

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC265D-40F200N BC	**Issued**	13. August 2019
MA#	MA005354498		
Package	PG-LQFP-176-22	**Weight***	1981.74 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	44.943	2.27	2.27	22679	22679
leadframe	inorganic material	phosphorus	7723-14-0	0.136	0.01		69	
	non noble metal	zinc	7440-66-6	0.543	0.03		274	
	non noble metal	iron	7439-89-6	10.869	0.55		5484	
	non noble metal	copper	7440-50-8	441.312	22.27	22.86	222689	228516
wires	noble metal	gold	7440-57-5	0.003	0.00		2	
	noble metal	palladium	7440-05-3	0.070	0.00		35	
	non noble metal	copper	7440-50-8	3.087	0.16	0.16	1558	1595
encapsulation	organic material	carbon black	1333-86-4	4.303	0.22		2171	
	plastics	epoxy resin	-	182.151	9.19		91915	
	inorganic material	silicondioxide	60676-86-0	1247.803	62.95	72.36	629652	723738
leadfinish	noble metal	palladium	7440-05-3	0.004	0.00		2	
	noble metal	silver	7440-22-4	0.004	0.00		2	
	noble metal	gold	7440-57-5	0.007	0.00		4	
	non noble metal	nickel	7440-02-0	7.048	0.36	0.36	3556	3564
plating	noble metal	silver	7440-22-4	0.016	0.00		8	
	noble metal	palladium	7440-05-3	0.019	0.00		9	
	noble metal	gold	7440-57-5	0.030	0.00		15	
	non noble metal	nickel	7440-02-0	30.469	1.54	1.54	15375	15407
glue	plastics	epoxy resin	-	1.963	0.10		990	
	noble metal	silver	7440-22-4	6.959	0.35	0.45	3511	4501
*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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