



Material Content Data Sheet



Halogen-Free

Sales Product Name	SAK-C505CA-4EM CA	Issued	25. June 2021
MA#	MA005560618		
Package	PG-MQFP-44-2	Weight*	507.93 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	25.509	5.02	5.02	50221	50221
leadframe	non noble metal	magnesium	7439-95-4	0.199	0.04		391	
	inorganic material	silicon	7440-21-3	0.860	0.17		1694	
	non noble metal	nickel	7440-02-0	3.971	0.78		7819	
	non noble metal	copper	7440-50-8	127.353	25.07	26.06	250727	260631
wire	noble metal	gold	7440-57-5	1.548	0.30	0.30	3047	3047
encapsulation	organic material	carbon black	1333-86-4	1.002	0.20		1972	
	plastics	epoxy resin	-	42.401	8.35		83478	
	inorganic material	silicondioxide	60676-86-0	290.465	57.20	65.75	571856	657306
leadfinish	non noble metal	tin	7440-31-5	5.710	1.12	1.12	11242	11242
plating	noble metal	silver	7440-22-4	3.751	0.74	0.74	7385	7385
glue	plastics	acrylic resin	-	1.033	0.20		2034	
	noble metal	silver	7440-22-4	4.132	0.81	1.01	8134	10168
*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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