



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC4400-F100F512 BA	<b>Issued</b>	02. April 2021
<b>MA#</b>	MA001606910		
<b>Package</b>	PG-LQFP-100-25	<b>Weight*</b>	668.71 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	27.653	4.14	4.14	41353	41353
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		341	
	inorganic material	silicon	7440-21-3	0.988	0.15		1477	
	non noble metal	nickel	7440-02-0	4.559	0.68		6818	
	non noble metal	copper	7440-50-8	146.196	21.86	22.72	218625	227261
wires	noble metal	gold	7440-57-5	0.002			3	
	noble metal	palladium	7440-05-3	0.043	0.01		65	
	non noble metal	copper	7440-50-8	1.919	0.29	0.30	2869	2937
encapsulation	organic material	carbon black	1333-86-4	1.416	0.21		2118	
	plastics	epoxy resin	-	55.242	8.26		82609	
	inorganic material	silicondioxide	60676-86-0	415.492	62.14	70.61	621336	706063
leadfinish	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10537	10537
plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1814	1814
glue	plastics	epoxy resin	-	1.476	0.22		2208	
	noble metal	silver	7440-22-4	5.234	0.78	1.00	7827	10035
*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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