

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE42742
<b>Ordering Codes:</b>	42742-51; 42742-52; PE42742MLIBA; PE42742MLIBA-Z
<b>Description:</b>	SPDT CATV UltraCMOS Switch
<b>Package:</b>	20L 4X4 QFN
<b>RoHS Compliant</b>	Yes
<b>Lead Finish</b>	100% Matte Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire:	1344-28-1	1.009661	2.33%	23,348
	Silicon	7440-21-3	0.000285	0.00%	7
	Silicon Dioxide	7631-86-9	0.005180	0.01%	120
	Silicon Nitride	12033-89-5	0.003035	0.01%	70
	Tungsten Silicide	12039-88-2	0.000365	0.00%	8
	Titanium	7440-33-6	0.000277	0.00%	6
	Titanium Nitride	25583-20-4	0.000772	0.00%	18
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.003669	0.01%	85
	Arsenic	7440-38-2	0.000000	0.00%	0
	Boron	7440-42-8	0.000118	0.00%	3
	Phosphorous	7723-14-0	0.000109	0.00%	3
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	13.837525	32.00%	319,991
	Iron (Fe)	7439-89-6	0.333520	0.77%	7,713
	Zinc (Zn)	7440-66-6	0.017031	0.04%	394
	Phosphorus (P)	7723-14-0	0.004258	0.01%	98
	Ag (weight estimate)	7440-22-4	0.168000	0.39%	3,885
Die Attach	Silver (65 - 85)	7440-22-4	0.129812	0.30%	3,002
	Epoxy Resin (15 - 25)	9003-36-5	0.034617	0.08%	801
	t-Butyl phenyl glycidyl ether (5-10)	3101-60-8	0.021981	0.05%	508
	Phenolic harder (1-2)	92-88-6	0.002596	0.01%	60
Gold Wire	Butyl cellosolve acetate (0.5-1.5)	112-07-2	0.001731	0.00%	40
	Au	7440-57-5	0.260500	0.60%	6,024
	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
100% Matte Tin Lead Finish	Be	7440-41-7	0.000224	0.00%	5
	Sn	7440-31-5	0.788200	1.82%	18,227
Mold Compound	Silica Fused (75-95)	60676-86-0	23.569551	54.52%	545,043
	Epoxy Resin (1-5)	Trade secret	1.941022	4.49%	44,886
	Phenol Resin (1-5)	Trade secret	0.970511	2.24%	22,443
	Carbon Black (0.1-0.5)	1333-86-4	0.138644	0.32%	3,206
<b>Total Weight (mg)</b>			<b>43.243464</b>	<b>100.00%</b>	<b>1,000,000</b>