

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4245
Ordering Codes:	4245-51; 4245-52
Description:	Reflective SPDT Switth
Package:	6L 3X3 DFN
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.525042	2.68%	26,837
	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
Package					
Leadframe	Copper (Cu)	7440-50-8	4.495674	22.98%	229,791
	Silver (Ag)	7440-57-5	0.019118	0.10%	977
	Iron (Fe)	7439-89-6	0.108915	0.56%	5,567
	Zinc (Zn)	7440-66-6	0.005793	0.03%	296
	Phosphorus (P)	7723-14-0	0.003824	0.02%	195
	Lead (Pb)	7439-92-1	0.001390	0.01%	71
Die Attach	Epoxy Resin (5 - 25)	Proprietary	0.264000	1.35%	13,494
	Silver (70 - 85)	7440-22-4	0.033000	0.17%	1,687
	Aromatic Amine (1 - 10)	Proprietary	0.033000	0.17%	1,687
Gold Wire	Au	7440-57-5	0.169983	0.87%	8,688
100% Matte Tin Lead Finish	Sn	7440-31-5	0.300000	1.53%	15,334
Encapsulation G600	Silica Fused	7631-86-9	11.736040	59.99%	599,873
	Epoxy Resin	-	0.690355	3.53%	35,287
	Epoxy, Cresol Novolac	1309-64-4	0.276142	1.41%	14,115
	Carbon Black	1333-86-4	0.207107	1.06%	10,586
	Phenol resin	-	0.690355	3.52%	35,286
Total Weight (mg)			19.564209	100.00%	1,000,000