

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE64904
Ordering Codes:	PE64904C-Z
Description:	UltraCMOS Digitally Tunable Capacitor (DTC) 100-3000 MHz
Package:	10L 2x2 QFN
Environmental Compliance	EU RoHS2 Directive 2011/65/EC, REACH - EU ECHA SVHC, Arsenic Free, JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
Lead Finish	NiPdAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	1.481675	18.20%	182,043.94
Die	Aluminum	7429-90-5	0.004507	0.06%	553.74
Die	Silicon	7440-21-3	0.000300	0.00%	36.92
Die	Arsenic	7440-38-2	0.000002	0.00%	0.18
Die	Boron	7440-42-8	0.000002	0.00%	0.18
Die	Phosphorus	7723-14-0	0.000006	0.00%	0.74
Die	Titanium	7440-32-6	0.000751	0.01%	92.29
Die	Tungsten	7440-33-7	0.015023	0.18%	1,845.79
Die	Cobalt	7440-48-4	0.000030	0.00%	3.69
Die	Copper	7440-50-8	0.000012	0.00%	1.48
Leadframe	Copper	7440-50-8	2.524200	31.01%	310,132.27
Leadframe	Iron	7439-89-6	0.608000	7.47%	74,701.06
Leadframe	Zinc	7440-66-6	0.003100	0.04%	380.88
Leadframe	Phosphorus	7723-14-0	0.000800	0.01%	98.29
Plating	Nickel	7440-02-0	0.027900	0.15%	1,474.36
Plating	Palladium	7440-05-3	0.002300	0.01%	122.86
Plating	Gold	7440-57-5	0.000100	0.00%	0.00
Die Attach	Silver	7440-22-4	0.052100	0.64%	6,401.19
Die Attach	exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl	7534-94-3	0.013900	0.17%	1,707.80
Die Attach	1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-di	3006-93-7	0.003500	0.04%	430.02
Gold Wire	Gold (Au)	7440-57-5	0.107800	1.32%	13,244.69
Mold Compound	Silica Fused	60676-86-0	3.019800	37.10%	371,023.46
Mold Compound	Epoxy Resin	Trade secret	0.131700	1.62%	16,181.13
Mold Compound	Phenol Resin	Trade secret	0.131700	1.62%	16,181.13
Mold Compound	Carbon Black	1333-86-4	0.009900	0.12%	1,216.35
Total Weight (mg)			8.139108	100.00%	1,000,000