



Material Content Data Sheet



Sales Product Name		SAK-TC1767-256F133HR AD		Issued		27. September 2017				
MA#		MA001368410								
Package		PG-LQFP-176-9		Weight*		2018.19 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	19104	19104		
leadframe	inorganic material	phosphorus	7723-14-0	0.148	0.01		73			
		non noble metal	zinc	7440-66-6	0.592	0.03		294		
		non noble metal	iron	7439-89-6	11.849	0.59		5871		
wire	non noble metal	copper	7440-50-8	481.113	23.84	24.47	238388	244626		
		copper	7440-50-8	3.609	0.18	0.18	1788	1788		
		encapsulation	organic material	carbon black	1333-86-4	7.194	0.36		3564	
plastics	plastics	epoxy resin	-	194.233	9.62		96241			
		inorganic material	silicondioxide	60676-86-0	1237.335	61.30	71.28	613091	712896	
		leadfinish	noble metal	palladium	7440-05-3	0.003	0.00		1	
noble metal	noble metal	silver	7440-22-4	0.002	0.00		1			
		gold	7440-57-5	0.005	0.00		2			
		non noble metal	nickel	7440-02-0	4.595	0.23	0.23	2277	2281	
plating	noble metal	silver	7440-22-4	0.018	0.00		9			
		palladium	7440-05-3	0.020	0.00		10			
		gold	7440-57-5	0.033	0.00		16			
non noble metal	non noble metal	nickel	7440-02-0	32.763	1.62	1.62	16234	16269		
		glue	plastics	epoxy resin	-	1.532	0.08		759	
		noble metal	silver	7440-22-4	4.595	0.23	0.31	2277	3036	
*deviation	< 10%					Sum in total:	100.00	1000000		

Important Remarks:

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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