



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC4400-F64F512 BA	<b>Issued</b>	02. April 2021
<b>MA#</b>	MA001604076		
<b>Package</b>	PG-TQFP-64-19	<b>Weight*</b>	383.64 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	24.887	6.49	6.49	64873	64873
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		441	
	inorganic material	silicon	7440-21-3	0.734	0.19		1913	
	non noble metal	nickel	7440-02-0	3.387	0.88		8829	
	non noble metal	copper	7440-50-8	108.609	28.31	29.42	283104	294287
wires	noble metal	gold	7440-57-5	0.001			3	
	noble metal	palladium	7440-05-3	0.022	0.01		58	
	non noble metal	copper	7440-50-8	0.989	0.26	0.27	2578	2639
encapsulation	organic material	carbon black	1333-86-4	0.696	0.18		1813	
	plastics	epoxy resin	-	27.131	7.07		70721	
	inorganic material	silicondioxide	60676-86-0	204.061	53.18	60.43	531916	604450
leadfinish	non noble metal	tin	7440-31-5	6.741	1.76	1.76	17572	17572
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1352	1352
glue	plastics	epoxy resin	-	1.251	0.33		3262	
	noble metal	silver	7440-22-4	4.437	1.16	1.49	11565	14827
*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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