



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC4700-F100K2048 AA	<b>Issued</b>	22. April 2022
<b>MA#</b>	MA001493682		
<b>Package</b>	PG-LQFP-100-25	<b>Weight*</b>	670.81 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	40.070	5.97	5.97	59734	59734
leadframe	non noble metal	magnesium	7439-95-4	0.228	0.03		340	
	inorganic material	silicon	7440-21-3	0.988	0.15		1473	
	non noble metal	nickel	7440-02-0	4.559	0.68		6796	
	non noble metal	copper	7440-50-8	146.196	21.79	22.65	217940	226549
wires	noble metal	gold	7440-57-5	0.002			2	
	noble metal	palladium	7440-05-3	0.033			50	
	non noble metal	copper	7440-50-8	1.482	0.22	0.22	2209	2261
encapsulation	organic material	carbon black	1333-86-4	1.382	0.21		2060	
	plastics	epoxy resin	-	53.898	8.03		80348	
	inorganic material	silicondioxide	60676-86-0	405.385	60.45	68.69	604323	686731
leadfinish	non noble metal	tin	7440-31-5	7.046	1.05	1.05	10504	10504
plating	noble metal	silver	7440-22-4	1.213	0.18	0.18	1808	1808
glue	plastics	epoxy resin	-	1.832	0.27		2731	
	noble metal	silver	7440-22-4	6.495	0.97	1.24	9682	12413
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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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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