

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE423422
Ordering Codes:	PE423422A-Z
Description:	UltraCMOS® SPDT RF Switch, 100 – 6000 MHz
Package:	12L 2X2 QFN
Environmental Compliance	EU RoHS2 Directive 2011/65/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	NiPdAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	0.549679	7.81%	78,090
Package					
Leadframe	Copper (Cu)	7440-50-8	2.764500	39.27%	392,736
	Iron (Fe)	7439-89-6	0.066600	0.95%	9,461
	Zinc (Zn)	7440-66-6	0.003400	0.05%	483
	Phosphorus (P)	7723-14-0	0.000900	0.01%	128
Die Attach	Silver (Ag)	7440-22-4	0.050900	0.72%	7,231
	Epoxy Resin	9003-36-5	0.012700	0.18%	1,804
	t-Butyl phenyl glycidyl ether	3101-60-8	0.005300	0.08%	753
	Phenolic hardener	92-88-6	0.001100	0.02%	156
	Butyl cellosolve acetate	112-07-2	0.000700	0.01%	99
Gold Wire	Gold (Au)	7440-57-5	0.080500	1.14%	11,436
Internal Plating	Nickel (Ni)	7440-02-0	0.011500	0.16%	1,634
	Palladium (Pd)	7440-05-3	0.000900	0.01%	128
	Gold (Au)	7440-57-5	0.000000	0.00%	0
External Plating	Nickel (Ni)	7440-02-0	0.015300	0.22%	2,174
	Palladium (Pd)	7440-05-3	0.001200	0.02%	170
	Gold (Au)	7440-57-5	0.000000	0.00%	0
Mold Compound	Silica Fused	60676-86-0	3.185500	45.25%	452,545
	Epoxy Resin	Trade secret	0.139000	1.97%	19,747
	Phenol Resin	Trade secret	0.139000	1.97%	19,747
	Carbon Black	1333-86-4	0.010400	0.15%	1,477
Total Weight (mg)			7.039079	100.00%	1,000,000