

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4237
<b>Ordering Codes:</b>	4237-51; 4237-52
<b>Description:</b>	Reflective SPDT RF Switch - 50 Ohm
<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	1.409119	6.93%	69,280
	Silicon:	7440-21-3	0.000135	0.00%	7
	Silicon Dioxide:	7631-86-9	0.004594	0.02%	226
	Silicon Nitride:	12033-89-5	0.002687	0.01%	132
	Tungsten Silicide:	12039-88-2	0.000173	0.00%	9
	Titanium:	7440-33-6	0.000154	0.00%	8
	Titanium Nitride:	25583-20-4	0.000422	0.00%	21
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.002047	0.01%	101
	Arsenic:	7440-38-2	0.000001	0.00%	0
	Boron:	7440-42-8	0.000105	0.00%	5
	Phosphorous:	7723-14-0	0.000095	0.00%	5
<b>Package</b>					
Leadframe	Nickel (Ni):	7440-02-0	1.904365	9.36%	93,629
	Iron (Fe):	7439-89-6	2.528447	12.43%	124,312
	Cobalt (Co):	7440-48-4	0.022944	0.11%	1,128
	Carbon (C):	-	0.002294	0.01%	113
	Silicon (Is):	7440-21-3	0.013766	0.07%	677
	Manganese (Mn):	7439-96-5	0.036711	0.18%	1,805
	Phosphorus (P):	7723-14-0	0.001147	0.01%	56
	Sulfur (S):	-	0.001147	0.01%	56
	Chromium (Cr):	7440-47-3	0.004589	0.02%	226
	Aluminium (Al):	7429-90-5	0.004589	0.02%	226