

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42851
Ordering Codes:	PE42851B-X
Description:	UltraCMOS® SP5T RF Switch 30-1000MHz
Package:	32L 5x5 mm 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					
Die	Aluminum oxide	1344-28-1	4.588204	6.99%	69,895
Package					
Leadframe	Copper	7440-50-8	26.765100	40.77%	407,730
	Iron	7439-89-6	0.645100	0.98%	9,827
	Zinc	7440-66-6	0.032900	0.05%	501
	Phosphorus	7723-14-0	0.008200	0.01%	125
Die Attach	Silver	7440-22-4	0.472500	0.72%	7,198
	Acrylate Resin	Proprietary	0.044500	0.07%	678
	2-Butoxyethyl Acetate	112-07-2	0.019500	0.03%	297
Gold Wire	2-(2-Butoxyethyl) ethyl Acetate	124-17-4	0.019500	0.03%	297
	Gold	7440-57-5	0.308000	0.47%	4,692
Internal Plating	Nickel	7440-02-0	0.077760	0.12%	1,185
	Palladium	7440-05-3	0.006300	0.01%	96
	Gold	7440-57-5	0.000250	0.00%	4
External Plating	Nickel	7440-02-0	0.103100	0.16%	1,571
	Palladium	7440-05-3	0.008400	0.01%	128
	Gold	7440-57-5	0.000340	0.00%	5
Mold Compound	Silica Fused	60676-86-0	29.843300	45.46%	454,622
	Epoxy Resin	Trade secret	1.301800	1.98%	19,831
	Phenol Resin	Trade secret	1.301800	1.98%	19,831
	Carbon Black	1333-86-4	0.097600	0.15%	1,487
Total Weight (mg)			65.644154	100.00%	1,000,000