



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-TC297TA-128F300N BC	<b>Issued</b>	13. April 2021
<b>MA#</b>	MA004737214		
<b>Package</b>	PG-LFBGA-292-6	<b>Weight*</b>	940.68 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	52.040	5.53	5.53	55322	55322
wire	noble metal	palladium	7440-05-3	0.014			15	
	non noble metal	copper	7440-50-8	1.407	0.15	0.15	1496	1511
encapsulation	organic material	carbon black	1333-86-4	0.652	0.07		693	
	plastics	epoxy resin	-	45.002	4.78		47840	
	inorganic material	silicondioxide	60676-86-0	280.446	29.82	34.67	298131	346664
substrate	plastics	epoxy resin	-	6.479	0.69		6887	
	inorganic material	bariumsulfate	7727-43-7	9.942	1.06		10569	
	plastics	acrylic resin	-	11.506	1.22		12231	
	inorganic material	aluminiumhydroxide	21645-51-2	53.265	5.66		56625	
	plastics	epoxy bismaleimide triazine resin	-	61.156	6.50		65013	
	inorganic material	glass fibre	-	82.857	8.81		88083	
	non noble metal	copper	7440-50-8	196.577	20.90	44.84	208974	448382
plating	noble metal	gold	7440-57-5	1.106	0.12		1176	
	non noble metal	nickel	7440-02-0	3.027	0.32	0.44	3218	4394
solderball	noble metal	silver	7440-22-4	4.457	0.47		4739	
	non noble metal	tin	7440-31-5	122.898	13.06	13.53	130649	135388
glue	plastics	epoxy resin	-	1.961	0.21		2085	
	noble metal	silver	7440-22-4	5.883	0.63	0.84	6254	8339
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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