

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42020
Ordering Codes:	PE42020A-X
Description:	UltraCMOS® SPDT TruDC RF Switch, 0Hz- 8000 MHz
Package:	20L 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	Sapphire (Al ₂ O ₃)	1344-28-1	2.800411	6.82%	68,230
Package					
Leadframe	Copper (Cu)	7440-50-8	15.447500	37.64%	376,368
	Iron (Fe)	7439-89-6	0.364300	0.89%	8,876
	Zinc (Zn)	7440-66-6	0.023800	0.06%	580
	Phosphorus (P)	7723-14-0	0.004800	0.01%	117
Die Attach	Silver (Ag)	7440-22-4	0.304400	0.74%	7,416
	2-Butoxyethyl Acetate	112-07-2	0.034200	0.08%	833
	2-Propenoic Acid, 3-(trimethoxysilyl)propyl Ester	4369-14-6	0.003400	0.01%	83
Gold Wire	Gold (Au)	7440-57-5	0.168200	0.41%	4,098
Internal Plating	Nickel (Ni)	7440-02-0	0.051000	0.12%	1,243
	Palladium (Pd)	7440-05-3	0.004130	0.01%	101
	Gold (Au)	7440-57-5	0.000170	0.00%	4
External Plating	Nickel (Ni)	7440-02-0	0.067600	0.16%	1,647
	Palladium (Pd)	7440-05-3	0.005500	0.01%	134
	Gold (Au)	7440-57-5	0.000220	0.00%	5
Mold Compound	Silica Fused	60676-86-0	19.957500	48.63%	486,251
	Epoxy Resin	Trade secret	0.870600	2.12%	21,212
	Phenol Resin	Trade secret	0.870600	2.12%	21,212
	Carbon Black	1333-86-4	0.065300	0.16%	1,591
Total Weight (mg)			41.043631	100.00%	1,000,000