

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4242
Ordering Codes:	4242-51, 4242-52
Description:	SPDT UltraCMOS RF Switch
Package:	6L SC-70
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	0.302938	4.77%	47,670
	Silicon (Si)	7440-21-3	0.000101	0.00%	16
	Arsenic (As)	7440-38-2	0.000000	0.00%	0
	Boron (B)	7440-42-8	0.000000	0.00%	0
	Phosphorous (P)	7723-14-0	0.000034	0.00%	5
	Titanium (Ti)	7440-32-6	0.000012	0.00%	2
	Tungsten (W)	7440-33-7	0.000001	0.00%	0
	Copper (Cu)	7440-50-8	0.000002	0.00%	0
	Aluminum (Al)	7429-90-5	0.000504	0.01%	79
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	2.828800	44.51%	445,137
	Iron (Fe)	7439-89-6	0.068200	1.07%	10,732
	Zinc (Zn)	7440-66-6	0.003500	0.06%	551
	Phosphorus (P)	7723-14-0	0.000900	0.01%	142
	Silver (Ag)	7440-22-4	0.041800	0.66%	6,578
Die Attach	Silver (Ag)	7440-22-4	0.040700	0.64%	6,405
	Epoxy Resin	9003-36-5	0.008100	0.13%	1,275
	1,4-Bis (2,3-epoxypropoxy) Butane	2425-79-8	0.002700	0.04%	425
	Aromatic Amine	Proprietary	0.002700	0.04%	425
Gold Wire	Gold (Au)	7440-57-5	0.050200	0.79%	7,899
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.224300	3.53%	35,296
Mold Compound	Silica Fused	60676-86-0	2.458900	38.69%	386,930
	Epoxy Resin	Trade secret	0.170200	2.68%	26,783
	Phenol Resin	Trade secret	0.141800	2.23%	22,314
	Carbon Black	1333-86-4	0.008500	0.13%	1,338
Total Weight (mg)			6.354892	100.00%	1,000,000