



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XMC1402-Q064X0128 AA	<b>Issued</b>	02. April 2021
<b>MA#</b>	MA001507640		
<b>Package</b>	PG-VQFN-64-6	<b>Weight*</b>	159.83 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	1.928	1.21	1.21	12065	12065
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		110	
	non noble metal	zinc	7440-66-6	0.070	0.04		441	
	non noble metal	iron	7439-89-6	1.408	0.88		8812	
	non noble metal	copper	7440-50-8	57.187	35.78	36.71	357799	367162
wires	noble metal	palladium	7440-05-3	0.005			32	
	non noble metal	copper	7440-50-8	0.509	0.32	0.32	3187	3219
encapsulation	organic material	carbon black	1333-86-4	0.287	0.18		1798	
	plastics	epoxy resin	-	15.043	9.41		94120	
	inorganic material	silicondioxide	60676-86-0	80.487	50.38	59.97	503572	599490
leadfinish	noble metal	silver	7440-22-4	0.000			2	
	noble metal	palladium	7440-05-3	0.000			3	
	noble metal	gold	7440-57-5	0.001			5	
	non noble metal	nickel	7440-02-0	0.724	0.45	0.45	4530	4540
plating	noble metal	palladium	7440-05-3	0.001			5	
	noble metal	silver	7440-22-4	0.001			5	
	noble metal	gold	7440-57-5	0.001			8	
	non noble metal	nickel	7440-02-0	1.351	0.84	0.84	8450	8468
glue	plastics	epoxy resin	-	0.129	0.08		809	
	noble metal	silver	7440-22-4	0.679	0.42	0.50	4247	5056
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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