



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC1100-T016X0016 AB		<b>Issued</b>		24. January 2018		
<b>MA#</b>		MA001603990						
<b>Package</b>		PG-TSSOP-16-8		<b>Weight*</b>		61.82 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	1.226	1.98	1.98	19827	19827
leadframe	inorganic material	phosphorus	7723-14-0	0.007	0.01		109	
	non noble metal	zinc	7440-66-6	0.027	0.04		434	
	non noble metal	iron	7439-89-6	0.537	0.87		8689	
wire	non noble metal	copper	7440-50-8	21.811	35.28	36.20	352813	362045
	noble metal	palladium	7440-05-3	0.001	0.00		21	
	non noble metal	copper	7440-50-8	0.130	0.21	0.21	2104	2125
encapsulation	organic material	carbon black	1333-86-4	0.108	0.18		1755	
	plastics	epoxy resin	-	4.231	6.84		68447	
	inorganic material	silicondioxide	60676-86-0	31.825	51.49	58.51	514813	585015
leadfinish	non noble metal	tin	7440-31-5	0.915	1.48	1.48	14798	14798
plating	noble metal	silver	7440-22-4	0.558	0.90	0.90	9021	9021
glue	plastics	epoxy resin	-	0.111	0.18		1792	
	noble metal	silver	7440-22-4	0.332	0.54	0.72	5377	7169
*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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