



Material Content Data Sheet



Sales Product Name		SAK-C164CI-8EM DB		Issued		1. August 2018			
MA#		MA001629788							
Package		PG-MQFP-80-10		Weight*		980.71 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	52.594	5.36	5.36	53628	53628	
leadframe	inorganic material	phosphorus	7723-14-0	0.071	0.01		72		
		non noble metal	zinc	7440-66-6	0.282	0.03		288	
		non noble metal	iron	7439-89-6	5.642	0.58		5753	
wire	non noble metal	copper	7440-50-8	229.084	23.36	23.98	233589	239702	
		noble metal	gold	7440-57-5	1.252	0.13	0.13	1277	1277
		organic material	carbon black	1333-86-4	2.004	0.20		2043	
encapsulation	plastics	epoxy resin	-	84.825	8.65		86494		
		inorganic material	silicondioxide	60676-86-0	581.088	59.25	68.10	592515	681052
leadfinish	noble metal	silver	7440-22-4	0.002	0.00		2		
		palladium	7440-05-3	0.003	0.00		3		
		gold	7440-57-5	0.004	0.00		4		
		non noble metal	nickel	7440-02-0	4.098	0.42	0.42	4179	4188
plating	noble metal	silver	7440-22-4	0.006	0.00		6		
		palladium	7440-05-3	0.007	0.00		7		
		gold	7440-57-5	0.011	0.00		12		
glue	non noble metal	nickel	7440-02-0	11.395	1.16	1.16	11619	11644	
		plastics	epoxy resin	-	2.086	0.21		2127	
*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

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