



## Material Content Data Sheet



<b>Sales Product Name</b>		SAK-XC2289H-200F100L AB		<b>Issued</b>		27. September 2017		
<b>MA#</b>		MA001049102						
<b>Package</b>		PG-LQFP-144-13		<b>Weight*</b>		1421.48 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	71.686	5.04	5.04	50431	50431
leadframe	inorganic material	phosphorus	7723-14-0	0.105	0.01		74	
	non noble metal	zinc	7440-66-6	0.420	0.03		296	
	non noble metal	iron	7439-89-6	8.410	0.59		5916	
wire	non noble metal	copper	7440-50-8	341.472	24.02	24.65	240222	246508
	noble metal	gold	7440-57-5	4.202	0.30	0.30	2956	2956
	encapsulation	organic material	carbon black	1333-86-4	4.845	0.34		3408
encapsulation	plastics	epoxy resin	-	130.815	9.20		92027	
	inorganic material	silicondioxide	60676-86-0	833.340	58.63	68.17	586246	681681
leadfinish	non noble metal	tin	7440-31-5	9.120	0.64	0.64	6416	6416
plating	noble metal	silver	7440-22-4	2.668	0.19	0.19	1877	1877
glue	plastics	epoxy resin	-	3.600	0.25		2533	
	noble metal	silver	7440-22-4	10.800	0.76	1.01	7598	10131
*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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