



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-TC356TA-64F300S AB	<b>Issued</b>	17. May 2021
<b>MA#</b>	MA005415828		
<b>Package</b>	PG-LFBGA-180-1	<b>Weight*</b>	451.46 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	20.775	4.60	4.60	46017	46017
wire	noble metal	palladium	7440-05-3	0.009			21	
	non noble metal	copper	7440-50-8	0.934	0.21	0.21	2070	2091
encapsulation	organic material	carbon black	1333-86-4	0.334	0.07		740	
	plastics	epoxy resin	-	23.057	5.11		51072	
	inorganic material	silicondioxide	60676-86-0	143.689	31.82	37.00	318278	370090
substrate	inorganic material	bariumsulfate	7727-43-7	4.542	1.01		10060	
	plastics	acrylic resin	-	5.256	1.16		11643	
	non noble metal	metal hydroxide	-	7.106	1.57		15741	
	inorganic material	amorphous silica	7631-86-9	14.213	3.15		31482	
	plastics	epoxy resin	-	24.279	5.38		53779	
	inorganic material	glass fibre wool	65997-17-3	28.426	6.30		62964	
	non noble metal	copper	7440-50-8	95.069	21.06	39.63	210582	396251
plating	noble metal	gold	7440-57-5	0.682	0.15		1510	
	non noble metal	nickel	7440-02-0	1.866	0.41	0.56	4133	5643
solderball	noble metal	silver	7440-22-4	2.719	0.60		6023	
	non noble metal	tin	7440-31-5	74.971	16.61	17.21	166064	172087
glue	plastics	epoxy resin	-	0.883	0.20		1955	
	noble metal	silver	7440-22-4	2.648	0.59	0.79	5866	7821
*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