



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC4500-F144K1024 AC		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001332560						
<b>Package</b>		PG-LQFP-144-24		<b>Weight*</b>		1383.96 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	26393	26393
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		6499	
wire	non noble metal	copper	7440-50-8	288.415	20.84	21.66	208397	216629
	noble metal	gold	7440-57-5	0.002	0.00		2	
	noble metal	palladium	7440-05-3	0.049	0.00		36	
encapsulation	non noble metal	copper	7440-50-8	2.185	0.16	0.16	1579	1617
	organic material	carbon black	1333-86-4	3.071	0.22		2219	
	plastics	epoxy resin	-	119.751	8.65		86527	
leadfinish	inorganic material	silicondioxide	60676-86-0	900.691	65.09	73.96	650805	739551
	non noble metal	tin	7440-31-5	12.469	0.90	0.90	9010	9010
	noble metal	silver	7440-22-4	1.526	0.11	0.11	1103	1103
plating	noble metal	silver	7440-22-4	1.526	0.11	0.11	1103	1103
glue	plastics	epoxy resin	-	1.735	0.13		1253	
	noble metal	silver	7440-22-4	6.150	0.44	0.57	4444	5697
*deviation	< 10%				Sum in total:		100.00	1000000

### Important Remarks:

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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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