

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42850
<b>Ordering Codes:</b>	PE42850B-X
<b>Description:</b>	UltraCMOS SP5T RF Switch 30 - 1000Mhx
<b>Package:</b>	32L 5x5 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	4.885477	7.24%	72,405.00
Die	Aluminum	7429-90-5	0.014861	0.02%	220.24
Die	Silicon	7440-21-3	0.000991	0.00%	14.68
Die	Arsenic	7440-38-2	0.000005	0.00%	0.07
Die	Boron	7440-42-8	0.000005	0.00%	0.07
Die	Phosphorus	7723-14-0	0.000020	0.00%	0.29
Die	Titanium	7440-32-6	0.002477	0.00%	36.71
Die	Tungsten	7440-33-7	0.049535	0.07%	734.13
Die	Cobalt	7440-48-4	0.000099	0.00%	1.47
Die	Copper	7440-50-8	0.000040	0.00%	0.59
Leadframe	Copper	7440-50-8	26.714000	39.59%	395,913.72
Leadframe	Iron	7439-89-6	0.643900	0.95%	9,542.89
Leadframe	Zinc	7440-66-6	0.032900	0.05%	487.59
Leadframe	Phosphorous	7723-14-0	0.008200	0.01%	121.53
Die Attach	Silver	7440-22-4	0.287200	0.43%	4,256.44
Die Attach	Epoxy Resin	9003-36-5	0.035900	0.05%	532.05
Die Attach	Diluent	26447-14-3	0.021500	0.03%	318.64
Die Attach	Dicyandiamide	461-58-5	0.003600	0.01%	53.35
Die Attach	Hardener	620-92-8	0.010800	0.02%	160.06
Wire	Gold	7440-57-5	0.552900	0.82%	8,194.23
Plating	Others	Proprietary	0.000100	0.00%	1.48
Plating	Nickel	7440-02-0	0.180330	0.27%	2,672.57
Plating	Palladium	7440-03-5	0.014580	0.02%	216.08
Plating	Gold	7440-57-5	0.000580	0.00%	8.60
Molding Compound	Silica Fused	60676-86-0	31.191100	46.23%	462,266.39
Molding Compound	Epoxy Resin	Trade secret	1.360600	2.02%	20,164.72
Molding Compound	Phenol Resin	Trade secret	1.360600	2.02%	20,164.72
Molding Compound	Carbon Black	1333-86-4	0.102000	0.15%	1,511.69
<b>Total Weight (mg)</b>			<b>67.474298</b>	100.00%	1,000,000

