

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4244
Ordering Codes:	4244-51; 4244-52
Description:	Reflective SPDT Switch
Package:	8L MSOP
RoHS Compliant	Yes
Lead Finish	100% Matt Tin
Peak Reflow Temp	260 degree C
Time at Peak Temp	20 Sec
Max No. of Reflow	Three
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.525042	2.07%	20,719
	Silicon:	7440-21-3	0.000052	0.00%	2
	Silicon Dioxide:	7631-86-9	0.002090	0.01%	82
	Silicon Nitride:	12033-89-5	0.001210	0.00%	48
	Tungsten Silicide:	12039-88-2	0.000053	0.00%	2
	Titanium:	7440-33-6	0.000058	0.00%	2
	Titanium Nitride:	25583-20-4	0.000155	0.00%	6
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.000761	0.00%	30
	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
Package					
Leadframe 401114	Cu	7440-50-8	9.50297	37.50%	375,009
	Ni	7440-02-0	0.29635	1.17%	11,695
	Si	7440-21-3	0.06421	0.25%	2,534
	Mg	7439-95-4	0.01482	0.06%	585
	Ag ^(B)	7440-22-4	0.24750	0.98%	9,767
Die attach material	Silver (70 - 85)	7440-22-4	0.22088	0.87%	8,716
	Epoxy Resin (5 - 25)	Proprietary	0.04275	0.17%	1,687
	Aromatic Amine (1 - 10)	Proprietary	0.01568	0.06%	619
Gold Wire	Au	7440-57-5	0.10449	0.41%	4,123
	Ag	7440-22-4	0.00003	0.00%	1