



## Material Content Data Sheet



<b>Sales Product Name</b>				SAK-TC1767-256F133HR AD		<b>Issued</b>		23. January 2018	
<b>MA#</b>				MA001620942					
<b>Package</b>				PG-LQFP-176-9		<b>Weight*</b>		2018.21 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	non noble metal	copper	7440-50-8	481.113	23.84	24.47	238385	244623
		non noble metal	copper	7440-50-8	3.635	0.18	0.18	1801	1801
		encapsulation	organic material	carbon black	1333-86-4	7.194	0.36		3564
encapsulation	plastics	plastics	epoxy resin	-	194.232	9.62		96240	
		inorganic material	silicondioxide	60676-86-0	1237.330	61.30	71.28	613082	712886
		leadfinish	noble metal	palladium	7440-05-3	0.003	0.00		1
plating	noble metal	noble metal	silver	7440-22-4	0.002	0.00		1	
		noble metal	gold	7440-57-5	0.005	0.00		2	
		non noble metal	nickel	7440-02-0	4.595	0.23	0.23	2277	2281
		noble metal	silver	7440-22-4	0.018	0.00		9	
		noble metal	gold	7440-57-5	0.033	0.00		16	
glue	non noble metal	noble metal	palladium	7440-05-3	0.020	0.00		10	
		non noble metal	nickel	7440-02-0	32.763	1.62	1.62	16234	16269
		plastics	epoxy resin	-	1.532	0.08		759	
*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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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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