



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC4500-F144F768 AC	<b>Issued</b>	02. April 2021
<b>MA#</b>	MA001620516		
<b>Package</b>	PG-LQFP-144-24	<b>Weight*</b>	1383.81 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	36.527	2.64	2.64	26396	26396
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		6500	
	non noble metal	copper	7440-50-8	288.415	20.84	21.66	208420	216653
wires	noble metal	gold	7440-57-5	0.002			2	
	noble metal	palladium	7440-05-3	0.049			36	
	non noble metal	copper	7440-50-8	2.185	0.16	0.16	1579	1617
encapsulation	organic material	carbon black	1333-86-4	3.071	0.22		2219	
	plastics	epoxy resin	-	119.751	8.65		86537	
	inorganic material	silicondioxide	60676-86-0	900.691	65.10	73.97	650877	739633
leadfinish	non noble metal	tin	7440-31-5	12.315	0.89	0.89	8899	8899
plating	noble metal	silver	7440-22-4	1.526	0.11	0.11	1103	1103
glue	plastics	epoxy resin	-	1.735	0.13		1254	
	noble metal	silver	7440-22-4	6.150	0.44	0.57	4445	5699
*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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