



Material Content Data Sheet



Sales Product Name		XMC1301-T016F0016 AB		Issued		1. August 2018		
MA#		MA001681134						
Package		PG-TSSOP-16-8		Weight*		61.82 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	1.226	1.98	1.98	19827	19827
leadframe	inorganic material	phosphorus	7723-14-0	0.007	0.01		109	
	non noble metal	zinc	7440-66-6	0.027	0.04		434	
	non noble metal	iron	7439-89-6	0.537	0.87		8689	
wire	non noble metal	copper	7440-50-8	21.811	35.28	36.20	352813	362045
	noble metal	palladium	7440-05-3	0.001	0.00		21	
	non noble metal	copper	7440-50-8	0.130	0.21	0.21	2104	2125
encapsulation	organic material	carbon black	1333-86-4	0.108	0.18		1755	
	plastics	epoxy resin	-	4.231	6.84		68447	
	inorganic material	silicondioxide	60676-86-0	31.825	51.49	58.51	514813	585015
leadfinish	non noble metal	tin	7440-31-5	0.915	1.48	1.48	14798	14798
plating	noble metal	silver	7440-22-4	0.558	0.90	0.90	9021	9021
glue	plastics	epoxy resin	-	0.111	0.18		1792	
	noble metal	silver	7440-22-4	0.332	0.54	0.72	5377	7169
*deviation	< 10%				Sum in total:		100.00	1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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