

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42430
<b>Ordering Codes:</b>	PE42430MLAA-Z
<b>Description:</b>	UltraCMOS™ SP3T Reflective RF Switch 100 – 3000 MHz
<b>Package:</b>	8L 1.5X1.5 QFN
<b>Environmental Compliance</b>	EU RoHS Directive 2002/95/EC, <b>REACH</b> - EU ECHA SVHC, <b>Arsenic Free</b> , <b>JIG 101</b> - EIA/EICTA/JEITA, <b>Halogen Free</b> - IEC61249-2-21, <b>PFOS Free</b> - 2006/122/EC, <b>Antimony Trioxide Free</b>
<b>Lead Finish</b>	NiPdAu
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire (Al2O3)	1344-28-1	0.526051	12.37%	123,742
	Silicon (Si)	7440-21-3	0.000175	0.00%	41
	Arsenic (As)	7440-38-2	0.000001	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000059	0.00%	14
	Titanium (Ti)	7440-32-6	0.000020	0.00%	5
	Tungsten (W)	7440-33-7	0.000002	0.00%	0
	Copper (Cu)	7440-50-8	0.000003	0.00%	1
	Aluminum (Al)	7429-90-5	0.000876	0.02%	206
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
<b>Package</b>					
Leadframe	Silicon(Si)	7440-21-3	0.013000	0.31%	3,058
	Magnesium(Mg)	7439-95-4	0.003000	0.07%	706
	Nickel(Ni)	7440-02-0	0.082000	1.93%	19,289
	Gold(Au)	7440-57-5	0.001000	0.02%	235
	Silver (Ag)	7440-22-4	0.000000	0.00%	0
	Palladium(Pd)	7440-05-3	0.001000	0.02%	235
	Copper (Cu)	7440-50-8	1.741000	40.95%	409,533
Die Attach	Silver	7440-22-4	0.199000	4.68%	46,810
	Bismaleimide Monomer	Trade Secret	0.007000	0.16%	1,647
	Acrylate Monomer	Trade Secret	0.007000	0.16%	1,647
	Acrylate Monomer	Trade Secret	0.007000	0.16%	1,647
	Acrylate Monomer	Trade Secret	0.007000	0.16%	1,647
Gold Wire	Gold(Au)	7440-57-5	0.060000	1.41%	14,114
Mold Compound	Epoxy Resin-1	Trade Secret	0.056000	1.32%	13,173
	Epoxy Resin-2	Trade Secret	0.032000	0.75%	7,527
	Phenol Resin	Trade Secret	0.056000	1.32%	13,173
	Fused Silica	60676-86-0	1.281000	30.13%	301,328
	Carbon Black	1333-86-4	0.003000	0.07%	706
	Metal Hydroxide	Trade Secret	0.088000	2.07%	20,700
	Others	Trade Secret	0.080000	1.88%	18,818
<b>Total Weight (mg)</b>			<b>4.251186</b>	<b>100.00%</b>	<b>1,000,000</b>