



Material Content Data Sheet



Sales Product Name		SAF-XC164CS-16F40F BB		Issued		29. August 2013			
MA#		MA000945726							
Package		PG-TQFP-100-5		Weight*		699.17 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	28.260	4.04	4.04	40420	40420	
leadframe	non noble metal	magnesium	7439-95-4	0.282	0.04		403		
	inorganic material	silicon	7440-21-3	1.222	0.17		1747		
	non noble metal	nickel	7440-02-0	5.638	0.81		8064		
wire	non noble metal	copper	7440-50-8	180.785	25.86	26.88	258573	268787	
	noble metal	gold	7440-57-5	3.501	0.50	0.50	5007	5007	
	encapsulation	organic material	carbon black	1333-86-4	2.322	0.33		3321	
plating	plastics	epoxy resin	-	62.690	8.97		89664		
	inorganic material	silicondioxide	60676-86-0	399.359	57.11	66.41	571193	664178	
	non noble metal	tin	7440-31-5	6.201	0.89	0.89	8869	8869	
glue	noble metal	silver	7440-22-4	3.477	0.50	0.50	4973	4973	
*deviation	< 10%	plastics	epoxy resin	-	1.086	0.16		1553	
		noble metal	silver	7440-22-4	4.344	0.62	0.78	6213	7766
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.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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.

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