



Material Content Data Sheet



Sales Product Name				XMC1202-Q024X0016 AB		Issued		23. January 2018	
MA#				MA001687242					
Package				PG-VQFN-24-19		Weight*		42.44 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	1.634	3.85	3.85	38505	38505	
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		125		
	non noble metal	zinc	7440-66-6	0.021	0.05		499		
	non noble metal	iron	7439-89-6	0.423	1.00		9972		
wire	non noble metal	copper	7440-50-8	17.185	40.49	41.55	404887	415483	
	noble metal	palladium	7440-05-3	0.001	0.00		34		
	non noble metal	copper	7440-50-8	0.141	0.33	0.33	3320	3354	
encapsulation	organic material	carbon black	1333-86-4	0.065	0.15		1540		
	plastics	epoxy resin	-	3.422	8.06		80616		
	inorganic material	silicondioxide	60676-86-0	18.307	43.15	51.36	431321	513477	
leadfinish	noble metal	palladium	7440-05-3	0.000	0.00		4		
	noble metal	silver	7440-22-4	0.000	0.00		4		
	noble metal	gold	7440-57-5	0.000	0.00		6		
	non noble metal	nickel	7440-02-0	0.277	0.65	0.65	6534	6548	
plating	noble metal	silver	7440-22-4	0.000	0.00		4		
	noble metal	gold	7440-57-5	0.000	0.00		8		
	noble metal	palladium	7440-05-3	0.000	0.00		5		
	non noble metal	nickel	7440-02-0	0.347	0.82	0.82	8184	8201	
glue	plastics	bismaleimide resin	-	0.123	0.29		2886		
	noble metal	silver	7440-22-4	0.490	1.15	1.44	11546	14432	
*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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