

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42540
Ordering Codes:	PE42540F-Z
Description:	UltraCMOS® SP4T RF Switch 10 Hz - 8 GHz, Absorptive
Package:	32L 5x5 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	Aluminum oxide	1344-28-1	1.628120	1.81%	18,102.13
Die	Aluminum	7429-90-5	0.004952	0.01%	55.06
Die	Silicon	7440-21-3	0.000330	0.00%	3.67
Die	Arsenic	7440-38-2	0.000002	0.00%	0.02
Die	Boron	7440-42-8	0.000002	0.00%	0.02
Die	Phosphorus	7723-14-0	0.000007	0.00%	0.07
Die	Titanium	7440-32-6	0.000825	0.00%	9.18
Die	Tungsten	7440-33-7	0.016508	0.02%	183.54
Die	Cobalt	7440-48-4	0.000033	0.00%	0.37
Die	Copper	7440-50-8	0.000013	0.00%	0.15
Molding Compound	Solid Epoxy Resin	Trade secret	3.622500	4.03%	40,276.50
Molding Compound	Phenol Resin	Trade secret	2.535750	2.82%	28,193.55
Molding Compound	Carbon Black	1333-86-4	0.362250	0.40%	4,027.65
Molding Compound	Metal Hydroxide	Trade secret	1.086750	1.21%	12,082.95
Molding Compound	Amorphous silica	60676-86-0	27.531000	30.61%	306,101.37
Molding Compound	Crystalline silica	14808-60-7	1.086750	1.21%	12,082.95
Laminate	Bismaleimide	105391-33-1	5.069440	5.64%	56,364.19
Laminate	Triazine resin	25722-66-1	5.069440	5.64%	56,364.19
Laminate	Epoxy resin	9003-36-5	5.069440	5.64%	56,364.19
Laminate	Inorganic Filler	21645-51-2	10.138880	11.27%	112,728.38
Laminate	Continuous Filament Fiber Glass	65997-17-3	10.138880	11.27%	112,728.38
Laminate	Copper	7440-50-8	15.208320	16.91%	169,092.57
Laminate	Nickel	7440-02-0	1.335000	1.48%	14,843.10
Laminate	Palladium	7440-05-3	0.022250	0.02%	247.38
Laminate	Gold	7440-57-5	0.013350	0.01%	148.43
Total Weight (mg)			89.940792	100.00%	1,000,000