

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAK-C167CR-L33M HA+	**Issued**	20. July 2018
MA#	MA001395390		
Package	PG-MQFP-144-11	**Weight***	4194.55 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	25.986	0.62	0.62	6195	6195
leadframe	non noble metal	magnesium	7439-95-4	0.976	0.02		233	
	inorganic material	silicon	7440-21-3	4.227	0.10		1008	
	non noble metal	nickel	7440-02-0	19.510	0.47		4651	
	non noble metal	copper	7440-50-8	625.625	14.92	15.51	149152	155044
wire	noble metal	gold	7440-57-5	3.226	0.08	0.08	769	769
encapsulation	organic material	carbon black	1333-86-4	10.440	0.25		2489	
	plastics	epoxy resin	-	441.946	10.54		105362	
	inorganic material	silicondioxide	60676-86-0	3027.503	72.17	82.96	721770	829621
leadfinish	non noble metal	tin	7440-31-5	19.304	0.46	0.46	4602	4602
plating	noble metal	silver	7440-22-4	10.582	0.25	0.25	2523	2523
glue	plastics	acrylic resin	-	1.045	0.02		249	
	noble metal	silver	7440-22-4	4.180	0.10	0.12	997	1246
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
2. Infineon Technologies AG and Infineon Technologies AG suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.
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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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