

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	SAF-C167CR-LM HA+	**Issued**	23. December 2019
MA#	MA001329846		
Package	PG-MQFP-144-8	**Weight***	4197.93 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	6190	6190
leadframe	non noble metal	magnesium	7439-95-4	0.976	0.02		232	
	inorganic material	silicon	7440-21-3	4.227	0.10		1007	
	non noble metal	nickel	7440-02-0	19.510	0.46		4648	
	non noble metal	copper	7440-50-8	625.625	14.90	15.48	149032	154919
wire	noble metal	gold	7440-57-5	7.259	0.17	0.17	1729	1729
encapsulation	organic material	carbon black	1333-86-4	10.438	0.25		2487	
	plastics	epoxy resin	-	441.893	10.53		105264	
	inorganic material	silicondioxide	60676-86-0	3027.140	72.13	82.91	721103	828854
leadfinish	non noble metal	tin	7440-31-5	19.066	0.45	0.45	4542	4542
plating	noble metal	silver	7440-22-4	10.582	0.25	0.25	2521	2521
glue	plastics	acrylic resin	-	1.045	0.02		249	
	noble metal	silver	7440-22-4	4.180	0.10	0.12	996	1245
*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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