

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% Matte Tin
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	0.01%	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	Copper (Cu)	7440-50-8	9.822074	38.76%	387,601
	Silver (Ag)	7440-57-5	0.041767	0.16%	1,648
	Iron (Fe)	7439-89-6	0.237957	0.95%	9,390
	Zinc (Zn)	7440-66-6	0.012657	0.05%	499
	Phosphorus (P)	7723-14-0	0.008354	0.03%	330
	Lead (Pb)	7439-92-1	0.003038	0.01%	120
Die Attach	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
	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
100% Matte Tin Lead Finish	Sn	7440-31-5	0.84854	3.35%	33,485
Mold Compound	Silica Fused (75 - 95)	60676-86-0	11.75210	46.38%	463,767
	Epoxy Resin (2 - 8)	Trade secret	0.69130	2.73%	27,280
	Epoxy, Cresol Novolac (1 - 3)	29690-82-2	0.27652	1.09%	10,912
	Phenol Resin (2 - 8)	Trade secret	0.69130	2.73%	27,280
	Carbon Black (0.1- 0.5)	1333-86-4	0.04148	0.16%	1,637
Total Weight (mg)			25.340700	100.00%	1,000,000