



Material Content Data Sheet



Halogen-Free

Sales Product Name XMC4800-E196K2048 AA

Issued

24. June 2021

MA# MA001494314

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:

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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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