



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC1793F-512F270EF AB	Issued	12. April 2021
MA#	MA002285160		
Package	PG-BGA-416-24	Weight*	3284.22 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	31.392	0.96	0.96	9558	9558
wire	non noble metal	copper	7440-50-8	0.032			10	10
encapsulation	organic material	carbon black	1333-86-4	2.724	0.08		829	
	plastics	epoxy resin	-	167.516	5.10		51006	
	inorganic material	silicondioxide	60676-86-0	1,191.677	36.28	41.46	362849	414684
substrate	non noble metal	metal hydroxide	-	22.064	0.67		6718	
	inorganic material	bariumsulfate	7727-43-7	24.836	0.76		7562	
	plastics	acrylic resin	-	28.742	0.88		8752	
	inorganic material	amorphous silica	7631-86-9	44.128	1.34		13436	
	plastics	epoxy resin	-	82.377	2.51		25083	
	inorganic material	glass fibre wool	65997-17-3	88.256	2.69		26873	
	non noble metal	copper	7440-50-8	1,270.101	38.67	47.52	386729	475153
plating	noble metal	gold	7440-57-5	2.578	0.08		785	
	non noble metal	nickel	7440-02-0	7.056	0.21	0.29	2149	2934
solderball	non noble metal	copper	7440-50-8	1.578	0.05		481	
	noble metal	silver	7440-22-4	12.627	0.38		3845	
	non noble metal	tin	7440-31-5	301.471	9.18	9.61	91794	96120
glue	plastics	epoxy resin	-	1.266	0.04		385	
	noble metal	silver	7440-22-4	3.797	0.12	0.16	1156	1541
*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