



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XDPP1100-Q040	<b>Issued</b>	17. May 2021
<b>MA#</b>	MA005406747		
<b>Package</b>	PG-VQFN-40-19	<b>Weight*</b>	95.48 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	2.016	2.11	2.11	21116	21116
leadframe	inorganic material	phosphorus	7723-14-0	0.012	0.01		129	
	non noble metal	zinc	7440-66-6	0.049	0.05		518	
	non noble metal	iron	7439-89-6	0.988	1.03		10350	
	non noble metal	copper	7440-50-8	40.126	42.03	43.12	420251	431248
wire	noble metal	gold	7440-57-5	0.791	0.83	0.83	8284	8284
encapsulation	organic material	carbon black	1333-86-4	0.146	0.15		1530	
	plastics	epoxy resin	-	5.698	5.97		59677	
	inorganic material	silicondioxide	60676-86-0	42.857	44.90	51.02	448852	510059
leadfinish	noble metal	palladium	7440-05-3	0.000			4	
	noble metal	silver	7440-22-4	0.000			4	
	noble metal	gold	7440-57-5	0.001			7	
	non noble metal	nickel	7440-02-0	0.666	0.70	0.70	6976	6991
plating	noble metal	silver	7440-22-4	0.001			8	
	noble metal	palladium	7440-05-3	0.001			9	
	noble metal	gold	7440-57-5	0.001			15	
	non noble metal	nickel	7440-02-0	1.453	1.52	1.52	15214	15246
glue	plastics	bismaleimide resin	-	0.135	0.14		1411	
	noble metal	silver	7440-22-4	0.539	0.56	0.70	5645	7056
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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