

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4245
<b>Ordering Codes:</b>	4245-51; 4245-52
<b>Description:</b>	Reflective SPDT Switch
<b>Package:</b>	6L 3X3 DFN
<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>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire:	1344-28-1	0.525042	2.70%	26,995
	Silicon:	7440-21-3	0.000052	0.00%	3
	Silicon Dioxide:	7631-86-9	0.002090	0.01%	107
	Silicon Nitride:	12033-89-5	0.001210	0.01%	62
	Tungsten Silicide:	12039-88-2	0.000053	0.00%	3
	Titanium:	7440-33-6	0.000058	0.00%	3
	Titanium Nitride:	25583-20-4	0.000155	0.00%	8
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.000761	0.00%	39
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000048	0.00%	2
	Phosphorous:	7723-14-0	0.000044	0.00%	2
<b>Package</b>					
Leadframe	Nickel (Ni):	7440-02-0	1.904365	9.79%	97,913
	Iron (Fe):	7439-89-6	2.528447	13.00%	130,001
	Cobalt (Co):	7440-48-4	0.022944	0.12%	1,180
	Carbon (C):	-	0.002294	0.01%	118
	Silicon (Is):	7440-21-3	0.013766	0.07%	708
	Manganese (Mn):	7439-96-5	0.036711	0.19%	1,887
	Phosphorus (P):	7723-14-0	0.001147	0.01%	59
	Sulfur (S):	-	0.001147	0.01%	59
	Chromium (Cr):	7440-47-3	0.004589	0.02%	236
	Aluminium (Al):	7429-90-5	0.004589	0.02%	236