



Material Content Data Sheet



Sales Product Name		SAK-XC2220U-8F40V AA		Issued		25. September 2017		
MA#		MA000944298						
Package		PG-VQFN-48-54		Weight*		126.23 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	4.061	3.22	3.22	32174	32174
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		140	
	non noble metal	zinc	7440-66-6	0.071	0.06		559	
	non noble metal	iron	7439-89-6	1.412	1.12		11183	
wire	non noble metal	copper	7440-50-8	57.319	45.41	46.60	454083	465965
	noble metal	gold	7440-57-5	0.848	0.67	0.67	6719	6719
	encapsulation	organic material	carbon black	1333-86-4	0.175	0.14		1390
plastics	plastics	epoxy resin	-	7.426	5.88		58832	
	inorganic material	silicondioxide	60676-86-0	50.874	40.30	46.32	403021	463243
leadfinish	non noble metal	tin	7440-31-5	2.340	1.85	1.85	18541	18541
plating	noble metal	silver	7440-22-4	0.656	0.52	0.52	5196	5196
glue	plastics	epoxy resin	-	0.237	0.19		1877	
	noble metal	silver	7440-22-4	0.793	0.63	0.62	6285	8162
*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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