

Material Content Data Sheet

RoHS | Halogen-Free

Sales Product Name	XMC6521SC-Q040X AA	**Issued**	03. June 2021
MA#	MA003645016		
Package	PG-VQFN-40-17	**Weight***	69.40 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	1.928	2.78	2.78	27787	27787
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		135	
	non noble metal	zinc	7440-66-6	0.037	0.05		539	
	non noble metal	iron	7439-89-6	0.748	1.08		10778	
	non noble metal	copper	7440-50-8	30.371	43.77	44.91	437650	449102
wires	noble metal	palladium	7440-05-3	0.003			36	
	non noble metal	copper	7440-50-8	0.248	0.36	0.36	3580	3616
encapsulation	organic material	carbon black	1333-86-4	0.102	0.15		1474	
	plastics	epoxy resin	-	5.352	7.71		77117	
	inorganic material	silicondioxide	60676-86-0	28.633	41.26	49.12	412598	491189
leadfinish	noble metal	silver	7440-22-4	0.000			4	
	noble metal	palladium	7440-05-3	0.000			5	
	noble metal	gold	7440-57-5	0.001			8	
	non noble metal	nickel	7440-02-0	0.544	0.78	0.78	7846	7863
plating	noble metal	palladium	7440-05-3	0.000			5	
	noble metal	silver	7440-22-4	0.000			5	
	noble metal	gold	7440-57-5	0.001			9	
	non noble metal	nickel	7440-02-0	0.609	0.88	0.88	8780	8799
glue	plastics	epoxy resin	-	0.129	0.19		1863	
	noble metal	silver	7440-22-4	0.679	0.98	1.17	9781	11644
*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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