

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42412
<b>Ordering Codes:</b>	PE42412A-X
<b>Description:</b>	UltraCMOS SP12T RF Switch, 10 MHz–8 GHz
<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	Silicon	7440-21-3	3.477009	4.58%	45,777.23
Die	Phosphorus	7723-14-0	0.000017	0.00%	0.23
Die	Boron	7440-42-8	0.000017	0.00%	0.23
Die	Arsenic	7440-38-2	0.000017	0.00%	0.23
Die	Germanium	7440-56-4	0.000017	0.00%	0.23
Die	Indium	7440-74-6	0.000017	0.00%	0.23
Die	Cobalt	7440-48-4	0.000017	0.00%	0.23
Die	Tungsten	7440-33-7	0.000654	0.00%	8.61
Die	Copper	7440-50-8	0.019842	0.03%	261.24
Die	Tantalum	7440-25-7	0.000941	0.00%	12.39
Die	Aluminum	7429-90-5	0.000364	0.00%	4.79
Leadframe	Copper	7440-50-8	38.211700	50.31%	503,083.57
Leadframe	Iron	7439-89-6	0.921500	1.21%	12,132.19
Leadframe	Zinc	7440-66-6	0.049000	0.06%	645.12
Leadframe	Phosphorus	7723-14-0	0.032400	0.04%	426.57
Leadframe	Nickel	7440-02-0	0.681000	0.90%	8,965.84
Leadframe	Palladium	7440-05-3	0.019000	0.03%	250.15
Leadframe	Gold	7440-57-5	0.006000	0.01%	78.99
Leadframe	Silver	7440-22-4	0.005000	0.01%	65.83
Wire	Gold	7440-57-5	1.633000	2.15%	21,499.58
Die Attach	Proprietary Acrylates	Trade secret	0.068700	0.09%	904.48
Die Attach	Silver	7440-22-4	0.422780	0.56%	5,566.19
Die Attach	Proprietary Bismaleimide	Trade secret	0.015850	0.02%	208.68
Die Attach	Methacrylate Ester	Trade secret	0.015850	0.02%	208.68
Die Attach	Proprietary Polymer	Trade secret	0.005280	0.01%	69.51
Molding Compound	Epoxy resin	Trade secret	2.747000	3.62%	36,166.16
Molding Compound	Silica Fused	60676-86-0	26.249000	34.56%	345,586.31
Molding Compound	Phenol resin	Trade secret	1.373000	1.81%	18,076.50
<b>Total Weight (mg)</b>			<b>75.954975</b>	<b>100.00%</b>	<b>1,000,000</b>