

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE64907
<b>Ordering Codes:</b>	PE64907B-Z
<b>Description:</b>	UltraCMOS® Digitally Tunable Capacitor (DTC) 100-3000 MHz
<b>Package:</b>	10L 2x2 QFN
<b>Environmental Compliance</b>	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
<b>Lead Finish</b>	NiPdAu
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	0.770509	8.56%	85,609.89
Die	Aluminum	7429-90-5	0.002344	0.03%	260.41
Die	Silicon	7440-21-3	0.000156	0.00%	17.36
Die	Arsenic	7440-38-2	0.000001	0.00%	0.09
Die	Boron	7440-42-8	0.000001	0.00%	0.09
Die	Phosphorus	7723-14-0	0.000003	0.00%	0.35
Die	Titanium	7440-32-6	0.000391	0.00%	43.40
Die	Tungsten	7440-33-7	0.007812	0.09%	868.02
Die	Cobalt	7440-48-4	0.000016	0.00%	1.74
Die	Copper	7440-50-8	0.000006	0.00%	0.69
Leadframe	Copper	7440-50-8	4.745000	52.72%	527,208.22
Leadframe	Nickel	7440-02-0	0.148000	1.64%	16,444.01
Leadframe	Silicon	7440-21-3	0.032000	0.36%	3,555.46
Leadframe	Magnesium	7439-95-4	0.007000	0.08%	777.76
Plating	Nickel	7440-02-0	0.124000	1.38%	13,777.41
Plating	Palladium	7440-05-3	0.004000	0.04%	444.43
Plating	Gold	7440-57-5	0.003000	0.03%	333.32
Die Attach	Acrylates	Proprietary	0.019000	0.21%	2,111.06
Die Attach	Silver	7440-22-4	0.116000	1.29%	12,888.55
Die Attach	Proprietary Bismaleimide	Proprietary	0.004000	0.04%	444.43
Die Attach	Methacrylate ester	Proprietary	0.004000	0.04%	444.43
Die Attach	Proprietary polymer	Proprietary	0.001000	0.01%	111.11
Wire	Copper	7440-50-8	0.015360	0.17%	1,706.62
Wire	Palladium	7440-05-3	0.000638	0.01%	70.89
Wire	Silver	7440-22-4	0.000002	0.00%	0.22
Molding Compound	Silica fused	60676-86-0	2.577000	28.63%	286,325.73
Molding Compound	Multi-aromatic resin	Trade secret	0.419000	4.66%	46,554.32
<b>Total Weight (mg)</b>			<b>9.000239</b>	100.00%	1,000,000