

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4283
Ordering Codes:	4283-51; 4283-52
Description:	Reflective SPDT Switch - 50 Ohm
Package:	6L SC70
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	October-05

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.219696	3.47%	34,708
	Silicon	7440-21-3	0.000047	0.00%	7
	Silicon Dioxide	7631-86-9	0.001190	0.02%	188
	Silicon Nitride	12033-89-5	0.000643	0.01%	102
	Tungsten Silicide	12039-88-2	0.000052	0.00%	8
	Titanium	7440-33-6	0.000059	0.00%	9
	Titanium Nitride	25583-20-4	0.000164	0.00%	26
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.000768	0.01%	121
	Arsenic	7440-38-2	0.000000	0.00%	0
	Boron	7440-42-8	0.000028	0.00%	4
	Phosphorous	7723-14-0	0.000024	0.00%	4
Package					
Leadframe 401990	Copper (Cu)	7440-50-8	2.828814	44.69%	446,904
	Iron (Fe)	7439-89-6	0.068182	1.08%	10,772
	Zinc (Zn)	7440-66-6	0.003482	0.06%	550
	Phosphorus (P)	7723-14-0	0.000870	0.01%	138
	Ag (weight estimate)	7440-22-4	0.041753	0.66%	6,596
Die Attach	Silver (70 - 85)	7440-22-4	0.042902	0.68%	6,778
	Epoxy Resin (5 - 25)	Proprietary	0.008304	0.13%	1,312
	Aromatic Amine (1 - 10)	Proprietary	0.003045	0.05%	481
Gold Wire	Au	7440-57-5	0.050193	0.79%	7,930
	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	3.53%	35,293
Mold Compound	Silica Fused (75-95)	60676-86-0	2.918591	39.14%	391,417
	Epoxy Resin (2-8)	Trade secret	0.145741	2.30%	23,025
	Epoxy, Cresol Novolac (1-3)	29690-82-2	0.058296	0.92%	9,210
	Phenol Resin (2-8)	Trade secret	0.145741	2.30%	23,025
	Carbon Black (0.1-0.5)	1333-86-4	0.008744	0.15%	1,381
Total Weight (mg)			6.770803	100.00%	1,000,000