

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4500-F144K1024 AC	**Issued**	02. April 2021
MA#	MA001620508		
Package	PG-LQFP-144-24	**Weight***	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.
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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