



Material Content Data Sheet



Sales Product Name		SAK-TC1767-256F80HR AD		Issued		27. September 2017		
MA#		MA001340768						
Package		PG-LQFP-176-9		Weight*		2023.57 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	38.556	1.91	1.91	19053	19053
leadframe	inorganic material	phosphorus	7723-14-0	0.148	0.01		73	
	non noble metal	zinc	7440-66-6	0.592	0.03		293	
	non noble metal	iron	7439-89-6	11.849	0.59		5855	
wire	non noble metal	copper	7440-50-8	481.113	23.78	24.41	237755	243976
	non noble metal	copper	7440-50-8	3.635	0.18	0.18	1796	1796
	encapsulation	organic material	carbon black	1333-86-4	7.189	0.36		3553
leadfinish	plastics	epoxy resin	-	194.102	9.59		95921	
	inorganic material	silicondioxide	60676-86-0	1236.500	61.08	71.03	611049	710523
	noble metal	palladium	7440-05-3	0.142	0.01		70	
plating	noble metal	silver	7440-22-4	0.124	0.01		61	
	noble metal	gold	7440-57-5	0.228	0.01		113	
	non noble metal	nickel	7440-02-0	4.888	0.24	0.27	2416	2660
	noble metal	silver	7440-22-4	0.885	0.04		437	
	noble metal	gold	7440-57-5	1.626	0.08		803	
glue	noble metal	palladium	7440-05-3	1.011	0.05		500	
	non noble metal	nickel	7440-02-0	34.855	1.72	1.89	17224	18964
	plastics	epoxy resin	-	1.532	0.08		757	
*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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