



## Material Content Data Sheet



Halogen-Free

<b>Sales Product Name</b>	XDPP1100-Q024	<b>Issued</b>	08. February 2022
<b>MA#</b>	MA005406065		
<b>Package</b>	PG-VQFN-24-20	<b>Weight*</b>	42.15 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	4.78	4.78	47837	47837
leadframe	inorganic material	phosphorus	7723-14-0	0.005	0.01		126	
	non noble metal	zinc	7440-66-6	0.021	0.05		502	
	non noble metal	iron	7439-89-6	0.423	1.00		10042	
	non noble metal	copper	7440-50-8	17.185	40.77	41.83	407731	418401
wire	noble metal	gold	7440-57-5	0.244	0.58	0.58	5784	5784
encapsulation	organic material	carbon black	1333-86-4	0.062	0.15		1469	
	plastics	epoxy resin	-	2.415	5.73		57307	
	inorganic material	silicondioxide	60676-86-0	18.166	43.11	48.99	431022	489798
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	0.000			7	
	non noble metal	nickel	7440-02-0	0.294	0.70	0.70	6983	6998
plating	noble metal	silver	7440-22-4	0.000			8	
	noble metal	palladium	7440-05-3	0.000			9	
	noble metal	gold	7440-57-5	0.001			15	
	non noble metal	nickel	7440-02-0	0.639	1.52	1.52	15164	15196
glue	plastics	bismaleimide resin	-	0.135	0.32		3197	
	noble metal	silver	7440-22-4	0.539	1.28	1.60	12789	15986
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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