



Material Content Data Sheet



Sales Product Name				XMC1402-Q064X0200 AA		Issued		2. August 2018	
MA#				MA001507638					
Package				PG-VQFN-64-6		Weight*		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		
wire	non noble metal	copper	7440-50-8	57.187	35.78	36.71	357807	367170	
	noble metal	palladium	7440-05-3	0.005	0.00		32		
encapsulation	non noble metal	copper	7440-50-8	0.505	0.32	0.32	3163	3195	
	organic material	carbon black	1333-86-4	0.287	0.18		1799		
	plastics	epoxy resin	-	15.043	9.41		94122		
leadfinish	inorganic material	silicondioxide	60676-86-0	80.487	50.37	59.96	503584	599505	
	noble metal	palladium	7440-05-3	0.000	0.00		3		
	noble metal	silver	7440-22-4	0.000	0.00		2		
	noble metal	gold	7440-57-5	0.001	0.00		4		
plating	non noble metal	nickel	7440-02-0	0.724	0.45	0.45	4531	4540	
	noble metal	silver	7440-22-4	0.001	0.00		5		
	noble metal	gold	7440-57-5	0.001	0.00		8		
	noble metal	palladium	7440-05-3	0.001	0.00		5		
glue	non noble metal	nickel	7440-02-0	1.351	0.85	0.85	8451	8469	
	plastics	epoxy resin	-	0.129	0.08		809		
*deviation	< 10%			0.679	0.42	0.50	4247	5056	
						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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