

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42543
Ordering Codes:	PE42543A-X
Description:	UltraCMOS® SP4T RF Switch 9 kHz - 18 GHz
Package:	29L 4x4 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	NiAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	1.568703	5.33%	53,288
Package					
Mold Compound	Biphenyl resin	Trade secret	2.800000	9.51%	95,115
	Silica Fused (SiO ₂)	60676-86-0	18.100000	61.49%	614,852
Laminate	Laminate	Trade secret	3.000000	10.19%	101,909
	Solder Mask (SM)	Trade secret	1.400000	4.76%	47,558
	Copper (Cu)	7440-50-8	1.700000	5.77%	57,749
	Nickel (Ni)	7440-02-0	0.600000	2.04%	20,382
	Gold (Au)	7440-57-5	0.100000	0.34%	3,397
	SOP SAC305	-	0.040000	0.14%	1,359
Bump	Tin (Sn)	7440-31-5	0.116772	0.40%	3,967
	Silver (Ag)	7440-22-4	0.004280	0.01%	145
	Copper (Cu)	7440-50-8	0.001223	0.00%	42
UBM	Titanium (Ti)	7440-32-6	0.000000	0.00%	0
	Nickel (Ni)	7440-02-0	0.000000	0.00%	0
	Vanadium (V)	7440-62-2	0.000000	0.00%	0
	Copper (Cu)	7440-50-8	0.000000	0.00%	0
	Spheron	Proprietary	0.006990	0.02%	237
Total Weight (mg)			29.437967	100.00%	1,000,000