

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE423641
Ordering Codes:	PE423641MLAA-Z
Description:	UltraCMOS® SP4T RF Switch 50 MHz – 3 GHz
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					
	Sapphire (Al2O3)	1344-28-1	0.897270	3.19%	31,928
Package					
Leadframe	Copper (Cu)	7440-50-8	18.356000	65.32%	653,172
	Iron (Fe)	7439-89-6	0.443000	1.58%	15,764
	Zinc (Zn)	7440-66-6	0.024000	0.09%	854
	Phosphorus (P)	7723-14-0	0.016000	0.06%	569
Frame Plating	Nickel (Ni)	7440-02-0	0.203000	0.72%	7,223
	Palladium (Pd)	7440-05-3	0.004000	0.01%	142
	Gold (Au) - Silver (Ag)	7440-57-5 7440-22-4	0.001000	0.00%	36
External Plating	Nickel (Ni)	7440-02-0	0.078000	0.28%	2,776
	Palladium (Pd)	7440-05-3	0.005000	0.02%	178
	Gold (Au) - Silver (Ag)	7440-57-5 7440-22-4	0.000600	0.00%	21
Die Attach	Silver (Ag)	7440-22-4	0.188000	0.67%	6,690
	BMI Resin	Trade secret	0.047000	0.17%	1,672
Wire	Copper (Cu)	7440-50-8	0.048000	0.17%	1,708
	Palladium (Pd)	7440-05-3	0.001000	0.00%	36
Mold Compound	Silica Fused	60676-86-0	6.700000	23.84%	238,410
	Multi-aromatic resin	Trade secret	1.091000	3.88%	38,822
Total Weight (mg)			28.102870	100.00%	1,000,000