



Material Content Data Sheet



Sales Product Name		SAK-XE161FU-8F40V AA		Issued		24. January 2018			
MA#		MA000976206							
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	noble metal	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
		organic material	carbon black	1333-86-4	0.175	0.14		1390	
encapsulation	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	0.63	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.
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.

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

Company	Infineon Technologies AG
Address	81726 München
Internet	www.infineon.com