

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4273
<b>Ordering Codes:</b>	4273-01, 4273-02, 4273-51, 4273-52
<b>Description:</b>	SPDT Broadband UltraCMOS DC - 3GHz RF Switch
<b>Package:</b>	6L SC-70
<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>	100% Matte Tin
<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	0.258116	4.09%	40,906
	Silicon (Si)	7440-21-3	0.000086	0.00%	14
	Arsenic (As)	7440-38-2	0.000000	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000029	0.00%	5
	Titanium (Ti)	7440-32-6	0.000010	0.00%	2
	Tungsten (W)	7440-33-7	0.000001	0.00%	0
	Copper (Cu)	7440-50-8	0.000001	0.00%	0
	Aluminum (Al)	7429-90-5	0.000430	0.01%	68
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	2.828800	44.83%	448,306
	Iron (Fe)	7439-89-6	0.068200	1.08%	10,808
	Zinc (Zn)	7440-66-6	0.003500	0.06%	555
	Phosphorus (P)	7723-14-0	0.000900	0.01%	143
	Silver (Ag)	7440-22-4	0.041800	0.66%	6,624
Die Attach	Silver (Ag)	7440-22-4	0.040700	0.65%	6,450
	Epoxy Resin	9003-36-5	0.008100	0.13%	1,284
	1,4-Bis (2,3-epoxypropoxy) Butane	2425-79-8	0.002700	0.04%	428
	Aromatic Amine	Proprietary	0.002700	0.04%	428
Gold Wire	Gold (Au)	7440-57-5	0.050200	0.80%	7,956
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.224300	3.55%	35,547
Mold Compound	Silica Fused	60676-86-0	2.458900	38.97%	389,685
	Epoxy Resin	Trade secret	0.170200	2.70%	26,973
	Phenol Resin	Trade secret	0.141800	2.25%	22,472
	Carbon Black	1333-86-4	0.008500	0.13%	1,347
<b>Total Weight (mg)</b>			<b>6.309973</b>	100.00%	1,000,000