

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4259
Ordering Codes:	4259-52; 4259-63
Description:	Reflective SPDT RF Switch - 50 Ohm
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	0.240531	3.79%	37,873
	Silicon	7440-21-3	0.000068	0.00%	11
	Silicon Dioxide	7631-86-9	0.001234	0.02%	194
	Silicon Nitride	12033-89-5	0.000723	0.01%	114
	Tungsten Silicide	12039-88-2	0.000087	0.00%	14
	Titanium	7440-33-6	0.000066	0.00%	10
	Titanium Nitride	25583-20-4	0.000184	0.00%	29
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.000874	0.01%	138
	Arsenic	7440-38-2	0.000000	0.00%	0
	Boron	7440-42-8	0.000028	0.00%	4
	Phosphorous	7723-14-0	0.000026	0.00%	4
Package					
Leadframe 401990	Copper (Cu)	7440-50-8	2.828814	44.54%	445,416
	Iron (Fe)	7439-89-6	0.068182	1.07%	10,736
	Zinc (Zn)	7440-66-6	0.003482	0.05%	548
	Phosphorus (P)	7723-14-0	0.000870	0.01%	137
	Ag (weight estimate)	7440-22-4	0.041753	0.66%	6,574
Die Attach	Silver (70 - 85)	7440-22-4	0.042902	0.68%	6,755
	Epoxy Resin (5 - 25)	Proprietary	0.008304	0.13%	1,307
	Aromatic Amine (1 - 10)	Proprietary	0.003045	0.05%	479
Gold Wire	Au	7440-57-5	0.050193	0.79%	7,903
	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	3.52%	35,176
Mold Compound	Silica Fused (75-95)	60676-86-0	3.275091	39.01%	390,113
	Epoxy Resin (2-8)	Trade secret	0.015741	2.29%	22,948
	Epoxy, Cresol Novolac (1-3)	29690-82-2	0.058296	0.92%	9,179
	Phenol Resin (2-8)	Trade secret	0.145741	2.29%	22,948
	Carbon Black (0.1-0.5)	1333-86-4	0.008744	0.16%	1,379
Total Weight (mg)			7.018453	100.00%	1,000,000