

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC387QP-160F300S AE	**Issued**	11. August 2021
MA#	MA005405444		
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:

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