

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-C164CI-8EM CB	**Issued**	1. August 2018
MA#	MA001622350		
Package	PG-MQFP-80-10	**Weight***	1008.11 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	43.021	4.27	4.27	42675	42675
leadframe	inorganic material	phosphorus	7723-14-0	0.078	0.01		78	
	non noble metal	zinc	7440-66-6	0.313	0.03		311	
	non noble metal	iron	7439-89-6	6.269	0.62		6218	
	non noble metal	copper	7440-50-8	254.541	25.25	25.91	252493	259100
wire	noble metal	gold	7440-57-5	1.554	0.15	0.15	1541	1541
encapsulation	organic material	carbon black	1333-86-4	2.004	0.20		1988	
	plastics	epoxy resin	-	84.855	8.42		84173	
	inorganic material	silicondioxide	60676-86-0	581.293	57.67	66.29	576616	662777
leadfinish	noble metal	silver	7440-22-4	0.002	0.00		2	
	noble metal	palladium	7440-05-3	0.003	0.00		3	
	noble metal	gold	7440-57-5	0.004	0.00		4	
	non noble metal	nickel	7440-02-0	4.098	0.41	0.41	4065	4074
plating	noble metal	silver	7440-22-4	0.012	0.00		12	
	noble metal	palladium	7440-05-3	0.014	0.00		14	
	noble metal	gold	7440-57-5	0.023	0.00		22	
	non noble metal	nickel	7440-02-0	22.727	2.25	2.25	22544	22592
glue	plastics	epoxy resin	-	1.825	0.18		1810	
	noble metal	silver	7440-22-4	5.475	0.54	0.72	5431	7241
*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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