

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-TC1736-128F80HL AA	**Issued**	2. August 2018
MA#	MA000839860		
Package	PG-LQFP-144-10	**Weight***	1419.19 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	24.572	1.73	1.73	17314	17314
leadframe	non noble metal	magnesium	7439-95-4	0.538	0.04		379	
	inorganic material	silicon	7440-21-3	2.331	0.16		1642	
	non noble metal	nickel	7440-02-0	10.757	0.76		7579	
	non noble metal	copper	7440-50-8	344.930	24.30	25.26	243048	252648
wire	noble metal	gold	7440-57-5	6.501	0.46	0.46	4580	4580
encapsulation	organic material	carbon black	1333-86-4	5.065	0.36		3569	
	plastics	epoxy resin	-	136.751	9.64		96359	
	inorganic material	silicondioxide	60676-86-0	871.151	61.39	71.39	613840	713768
leadfinish	non noble metal	tin	7440-31-5	9.120	0.64	0.64	6426	6426
plating	noble metal	silver	7440-22-4	3.047	0.21	0.21	2147	2147
glue	plastics	epoxy resin	-	1.106	0.08		779	
	noble metal	silver	7440-22-4	3.319	0.23	0.31	2338	3117
*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

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