



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC4104-F64K64 BA	<b>Issued</b>	22. April 2022
<b>MA#</b>	MA001414710		
<b>Package</b>	PG-TQFP-64-19	<b>Weight*</b>	382.34 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	17.911	4.68	4.68	46845	46845
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		443	
	inorganic material	silicon	7440-21-3	0.734	0.19		1919	
	non noble metal	nickel	7440-02-0	3.387	0.89		8859	
	non noble metal	copper	7440-50-8	108.609	28.41	29.53	284064	295285
wires	noble metal	gold	7440-57-5	0.001			3	
	noble metal	palladium	7440-05-3	0.026	0.01		67	
	non noble metal	copper	7440-50-8	1.137	0.30	0.31	2973	3043
encapsulation	organic material	carbon black	1333-86-4	0.715	0.19		1871	
	plastics	epoxy resin	-	27.894	7.30		72955	
	inorganic material	silicondioxide	60676-86-0	209.798	54.86	62.35	548724	623550
leadfinish	non noble metal	tin	7440-31-5	6.741	1.76	1.76	17631	17631
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357
glue	plastics	epoxy resin	-	1.034	0.27		2704	
	noble metal	silver	7440-22-4	3.665	0.96	1.23	9585	12289
*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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