

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42441
<b>Ordering Codes:</b>	PE42441B-Z
<b>Description:</b>	UltraCMOS®
<b>Package:</b>	32L 5x5 LGA
<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>	Sn
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	1.606300	3.27%	32,662.67
Mold Compound	Biphenyl resin	Trade secret	4.500000	9.15%	91,503.48
Mold Compound	Silica Fused	60676-86-0	28.900000	58.77%	587,655.65
Laminate	Laminate	Trade secret	5.300000	10.78%	107,770.76
Laminate	Solder Mask	Trade secret	2.200000	4.47%	44,735.03
Laminate	Copper	7440-50-8	2.700000	5.49%	54,902.09
Laminate	Nickel	7440-02-0	0.900000	1.83%	18,300.70
Laminate	Gold	7440-57-5	0.200000	0.41%	4,066.82
Laminate	SAC 305	-	0.050000	0.10%	1,016.71
UBM	Titanium	7440-32-6	0.000000	0.00%	0.00
UBM	Nickel	7440-02-0	0.000000	0.00%	0.00
UBM	Vanadium	7440-62-2	0.000000	0.00%	0.00
UBM	Copper	7440-50-8	0.000000	0.00%	0.00
Repassivation	Spheron	Trade secret	0.007160	0.01%	145.59
Solder Bump	Tin	7440-31-5	2.688000	5.47%	54,658.08
Solder Bump	Silver	7440-22-4	0.099000	0.20%	2,013.08
Solder Bump	Copper	7440-50-8	0.028000	0.06%	569.35
<b>Total Weight (mg)</b>			<b>49.178460</b>	100.00%	1,000,000