



Material Content Data Sheet



Sales Product Name		XMC4104-F64F64 BA		Issued		25. January 2018		
MA#		MA001414708						
Package		PG-TQFP-64-19		Weight*		382.43 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	17.911	4.68	4.68	46834	46834
leadframe	non noble metal	magnesium	7439-95-4	0.169	0.04		443	
	inorganic material	silicon	7440-21-3	0.734	0.19		1919	
	non noble metal	nickel	7440-02-0	3.387	0.89		8856	
wire	non noble metal	copper	7440-50-8	108.609	28.40	29.52	283998	295216
	noble metal	gold	7440-57-5	0.001	0.00		3	
	noble metal	palladium	7440-05-3	0.026	0.01		67	
encapsulation	non noble metal	copper	7440-50-8	1.142	0.30	0.31	2986	3056
	organic material	carbon black	1333-86-4	0.715	0.19		1870	
	plastics	epoxy resin	-	27.894	7.29		72938	
leadfinish	inorganic material	silicondioxide	60676-86-0	209.798	54.86	62.34	548595	623403
	non noble metal	tin	7440-31-5	6.825	1.78	1.78	17848	17848
	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357
plating	noble metal	silver	7440-22-4	0.519	0.14	0.14	1357	1357
glue	plastics	epoxy resin	-	1.034	0.27		2703	
	noble metal	silver	7440-22-4	3.665	0.96	1.23	9583	12286
*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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