

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4268
Ordering Codes:	4268-51; 4268-52
Description:	SP6T Cellular Handset Switch - 50 Ohm
Package:	20L 4X4 QFN
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	1.480560	3.39%	33,877
	Silicon	7440-21-3	0.000314	0.00%	7
	Silicon Dioxide	7631-86-9	0.004700	0.01%	108
	Silicon Nitride	12033-89-5	0.002793	0.01%	64
	Tungsten Silicide	12039-88-2	0.000396	0.00%	9
	Titanium	7440-33-6	0.000221	0.00%	5
	Titanium Nitride	25583-20-4	0.000686	0.00%	16
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.002836	0.01%	65
	Arsenic	7440-38-2	0.000002	0.00%	0
	Boron	7440-42-8	0.000109	0.00%	2
	Phosphorous	7723-14-0	0.000098	0.00%	2
Package					
Leadframe 421950	Copper (Cu)	7440-50-8	13.837525	31.66%	316,621
	Iron (Fe)	7439-89-6	0.333520	0.76%	7,631
	Zinc (Zn)	7440-66-6	0.017031	0.04%	390
	Phosphorus (P)	7723-14-0	0.004258	0.01%	97
	Ag (weight estimate)	7440-22-4	0.168000	0.38%	3,844
Die Attach	Silver (65 - 85)	7440-22-4	0.129812	0.30%	2,970
	Epoxy Resin (15 - 25)	9003-36-5	0.034617	0.08%	792
	t-Butyl phenyl glycidyl ether (5-10)	3101-60-8	0.012981	0.03%	297
	Phenolic harder (1-2)	92-88-6	0.002596	0.01%	59
	Butyl cellosolve acetate (0.5-1.5)	112-07-2	0.001731	0.00%	40
Gold Wire	Au	7440-57-5	0.260500	0.60%	5,961
	Ag	7440-22-4	0.000045	0.00%	1
	Cu	7440-50-8	0.000045	0.00%	1
	Fe	7439-89-6	0.000090	0.00%	2
	Mg	7439-95-4	0.000045	0.00%	1
	Ca	7440-70-2	0.000045	0.00%	1
	Be	7440-41-7	0.000224	0.00%	5
100% Matte Tin Lead Finish	Sn	7440-31-5	0.788200	1.80%	18,035
Mold Compound	Silica Fused (75-95)	60676-86-0	23.569551	53.93%	539,305
	Epoxy Resin (1-5)	Trade secret	1.941022	4.44%	44,413
	Phenol Resin (1-5)	Trade secret	0.970511	2.22%	22,207
	Carbon Black (0.1-0.5)	1333-86-4	0.138644	0.32%	3,172
Total Weight (mg)			43.703708	100.00%	1,000,000