



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-TC277TC-64F200N DC	Issued	11. August 2021
MA#	MA005411412		
Package	PG-LFBGA-292-6	Weight*	935.04 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	23.511	2.51	2.51	25144	25144
wire	noble metal	palladium	7440-05-3	0.014			15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1505	1520
encapsulation	organic material	carbon black	1333-86-4	0.706	0.08		755	
	plastics	epoxy resin	-	48.697	5.21		52080	
	inorganic material	silicondioxide	60676-86-0	303.473	32.46	37.75	324558	377393
substrate	plastics	epoxy resin	-	6.479	0.69		6929	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10632	
	plastics	acrylic resin	-	11.506	1.23		12305	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.70		56966	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.54		65405	
	inorganic material	glass fibre	-	82.857	8.86		88614	
	non noble metal	copper	7440-50-8	196.577	21.02	45.10	210235	451086
plating	noble metal	gold	7440-57-5	1.106	0.12		1183	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3238	4421
solderball	noble metal	silver	7440-22-4	4.457	0.48		4767	
	non noble metal	tin	7440-31-5	122.898	13.14	13.62	131437	136204
glue	plastics	epoxy resin	-	0.989	0.11		1058	
	noble metal	silver	7440-22-4	2.968	0.32	0.43	3174	4232
*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