

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE64909
Ordering Codes:	PE64909MLAA-Z
Description:	UltraCMOS® Digitally Tunable Capacitor (DTC) 100-3000 MHz
Package:	10-lead 2x2 QFN package
Environmental Compliance	EU RoHS Directive 2011/65/EU, 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					
Die	Aluminum oxide	1344-28-1	0.794293	8.81%	88,115
Package					
Leadframe	Copper	7440-50-8	4.745000	52.64%	526,386
	Nickel	7440-02-0	0.148000	1.64%	16,418
	Silicon	7440-21-3	0.032000	0.35%	3,550
	Magnesium	7439-95-4	0.007000	0.08%	777
Internal Plating	Nickel	7440-02-0	0.090000	1.00%	9,984
	Palladium	7440-05-3	0.002000	0.02%	222
	Gold	7440-57-5	0.001000	0.01%	111
	Silver	7440-22-4	0.001000	0.01%	111
External Plating	Nickel	7440-02-0	0.034000	0.38%	3,772
	Palladium	7440-05-3	0.002000	0.02%	222
	Gold	7440-57-5	0.001000	0.01%	111
	Silver	7440-22-4	0.001000	0.01%	111
Die Attach	Acrylates	Trade secret	0.019000	0.21%	2,108
	Silver	7440-22-4	0.116000	1.29%	12,868
	Proprietary Bismaleimide	Trade secret	0.004000	0.04%	444
	Methacrylate Ester	Trade secret	0.004000	0.04%	444
Wire	Proprietary polymer	Trade secret	0.001000	0.01%	111
	Copper	7440-50-8	0.016000	0.18%	1,775
Molding Compound	Silica Fused	60676-86-0	2.577000	28.59%	285,879
	Multi-aromatic Resin	Trade secret	0.419000	4.65%	46,482
Total Weight (mg)			9.014293	100.00%	1,000,000