

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42427
Ordering Codes:	PE42427A-Z
Description:	UltraCMOS® SPDT RF Switch, 5 – 6000 MHz
Package:	12 L 2X2 QFN
Environmental Compliance	EU RoHS 2 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					
Die	Aluminum oxide	1344-28-1	0.542130	7.70%	77,016
	Aluminum	7429-90-5	0.001649	0.02%	234
	Silicon	7440-21-3	0.000110	0.00%	16
	Arsenic*	7440-38-2	0.000001	0.00%	0
	Boron*	7440-42-8	0.000000	0.00%	0
	Phosphorous*	7723-14-0	0.000002	0.00%	0
	Titanium	7440-32-6	0.000275	0.00%	39
	Tungsten	7440-33-7	0.005497	0.08%	781
	Cobalt	7440-48-4	0.000011	0.00%	2
	Copper	7440-50-8	0.000004	0.00%	1
Package					
Leadframe	Copper	7440-50-8	2.764500	39.27%	392,732
	Iron	7439-89-6	0.066600	0.95%	9,461
	Zinc	7440-66-6	0.003400	0.05%	483
	Phosphorus	7723-14-0	0.000900	0.01%	128
Plating	Nickel	7440-02-0	0.026800	0.38%	3,807
	Palladium	7440-05-3	0.002100	0.03%	298
	Gold	7440-57-5	0.000080	0.00%	11
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
Wire	Butyl cellosolve acetate	112-07-2	0.000700	0.01%	99
	Gold	7440-57-5	0.080500	1.14%	11,436
Mold Compound	Silica Fused	60676-86-0	3.185500	45.25%	452,540
	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)			7.039159	100.00%	1,000,000

Note: * signifies concentrations are in the PPB concentration (Parts Per Billion) range, which is less than PPM (Parts Per Million)