

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42452
Ordering Codes:	PE42452A-Z
Description:	UltraCMOS® SP5T RF Switch 450–4000 MHz
Package:	24L 4x4 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	Aluminum oxide	1344-28-1	1.929624	4.83%	48,294.45
Die	Aluminum	7429-90-5	0.005869	0.01%	146.90
Die	Silicon	7440-21-3	0.000391	0.00%	9.79
Die	Arsenic	7440-38-2	0.000002	0.00%	0.05
Die	Boron	7440-42-8	0.000002	0.00%	0.05
Die	Phosphorus	7723-14-0	0.000008	0.00%	0.20
Die	Titanium	7440-32-6	0.000978	0.00%	24.48
Die	Tungsten	7440-33-7	0.019565	0.05%	489.67
Die	Cobalt	7440-48-4	0.000039	0.00%	0.98
Die	Copper	7440-50-8	0.000016	0.00%	0.39
Leadframe	Copper	7440-50-8	18.336300	45.89%	458,919.26
Leadframe	Iron	7439-89-6	0.432500	1.08%	10,824.57
Leadframe	Zinc	7440-66-6	0.028200	0.07%	705.79
Leadframe	Phosphorus	7723-14-0	0.005600	0.01%	140.16
Plating	Nickel	7440-02-0	0.124900	0.31%	3,125.99
Plating	Palladium	5/3/7440	0.010200	0.03%	255.28
Plating	Gold	7440-57-5	0.000400	0.00%	10.01
Wire	Gold	7440-57-5	0.440600	1.10%	11,027.30
Die Attach	Silver	7440-22-4	0.166800	0.42%	4,174.66
Die Attach	Epoxy Resin	9003-36-5	0.020900	0.05%	523.08
Die Attach	Diluent	26447-14-3	0.012500	0.03%	312.85
Die Attach	Dicyandiamide	461-58-5	0.002100	0.01%	52.56
Die Attach	Hardener	620-92-8	0.006300	0.02%	157.68
Molding Compound	Silica Fused	60676-86-0	16.883400	42.26%	422,556.21
Molding Compound	Epoxy Resin	Trade Secret	0.736500	1.84%	18,433.06
Molding Compound	Phenol Resin	Trade Secret	0.736500	1.84%	18,433.06
Molding Compound	Carbon Black	1333-86-4	0.055200	0.14%	1,381.54
Total Weight (mg)			39.955394	100.00%	1,000,000