

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC4700-E196F2048 AA	**Issued**	02. June 2021
MA#	MA001499450		
Package	PG-LFBGA-196-2	**Weight***	553.84 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	15.227	2.75	2.75	27493	27493
wire	noble metal	palladium	7440-05-3	0.009			16	
	non noble metal	copper	7440-50-8	0.903	0.16	0.16	1630	1646
encapsulation	organic material	carbon black	1333-86-4	0.373	0.07		674	
	plastics	epoxy resin	-	25.764	4.65		46519	
	inorganic material	silicondioxide	60676-86-0	160.558	28.99	33.71	289903	337096
substrate	inorganic material	aluminiumhydroxide	21645-51-2	30.271	5.47		54657	
	plastics	epoxy bismaleimide triazine resin	-	34.756	6.28		62754	
	non noble metal	copper	7440-50-8	42.726	7.71		77146	
	inorganic material	glass fibre	-	47.088	8.50	27.96	85022	279579
plating	noble metal	gold	7440-57-5	0.000			1	
	non noble metal	nickel	7440-02-0	0.001			1	2
solderball	noble metal	silver	7440-22-4	6.769	1.22		12222	
	non noble metal	tin	7440-31-5	186.630	33.71	34.93	336977	349199
glue	plastics	epoxy resin	-	0.690	0.12		1246	
	noble metal	silver	7440-22-4	2.071	0.37	0.49	3739	4985
*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.
3. All statements are based on our present knowledge, are provided 'as is' and may be subject to change at any time due to technical requirements and development without notification.

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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