

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4800-F100F2048 AA	**Issued**	22. April 2022
MA#	MA001499998		
Package	PG-LQFP-100-25	**Weight***	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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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