



## Material Content Data Sheet



<b>Sales Product Name</b>		XMC1202-T028X0032 AB		<b>Issued</b>		31. July 2018		
<b>MA#</b>		MA001342892						
<b>Package</b>		PG-TSSOP-28-16		<b>Weight*</b>		105.96 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	1.226	1.16	1.16	11567	11567
leadframe	inorganic material	phosphorus	7723-14-0	0.010	0.01		96	
	non noble metal	zinc	7440-66-6	0.041	0.04		385	
	non noble metal	iron	7439-89-6	0.815	0.77		7694	
wires	non noble metal	copper	7440-50-8	33.103	31.24	32.06	312397	320572
	noble metal	palladium	7440-05-3	0.002	0.00		18	
	non noble metal	copper	7440-50-8	0.189	0.18	0.18	1782	1800
encapsulation	organic material	carbon black	1333-86-4	0.203	0.19		1914	
	plastics	epoxy resin	-	7.908	7.46		74634	
	inorganic material	silicondioxide	60676-86-0	59.483	56.14	63.79	561348	637896
leadfinish	non noble metal	tin	7440-31-5	1.539	1.45	1.45	14528	14528
plating	noble metal	silver	7440-22-4	1.002	0.95	0.95	9454	9454
glue	plastics	epoxy resin	-	0.111	0.10		1046	
	noble metal	silver	7440-22-4	0.332	0.31	0.41	3137	4183
*deviation	< 10%				Sum in total:	100.00		1000000

### Important Remarks:

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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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