



Material Content Data Sheet



Halogen-Free

Sales Product Name	XMC4800-F144F2048 AA	Issued	17. February 2022
MA#	MA001500058		
Package	PG-LQFP-144-24	Weight*	1384.33 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	2.89	2.89	28946	28946
leadframe	non noble metal	magnesium	7439-95-4	0.450	0.03		325	
	inorganic material	silicon	7440-21-3	1.949	0.14		1408	
	non noble metal	nickel	7440-02-0	8.994	0.65		6497	
	non noble metal	copper	7440-50-8	288.415	20.83	21.65	208343	216573
wires	noble metal	palladium	7440-05-3	0.020			15	
	non noble metal	copper	7440-50-8	1.992	0.14	0.14	1439	1454
encapsulation	organic material	carbon black	1333-86-4	3.061	0.22		2211	
	plastics	epoxy resin	-	119.371	8.62		86231	
	inorganic material	silicondioxide	60676-86-0	897.835	64.88	73.72	648571	737013
leadfinish	non noble metal	tin	7440-31-5	12.315	0.89	0.89	8896	8896
plating	noble metal	silver	7440-22-4	1.526	0.11	0.11	1103	1103
glue	plastics	epoxy resin	-	1.832	0.13		1323	
	noble metal	silver	7440-22-4	6.495	0.47	0.60	4692	6015
*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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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.

Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com