

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42694
<b>Ordering Codes:</b>	PE42694DIBEA-Z, PE42694DIBDA-Z
<b>Description:</b>	SP9T UltraCMOS 2.75 V Switch 100-3000 MHz, +68 dBm IIP3
<b>Package:</b>	Flip Chip
<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>Solder Bump</b>	SnAgCu Alloy
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	1.1842466	92.19%	921,853
	Silicon (Si)	7440-21-3	0.0003931	0.03%	306
	Arsenic (As)	7440-38-2	0.0000019	0.00%	1
	Boron (B)	7440-42-8	0.0000005	0.00%	0
	Phosphorous (P)	7723-14-0	0.0001322	0.01%	103
	Titanium (Ti)	7440-32-6	0.0000453	0.00%	35
	Tungsten (W)	7440-33-7	0.0000035	0.00%	3
	Copper (Cu)	7440-50-8	0.0000061	0.00%	5
	Aluminum (Al)	7429-90-5	0.0019715	0.15%	1,535
	Cobalt (Co)	7440-48-4	0.0000000	0.00%	0
<b>Solder Bumps</b>					
	Tin (Sn)	7440-31-5	0.09341742	7.27%	72,719
	Silver (Ag)	7440-22-4	0.00342368	0.27%	2,665
	Copper (Cu)	7440-50-8	0.00097819	0.08%	761
	BCB	694-87-1	0.000016	0.00%	12
<b>UBM</b>					
	Aluminum (Al)	7429-90-5	0.000000	0.00%	0
		7440-02-0			
	Nickel -7% Vanadium (Ni-7%V)	7440-62-2	0.000000	0.00%	0
	Copper (Cu)	7440-50-8	0.000001	0.00%	0
<b>Total Weight (mg)</b>			<b>1.284637</b>	100%	1,000,000