

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1791F-512F240EP AB	**Issued**	26. June 2021
MA#	MA005577731		
Package	PG-LFBGA-292-6	**Weight***	936.61 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	3.35	3.35	33517	33517
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	-	47.673	5.09		50900	
	inorganic material	silicondioxide	60676-86-0	297.095	31.71	36.87	317203	368841
substrate	plastics	epoxy resin	-	6.479	0.69		6917	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10615	
	plastics	acrylic resin	-	11.506	1.23		12284	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.69		56871	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.53		65296	
	inorganic material	glass fibre	-	82.857	8.85		88465	
	non noble metal	copper	7440-50-8	196.577	20.99	45.04	209883	450331
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	131217	135976
glue	plastics	epoxy resin	-	1.266	0.14		1351	
	noble metal	silver	7440-22-4	3.797	0.41	0.55	4054	5405
*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.
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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.

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