



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** XMC1402-T038X0200 AA

**Issued**

11. May 2021

**MA#** MA001674922

**Package** PG-TSSOP-38-9

**Weight\***

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	
	non noble metal	copper	7440-50-8	48.679	41.11	42.18	411106	421864
wires	noble metal	palladium	7440-05-3	0.003			25	
	non noble metal	copper	7440-50-8	0.295	0.25	0.25	2493	2518
encapsulation	organic material	carbon black	1333-86-4	0.191	0.16		1614	
	plastics	epoxy resin	-	7.453	6.29		62945	
	inorganic material	silicondioxide	60676-86-0	56.060	47.36	53.81	473432	537991
leadfinish	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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