54	0.72	5354	7138
*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