

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAL-TC389QP-160F300S AD	**Issued**	30. July 2019
MA#	MA004038074		
Package	PG-FBGA-516-1	**Weight***	2092.39 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	1.27	1.27	12703	12703
wire	noble metal	palladium	7440-05-3	0.027	0.00		13	
	non noble metal	copper	7440-50-8	2.629	0.13	0.13	1257	1270
encapsulation	organic material	carbon black	1333-86-4	1.573	0.08		752	
	plastics	epoxy resin	-	108.544	5.19		51875	
	inorganic material	silicondioxide	60676-86-0	676.432	32.33	37.60	323282	375909
substrate	inorganic material	bariumsulfate	7727-43-7	22.732	1.09		10864	
	plastics	acrylic resin	-	26.308	1.26		12573	
	non noble metal	metal hydroxide	-	31.008	1.48		14819	
	inorganic material	amorphous silica	7631-86-9	62.016	2.96		29639	
	plastics	epoxy resin	-	107.838	5.15		51538	
	inorganic material	glass fibre wool	65997-17-3	124.031	5.93		59277	
	non noble metal	copper	7440-50-8	696.056	33.25	51.12	332660	511370
plating	noble metal	gold	7440-57-5	1.985	0.09		949	
	non noble metal	nickel	7440-02-0	5.432	0.26	0.35	2596	3545
solderball	noble metal	silver	7440-22-4	6.821	0.33		3260	
	non noble metal	tin	7440-31-5	188.053	8.99	9.32	89875	93135
glue	plastics	epoxy resin	-	1.082	0.05		517	
	noble metal	silver	7440-22-4	3.246	0.16	0.21	1551	2068
*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 München
Internet	www.infineon.com