

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42823
Ordering Codes:	PE42823A-X
Description:	UltraCMOS High Power RF Switch
Package:	16L 3x3 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	1.140609	3.93%	39,277.05
Die	Aluminum	7429-90-5	0.003469	0.01%	119.47
Die	Silicon	7440-21-3	0.000231	0.00%	7.96
Die	Arsenic	7440-38-2	0.000001	0.00%	0.04
Die	Boron	7440-42-8	0.000001	0.00%	0.04
Die	Phosphorus	7723-14-0	0.000005	0.00%	0.16
Die	Titanium	7440-32-6	0.000578	0.00%	19.91
Die	Tungsten	7440-33-7	0.011565	0.04%	398.24
Die	Cobalt	7440-48-4	0.000023	0.00%	0.80
Die	Copper	7440-50-8	0.000009	0.00%	0.32
Leadframe	Copper	7440-50-8	18.356000	63.21%	632,091.65
Leadframe	Iron	7439-89-6	0.443000	1.53%	15,254.77
Leadframe	Zinc	7440-66-6	0.024000	0.08%	826.44
Leadframe	Phosphorus	7723-14-0	0.016000	0.06%	550.96
Plating	Nickel	7440-02-0	0.281000	0.97%	9,676.28
Plating	Palladium	7440-05-3	0.009000	0.03%	309.92
Plating	Gold	7440-57-5	0.001600	0.01%	55.10
Die Attach	Silver	7440-22-4	0.188000	0.65%	6,473.81
Die Attach	BMI Resin	Trade secret	0.047000	0.16%	1,618.45
Wire	Gold	7440-57-5	0.727000	2.50%	25,034.36
Mold Compound	Silica fused	60676-86-0	6.700000	23.07%	230,715.52
Mold Compound	Multi-aromatic resin	Trade secret	1.091000	3.76%	37,568.75
Total Weight (mg)			29.040092	100.00%	1,000,000