



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	SAK-XC164CS-32F20F BB-A	<b>Issued</b>	26. June 2021
<b>MA#</b>	MA005579076		
<b>Package</b>	PG-TQFP-100-5	<b>Weight*</b>	696.96 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	33.010	4.74	4.74	47363	47363
leadframe	non noble metal	magnesium	7439-95-4	0.274	0.04		393	
	inorganic material	silicon	7440-21-3	1.186	0.17		1702	
	non noble metal	nickel	7440-02-0	5.475	0.79		7856	
	non noble metal	copper	7440-50-8	175.570	25.19	26.19	251909	261860
wire	noble metal	gold	7440-57-5	2.953	0.42	0.42	4237	4237
encapsulation	organic material	carbon black	1333-86-4	2.305	0.33		3307	
	plastics	epoxy resin	-	62.226	8.93		89282	
	inorganic material	silicondioxide	60676-86-0	396.401	56.87	66.13	568760	661349
leadfinish	non noble metal	tin	7440-31-5	6.201	0.89	0.89	8897	8897
plating	noble metal	silver	7440-22-4	5.282	0.76	0.76	7579	7579
glue	plastics	epoxy resin	-	1.215	0.17		1743	
	noble metal	silver	7440-22-4	4.859	0.70	0.87	6972	8715
*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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