



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC1402-T038X0200 AA		<b>Issued</b>		22. January 2018		
<b>MA#</b>		MA001674922						
<b>Package</b>		PG-TSSOP-38-9		<b>Weight*</b>		118.41 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	1.446	1.22	1.22	12214	12214
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		10125	
wire	non noble metal	copper	7440-50-8	48.679	41.11	42.18	411114	421872
	noble metal	palladium	7440-05-3	0.003	0.00		25	
encapsulation	non noble metal	copper	7440-50-8	0.293	0.25	0.25	2473	2498
	organic material	carbon black	1333-86-4	0.191	0.16		1614	
	plastics	epoxy resin	-	7.453	6.29		62946	
leadfinish	inorganic material	silicondioxide	60676-86-0	56.060	47.36	53.81	473443	538003
	non noble metal	tin	7440-31-5	2.173	1.83	1.83	18348	18348
plating	noble metal	silver	7440-22-4	0.337	0.28	0.28	2848	2848
glue	plastics	epoxy resin	-	0.125	0.11		1054	
	noble metal	silver	7440-22-4	0.375	0.32	0.43	3163	4217
*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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