



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC1302-T038X0064 AB		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001671902						
<b>Package</b>		PG-TSSOP-38-9		<b>Weight*</b>		118.37 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	1.04	1.04	10355	10355
leadframe	inorganic material	phosphorus	7723-14-0	0.015	0.01		127	
	non noble metal	zinc	7440-66-6	0.060	0.05		506	
	non noble metal	iron	7439-89-6	1.199	1.01		10129	
wire	non noble metal	copper	7440-50-8	48.679	41.13	42.20	411264	422026
	noble metal	palladium	7440-05-3	0.003	0.00		27	
	non noble metal	copper	7440-50-8	0.311	0.26	0.26	2630	2657
encapsulation	organic material	carbon black	1333-86-4	0.192	0.16		1620	
	plastics	epoxy resin	-	7.479	6.32		63182	
	inorganic material	silicondioxide	60676-86-0	56.249	47.53	54.01	475212	540014
leadfinish	non noble metal	tin	7440-31-5	2.173	1.84	1.84	18355	18355
plating	noble metal	silver	7440-22-4	0.337	0.28	0.28	2849	2849
glue	plastics	epoxy resin	-	0.111	0.09		936	
	noble metal	silver	7440-22-4	0.332	0.28	0.37	2808	3744
*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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