



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC277T-64F200S DC		<b>Issued</b>		13. August 2019	
<b>MA#</b>				MA003975678					
<b>Package</b>				PG-LFBGA-292-6		<b>Weight*</b>		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	0.00		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:

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