

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-XE161FU-8F40V AA	**Issued**	4. July 2019
MA#	MA005345899		
Package	PG-VQFN-48-54	**Weight***	126.23 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	4.061	3.22	3.22	32174	32174
leadframe	inorganic material	phosphorus	7723-14-0	0.018	0.01		140	
	non noble metal	zinc	7440-66-6	0.071	0.06		559	
	non noble metal	iron	7439-89-6	1.412	1.12		11183	
	non noble metal	copper	7440-50-8	57.319	45.41	46.60	454083	465965
wire	noble metal	gold	7440-57-5	0.848	0.67	0.67	6719	6719
encapsulation	organic material	carbon black	1333-86-4	0.175	0.14		1390	
	plastics	epoxy resin	-	7.426	5.88		58832	
	inorganic material	silicondioxide	60676-86-0	50.874	40.30	46.32	403021	463243
leadfinish	non noble metal	tin	7440-31-5	2.340	1.85	1.85	18541	18541
plating	noble metal	silver	7440-22-4	0.656	0.52	0.52	5196	5196
glue	plastics	epoxy resin	-	0.237	0.19		1877	
	noble metal	silver	7440-22-4	0.793	0.63	0.82	6285	8162
*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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