



Material Content Data Sheet



Sales Product Name				SAK-TC1767-256F133HR AD		Issued		20. July 2018	
MA#				MA001253988					
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%			4.595	0.23	0.31	2271	3028	
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

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