

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC375TP-96F300W AA	**Issued**	27. April 2022
MA#	MA005735498		
Package	PG-LQFP-176-22	**Weight***	1963.32 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	45.559	2.32	2.32	23205	23205
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.01		69	
	non noble metal	zinc	7440-66-6	0.543	0.03		277	
	non noble metal	iron	7439-89-6	10.869	0.55		5536	
	non noble metal	copper	7440-50-8	441.312	22.48	23.07	224778	230660
wires	noble metal	palladium	7440-05-3	0.123	0.01		62	
	non noble metal	copper	7440-50-8	4.778	0.24	0.25	2434	2496
encapsulation	organic material	carbon black	1333-86-4	4.317	0.22		2199	
	plastics	epoxy resin	-	182.769	9.31		93092	
	inorganic material	silicondioxide	60676-86-0	1,252.041	63.76	73.29	637717	733008
leadfinish	noble metal	palladium	7440-05-3	0.004			2	
	noble metal	silver	7440-22-4	0.004			2	
	noble metal	gold	7440-57-5	0.007			4	
	non noble metal	nickel	7440-02-0	7.048	0.36	0.36	3590	3598
plating	noble metal	silver	7440-22-4	0.129	0.01		65	
	noble metal	palladium	7440-05-3	0.147	0.01		75	
	noble metal	gold	7440-57-5	0.236	0.01		120	
	non noble metal	nickel	7440-02-0	4.310	0.22	0.25	2195	2455
glue	plastics	epoxy resin	-	1.978	0.10		1007	
	noble metal	silver	7440-22-4	7.011	0.36	0.46	3571	4578
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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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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