



Material Content Data Sheet



Sales Product Name				SAK-TC1767-256F80HR AD		Issued		27. February 2015	
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	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
plastics	plastics	epoxy resin	-	194.102	9.59		95921		
		inorganic material	silicondioxide	60676-86-0	1236.500	61.08	71.03	611049	710523
		leadfinish	noble metal	palladium	7440-05-3	0.142	0.01		70
plating	noble metal	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	
glue	plastics	noble metal	gold	7440-57-5	1.626	0.08		803	
		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
*deviation	< 10%	plastics	epoxy resin	-	1.532	0.08		757	
		noble metal	silver	7440-22-4	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 2011/65/EU (RoHS) and does not use any exemption.

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