



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC1791F-512F240EP AB	Issued	18. August 2021
MA#	MA004914176		
Package	PG-LFBGA-292-6	Weight*	936.56 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	31.142	3.33	3.33	33252	33252
wire	noble metal	palladium	7440-05-3	0.014			15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1502	1517
encapsulation	organic material	carbon black	1333-86-4	0.691	0.07		738	
	plastics	epoxy resin	-	47.706	5.09		50938	
	inorganic material	silicondioxide	60676-86-0	297.297	31.75	36.91	317435	369111
substrate	plastics	epoxy resin	-	6.479	0.69		6918	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10615	
	plastics	acrylic resin	-	11.506	1.23		12285	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.69		56874	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.53		65299	
	inorganic material	glass fibre	-	82.857	8.85		88470	
	non noble metal	copper	7440-50-8	196.577	20.99	45.04	209894	450355
plating	noble metal	gold	7440-57-5	1.106	0.12		1181	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3232	4413
solderball	noble metal	silver	7440-22-4	4.457	0.48		4759	
	non noble metal	tin	7440-31-5	122.898	13.12	13.60	131224	135983
glue	plastics	epoxy resin	-	1.257	0.13		1342	
	noble metal	silver	7440-22-4	3.772	0.40	0.53	4027	5369
*deviation	< 10%	Sum in total:				100.00		1000000

Important Remarks:

- 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.
- 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.
- 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