MICROCHI	
Basi	ic
F	9

Palladium

Silver

Semiconductor Device Type: RKX VQFN 24 4x4x0.9mm MatteTin "Contained In % Total 15.04 (mg) Total Mold Compound % of Total Weight 36 45 CAS Number Sub-Component Weight Substance mg/part ppm Silicon 7440-21-3 Chip (Die) G700 Trade Secret 3.30 1.36 33030 Epoxy resin 7.70 Zinc 7440-66-6 0.07 0.03 711 Trade Secret Leadframe 7439-89-6 1.34 13370 73.80 Iron Leadframe 0.55 Silica(Amorphous) A 60676-86-0 hosphorus 7723-14-0 Leadframe 0.05 0.02 469 Silica(Amorphous) B 7631-86-9 11.00 Copper 7440-50-8 Leadframe 55.44 22.88 554384 Carbon Black 1333-86-4 0.20 7440-22-4 14733 1 47 0.61 Silver Leadframe 100 00 Silver 7440-22-4 Die Attach 0.86 0.36 8624 bisphenol-F-(epichlorhydrin) 9003-36-5 Die Attach 0.03 0.01 345 24.09 (mg) Total Leadframe % of Total Weight 58.37 Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin 68475-94-5 Die Attach 0.02 0.01 230 C194 Zinc 7440-66-6 0.12 0.04 gamma-Butyrolactone 96-48-0 Die Attach 0.02 425 7439-89-6 Iron Epoxy resin Trade Secret Die Attach 0.05 0.02 494 Phosphorus 7723-14-0 Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-9046-10-0 Die Attach 0.08 0.03 759 7440-50-8 94.98 Copper aminomethylethoxy) 1317-38-0 Die Attach 0.06 575 Copper oxide 0.02 Ag plating Silver 7440-22-4 2.52 1,4-Bis(2,3-epoxypropoxy)butane 46 2425-79-8 Die Attach 0.005 0.002 Trade Secret Mold Compound 2.81 1.16 28064 Phenol Resin Trade Secret Mold Compound 2.66 1.10 26606 0.47 (mg) Total Die Attach 6 of Total Weight 60676-86-0 Mold Compound 26.90 11.10 268980 8290 7440-22-4 75.00 Silica(Amorphous) A Silica(Amorphous) B 7631-86-9 Mold Compound 4.01 1.65 40092 bisphenol-F-(epichlorhydrin) 9003-36-5 3.00 Carbon Black 1333-86-4 Mold Compound 0.07 0.03 729 68475-94-5 2.00 polymers with epichlorohydrin 7440-50-8 Bonding Wire 0.28 0.12 2787 96-48-0 3.70 Copper gamma-Butvrolactone

0.01

0.000005

0.45

100.00

TOTALS:

0.003

0.000002

0.18

41.27

80

Ο

4464

1,000,000

41.27 mg Total Mass

Bonding Wire

Bonding Wire

Lead Finish Plating

The information contained in this Material Content Declaration (MCD) consists of package-level information and is not part number specific. This information is considered to be sufficiently representative of all part numbers for the package type.

7440-05-3

7440-22-4

7440-31-5

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		Total	100.00	
1.36	Total (mg)	Chip (Die)	% of Total Weight	3.30
Silicon	Silicon	7440-21-3	100.00	
•		Total	100.00	
0.12	(mg) Total	Bonding Wire	% of Total Weight	0.29
				0.29
PD COATED CU Wire	Copper	7440-50-8	97.20	
	Palladium	7440-05-3	2.80	
	Silver	7440-22-4	0.00	
		Total	100.00	
0.18	(mg) Total	Lead Finish Plating	% of Total Weight	0.45
Tin plating	Tin	7440-31-5	100.00	
		Total	100.00	

Trade Secret

9046-10-0

1317-38-0

2425-79-8

4.30

6.60

5.00

0.40

Package Homogeneous Materials

Epoxy resin Poly[oxy(methyl-1,2-ethanediyl)], a-(2-

aminomethylethyl)-w-(2aminomethylethoxy)

Copper oxide

1,4-Bis(2,3-epoxypropoxy)butane

G700 C194 8290 9:10 AM: 10/9/2023