

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4239
Ordering Codes:	4239-51; 4239-52
Description:	Reflective SPDT Switch
Package:	6L SC70
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.525042	7.90%	79,111
	Silicon	7440-21-3	0.000052	0.00%	8
	Silicon Dioxide	7631-86-9	0.002090	0.03%	315
	Silicon Nitride	12033-89-5	0.001210	0.02%	182
	Tungsten Silicide	12039-88-2	0.000053	0.00%	8
	Titanium	7440-33-6	0.000058	0.00%	9
	Titanium Nitride	25583-20-4	0.000155	0.00%	23
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.000761	0.01%	115
	Arsenic	7440-38-2	0.000000	0.00%	0
	Boron	7440-42-8	0.000048	0.00%	7
	Phosphorous	7723-14-0	0.000044	0.00%	7
Package					
Leadframe 401990	Copper (Cu)	7440-50-8	2.828814	42.62%	426,242
	Iron (Fe)	7439-89-6	0.068182	1.03%	10,274
	Zinc (Zn)	7440-66-6	0.003482	0.05%	525
	Phosphorus (P)	7723-14-0	0.000870	0.01%	131
	Ag (weight estimate)	7440-22-4	0.041753	0.63%	6,291
Die Attach	Silver (70 - 85)	7440-22-4	0.042902	0.65%	6,464
	Epoxy Resin (5 - 25)	Proprietary	0.008304	0.13%	1,251
	Aromatic Amine (1 - 10)	Proprietary	0.003045	0.05%	459
Gold Wire	Au	7440-57-5	0.050193	0.76%	7,563
	Ag	7440-22-4	0.000007	0.00%	1
	Cu	7440-50-8	0.000007	0.00%	1
	Fe	7439-89-6	0.000013	0.00%	2
	Mg	7439-95-4	0.000007	0.00%	1
	Ca	7440-70-2	0.000007	0.00%	1
	Be	7440-41-7	0.000033	0.00%	5
100% Matte Tin Lead Finish	Sn	7440-31-5	0.223400	3.37%	33,662
Mold Compound	Silica Fused	60676-86-0	2.632591	37.33%	373,320
	Epoxy Resin	Trade secret	0.145741	2.20%	21,960
	Epoxy, Cresol Novolac	29690-82-2	0.058296	0.88%	8,784
	Phenol Resin	Trade secret	0.145741	2.20%	21,960
	Carbon Black	1333-86-4	0.008744	0.13%	1,318
Total Weight (mg)			6.791645	100.00%	1,000,000