

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42552
Ordering Codes:	PE42552MLIB, PE42552MLIB-Z
Description:	SPDT UltraCMOS RF Switch DC - 7500 MHz
Package:	16L 3X3 QFN
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	0.673626	3.50%	34,982
	Silicon (Si)	7440-21-3	0.000224	0.00%	12
	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	0.000075	0.00%	4
	Titanium (Ti)	7440-32-6	0.000026	0.00%	1
	Tungsten (W)	7440-33-7	0.000002	0.00%	0
	Copper (Cu)	7440-50-8	0.000003	0.00%	0
	Aluminum (Al)	7429-90-5	0.001121	0.01%	58
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	4.921000	25.56%	255,550
	Iron (Fe)	7439-89-6	0.118600	0.62%	6,159
	Zinc (Zn)	7440-66-6	0.006100	0.03%	317
	Phosphorus (P)	7723-14-0	0.001500	0.01%	78
	Silver (Ag)	7440-22-4	0.152200	0.79%	7,904
Die Attach	Silver (Ag)	7440-22-4	0.245400	1.27%	12,744
	Epoxy Resin	9003-36-5	0.061300	0.32%	3,183
	t-Butyl phenyl glycidyl ether	3101-60-8	0.025600	0.13%	1,329
	Phenolic hardener	92-88-6	0.005100	0.03%	265
	Butyl cellosolve acetate	112-07-2	0.003400	0.02%	177
Gold Wire	Gold (Au)	7440-57-5	0.125500	0.65%	6,517
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.166300	0.86%	8,636
Mold Compound	Silica Fused	60676-86-0	11.691200	60.71%	607,131
	Epoxy Resin	Trade secret	0.510000	2.65%	26,485
	Phenol Resin	Trade secret	0.510000	2.65%	26,485
	Carbon Black	1333-86-4	0.038200	0.20%	1,984
Total Weight (mg)			19.256479	100.00%	1,000,000