

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42420
Ordering Codes:	PE42420C-Z, PE42420D-Z
Description:	UltraCMOS® SPDT RF Switch 100 – 4000 MHz
Package:	20-lead 4x4 mm LGA
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					
Die	Aluminum oxide	1344-28-1	1.272623	4.24%	42,359
	Silicon	7440-21-3	0.000422	0.00%	14
	Arsenic*	7440-38-2	0.000002	0.00%	0
	Boron*	7440-42-8	0.000001	0.00%	0
	Phosphorus	7723-14-0	0.000142	0.00%	5
	Titanium	7440-32-6	0.000049	0.00%	2
	Tungsten*	7440-33-7	0.000004	0.00%	0
	Copper*	7440-50-8	0.000007	0.00%	0
	Aluminum	7429-90-5	0.002119	0.01%	71
Package					
Laminate	Laminate	Trade secret	3.360000	11.18%	111,838
	Solder mask	Trade secret	1.410000	4.69%	46,932
	Copper	7440-66-6	1.710000	5.69%	56,917
	Nickel	7440-02-0	0.570000	1.90%	18,972
	Palladium	7440-05-3	0.008194	0.03%	273
	Gold	7440-57-5	0.120000	0.40%	3,994
Solder	Tin	7440-31-5	0.183000	0.61%	6,091
	Copper	7440-22-4	0.001000	0.00%	33
	Silver	7440-22-4	0.006000	0.02%	200
Mold Compound	Biphenyl resin	Trade secret	2.900000	9.65%	96,527
	Silica Fused	60676-86-0	18.500000	61.58%	615,773
Total Weight (mg)			30.043563	1.0000000	1,000,000

Note: * Amount concentrations are in parts per billion (PPB) range and therefore appear as zero in parts per million.