

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAF-XC822-1FRI AA	**Issued**	1. September 2019
MA#	MA001797242		
Package	PG-TSSOP-16-9	**Weight***	61.54 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	3.168	5.15	5.15	51478	51478
leadframe	inorganic material	phosphorus	7723-14-0	0.006	0.01		100	
	non noble metal	zinc	7440-66-6	0.025	0.04		400	
	non noble metal	iron	7439-89-6	0.492	0.80		8000	
	non noble metal	copper	7440-50-8	19.991	32.48	33.33	324840	333340
wire	noble metal	gold	7440-57-5	0.180	0.29	0.29	2920	2920
encapsulation	organic material	carbon black	1333-86-4	0.103	0.17		1672	
	plastics	epoxy resin	-	4.012	6.52		65198	
	inorganic material	silicondioxide	60676-86-0	30.178	49.05	55.74	490377	557247
leadfinish	noble metal	palladium	7440-05-3	0.015	0.02		248	
	noble metal	gold	7440-57-5	0.025	0.04		398	
	non noble metal	nickel	7440-02-0	0.537	0.87	0.93	8721	9367
plating	noble metal	palladium	7440-05-3	0.043	0.07		699	
	noble metal	gold	7440-57-5	0.069	0.11		1124	
	non noble metal	nickel	7440-02-0	1.515	2.46	2.64	24610	26433
glue	plastics	epoxy resin	-	0.296	0.48		4804	
	noble metal	silver	7440-22-4	0.887	1.44	1.92	14411	19215
*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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