

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4272
<b>Ordering Codes:</b>	4272-51; 4272-52
<b>Description:</b>	Reflective SPDDT Boradband Switch - 75 Ohm
<b>Package:</b>	8L MSOP
<b>RoHS Compliant</b>	Yes
<b>Lead Finish</b>	100% Matt Tin
<b>Peak Reflow Temp</b>	260 degree C
<b>Time at Peak Temp</b>	20 Sec
<b>Max No. of Reflow</b>	Three
<b>Availability</b>	October-05

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 401114	Cu	7440-50-8	9.50297	37.96%	379,605
	Ni	7440-02-0	0.29635	1.18%	11,838
	Si	7440-21-3	0.06421	0.26%	2,565
	Mg	7439-95-4	0.01482	0.06%	592
	Ag <sup>(B)</sup>	7440-22-4	0.24750	0.99%	9,887
Die attach material	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