



Material Content Data Sheet



Halogen-Free

Sales Product Name	PXE1610CDN-G003	Issued	24. June 2021
MA#	MA005425759		
Package	PG-VQFN-48-33	Weight*	111.76 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	3.042	2.72	2.72	27224	27224
leadframe	inorganic material	phosphorus	7723-14-0	0.014	0.01		129	
	non noble metal	zinc	7440-66-6	0.057	0.05		514	
	non noble metal	iron	7439-89-6	1.150	1.03		10286	
	non noble metal	copper	7440-50-8	46.676	41.77	42.86	417663	428592
wire	noble metal	gold	7440-57-5	0.502	0.45	0.45	4488	4488
encapsulation	organic material	carbon black	1333-86-4	0.288	0.26		2575	
	plastics	epoxy resin	-	8.920	7.98		79817	
	inorganic material	silicondioxide	60676-86-0	48.341	43.26	51.50	432555	514947
leadfinish	noble metal	silver	7440-22-4	0.000			3	
	noble metal	palladium	7440-05-3	0.000			4	
	noble metal	gold	7440-57-5	0.001			6	
	non noble metal	nickel	7440-02-0	0.656	0.59	0.59	5870	5883
plating	noble metal	silver	7440-22-4	0.001			5	
	noble metal	palladium	7440-05-3	0.001			6	
	noble metal	gold	7440-57-5	0.001			9	
	non noble metal	nickel	7440-02-0	1.041	0.93	0.93	9313	9333
glue	plastics	epoxy resin	-	0.170	0.15		1525	
	noble metal	silver	7440-22-4	0.895	0.80	0.95	8008	9533
*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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