

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4272
<b>Ordering Codes:</b>	4272-51; 4272-52
<b>Description:</b>	Reflective SPDT Broadband Switch - 75 Ohm
<b>Package:</b>	8L MSOP
<b>RoHS Compliant</b>	Yes
<b>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire:	1344-28-1	0.219696	0.88%	8,776
	Silicon	7440-21-3	0.000047	0.00%	2
	Silicon Dioxide	7631-86-9	0.001190	0.00%	48
	Silicon Nitride	12033-89-5	0.000643	0.00%	26
	Tungsten Silicide	12039-88-2	0.000052	0.00%	2
	Titanium	7440-33-6	0.000059	0.00%	2
	Titanium Nitride	25583-20-4	0.000164	0.00%	7
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.000768	0.00%	31
	Arsenic	7440-38-2	0.000000	0.00%	0
	Boron	7440-42-8	0.000028	0.00%	1
	Phosphorous	7723-14-0	0.000024	0.00%	1
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	9.822074	39.24%	392,352
	Silver (Ag)	7440-57-5	0.041767	0.17%	1,668
	Iron (Fe)	7439-89-6	0.237957	0.95%	9,505
	Zinc (Zn)	7440-66-6	0.012657	0.05%	506
	Phosphorus (P)	7723-14-0	0.008354	0.03%	334
	Lead (Pb)	7439-92-1	0.003038	0.01%	121
Die Attach	Silver (70 - 85)	7440-22-4	0.22088	0.88%	8,823
	Epoxy Resin (5 - 25)	Proprietary	0.04275	0.17%	1,708
	Aromatic Amine (1 - 10)	Proprietary	0.01568	0.06%	626
Gold Wire	Au	7440-57-5	0.10449	0.42%	4,174
	Ag	7440-22-4	0.00003	0.00%	1
	Cu	7440-50-8	0.00003	0.00%	1
	Fe	7439-89-6	0.00005	0.00%	2
	Mg	7439-95-4	0.00003	0.00%	1
	Ca	7440-70-2	0.00003	0.00%	1
	Be	7440-41-7	0.00013	0.00%	5
	Sn	7440-31-5	0.84854	3.39%	33,896
100% Matte Tin Lead Finish					
Mold Compound	Silica Fused (75 - 95)	60676-86-0	12.21210	46.96%	469,447
	Epoxy Resin (2 - 8)	Trade secret	0.69130	2.76%	27,615
	Epoxy, Cresol Novolac (1 - 3)	29690-82-2	0.27652	1.10%	11,046
	Phenol Resin (2 - 8)	Trade secret	0.69130	2.76%	27,615
	Carbon Black (0.1 - 0.5)	1333-86-4	0.04148	0.17%	1,657
<b>Total Weight (mg)</b>			<b>25.493858</b>	<b>100.00%</b>	<b>1,000,000</b>