



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC4800-F144K1024 AA		<b>Issued</b>		23. January 2018		
<b>MA#</b>		MA001500056						
<b>Package</b>		PG-LQFP-144-24		<b>Weight*</b>		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	
wire	non noble metal	copper	7440-50-8	288.415	20.83	21.65	208342	216572
	noble metal	gold	7440-57-5	0.002	0.00		1	
	noble metal	palladium	7440-05-3	0.044	0.00		32	
encapsulation	non noble metal	copper	7440-50-8	1.975	0.14	0.14	1427	1460
	organic material	carbon black	1333-86-4	3.061	0.22		2211	
	plastics	epoxy resin	-	119.371	8.62		86230	
leadfinish	inorganic material	silicondioxide	60676-86-0	897.835	64.88	73.72	648567	737008
	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
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:

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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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