



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XDPE14283A-0000	<b>Issued</b>	07. February 2022
<b>MA#</b>	MA005415241		
<b>Package</b>	PG-VQFN-40-13	<b>Weight*</b>	70.35 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	2.317	3.29	3.29	32933	32933
leadframe	inorganic material	phosphorus	7723-14-0	0.009	0.01		133	
	non noble metal	zinc	7440-66-6	0.037	0.05		532	
	non noble metal	iron	7439-89-6	0.748	1.06		10632	
	non noble metal	copper	7440-50-8	30.371	43.19	44.31	431685	442982
wire	noble metal	gold	7440-57-5	0.558	0.79	0.79	7933	7933
encapsulation	organic material	carbon black	1333-86-4	0.103	0.15		1468	
	plastics	epoxy resin	-	4.027	5.72		57234	
	inorganic material	silicondioxide	60676-86-0	30.286	43.05	48.92	430475	489177
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	0.77	0.77	7739	7756
plating	noble metal	silver	7440-22-4	0.000			5	
	noble metal	palladium	7440-05-3	0.000			5	
	noble metal	gold	7440-57-5	0.001			9	
	non noble metal	nickel	7440-02-0	0.609	0.87	0.87	8661	8680
glue	plastics	bismaleimide resin	-	0.148	0.21		2108	
	noble metal	silver	7440-22-4	0.593	0.84	1.05	8431	10539
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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