

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4314
<b>Ordering Codes:</b>	PE4314B-Z
<b>Description:</b>	UltraCMOS® RF Digital Step Attenuator, 1 MHz–2.5 GHz
<b>Package:</b>	20L 4x4 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	1.628675	3.74%	37,403.27
Die	Aluminum	7429-90-5	0.004954	0.01%	113.77
Die	Silicon	7440-21-3	0.000330	0.00%	7.58
Die	Arsenic	7440-38-2	0.000002	0.00%	0.04
Die	Boron	7440-42-8	0.000002	0.00%	0.04
Die	Phosphorus	7723-14-0	0.000007	0.00%	0.15
Die	Titanium	7440-32-6	0.000826	0.00%	18.96
Die	Tungsten	7440-33-7	0.016514	0.04%	379.24
Die	Cobalt	7440-48-4	0.000033	0.00%	0.76
Die	Copper	7440-50-8	0.000013	0.00%	0.30
Leadframe	Copper	7440-50-8	20.443000	46.95%	469,482.87
Leadframe	Iron	7439-89-6	0.049300	0.11%	1,132.20
Leadframe	Zinc	7440-66-6	0.026000	0.06%	597.10
Leadframe	Phosphorus	7723-14-0	0.017000	0.04%	390.41
Die Attach	Proprietary acrylates	-	0.045000	0.10%	1,033.45
Die Attach	Silver	7440-22-4	0.277000	0.64%	6,361.43
Die Attach	Proprietary Bismaleimide	-	0.010000	0.02%	229.65
Die Attach	Methacrylate ester	-	0.010000	0.02%	229.65
Die Attach	Proprietary polymer	-	0.004000	0.01%	91.86
Gold Wire	Gold	7440-57-5	0.689000	1.58%	15,823.20
Plating	Nickel	7440-02-0	0.407000	0.93%	9,346.94
Plating	Palladium	7440-05-3	0.011000	0.03%	252.62
Plating	Gold	7440-57-5	0.004000	0.01%	91.86
Mold Compound	Silica fused	60676-86-0	18.000000	41.34%	413,378.25
Mold Compound	Multi-aromatic resin	-	1.900000	4.36%	43,634.37
<b>Total Weight (mg)</b>			<b>43.543655</b>	100.00%	1,000,000