

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4237
Ordering Codes:	4237-51, 4237-52
Description:	SPDT UltraCMOS RF Switch DC - 4000 MHz
Package:	6L DFN
Environmental Compliance	EU RoHS Directive 2002/95/EC, REACH - EU ECHA SVHC, Arsenic Free , JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	0.725881	3.39%	33,941
	Silicon (Si)	7440-21-3	0.000241	0.00%	11
	Arsenic (As)	7440-38-2	0.000001	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000081	0.00%	4
	Titanium (Ti)	7440-32-6	0.000028	0.00%	1
	Tungsten (W)	7440-33-7	0.000002	0.00%	0
	Copper (Cu)	7440-50-8	0.000004	0.00%	0
	Aluminum (Al)	7429-90-5	0.001208	0.01%	57
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	7.795600	36.45%	364,506
	Iron (Fe)	7439-89-6	0.187900	0.88%	8,786
	Zinc (Zn)	7440-66-6	0.009600	0.04%	449
	Phosphorus (P)	7723-14-0	0.002400	0.01%	112
	Silver (Ag)	7440-22-4	0.178500	0.83%	8,346
Die Attach	Silver (Ag)	7440-22-4	0.199900	0.93%	9,347
	Epoxy Resin	9003-36-5	0.050000	0.23%	2,338
	t-Butyl phenyl glycidyl ether	3101-60-8	0.020800	0.10%	973
	Phenolic harder	92-88-6	0.004200	0.02%	196
	Butyl cellosolve acetate	112-07-2	0.002800	0.01%	131
Gold Wire	Gold (Au)	7440-57-5	0.088500	0.41%	4,138
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.114900	0.54%	5,372
Mold Compound	Silica Fused	60676-86-0	11.007800	51.47%	514,702
	Epoxy Resin	Trade secret	0.480200	2.25%	22,453
	Phenol Resin	Trade secret	0.480200	2.25%	22,453
	Carbon Black	1333-86-4	0.036000	0.17%	1,683
Total Weight (mg)			21.386746	100.00%	1,000,000