

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4256
<b>Ordering Codes:</b>	PE4256MLIAA-Z
<b>Description:</b>	75 Ohm SPDT CATV UltraCMOS Switch 5 MHz - 3.0 GHz
<b>Package:</b>	20L 4X4 QFN
<b>Environmental Compliance</b>	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
<b>Lead Finish</b>	NiPdAu
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	0.907690	2.25%	22,517
<b>Package</b>					
Leadframe	Copper (Cu)	7440-50-8	15.510800	38.48%	384,779
	Iron (Fe)	7439-89-6	0.373900	0.93%	9,275
	Zinc (Zn)	7440-66-6	0.019100	0.05%	474
	Phosphorus (P)	7723-14-0	0.004800	0.01%	119
Die Attach	Silver (Ag)	7440-22-4	0.130900	0.32%	3,247
	Epoxy Resin	9003-36-5	0.016400	0.04%	407
	Diluent	26447-14-3	0.009800	0.02%	243
	Dicyandiamide	461-58-5	0.001600	0.00%	40
	Hardener	620-92-8	0.004900	0.01%	122
Gold Wire	Gold (Au)	7440-57-5	0.301300	0.75%	7,474
Internal Plating	Nickel (Ni)	7440-02-0	0.071600	0.18%	1,776
	Palladium (Pd)	7440-05-3	0.005800	0.01%	144
	Gold (Au)	7440-57-5	0.000200	0.00%	5
External Plating	Nickel (Ni)	7440-02-0	0.047700	0.12%	1,183
	Palladium (Pd)	7440-05-3	0.003900	0.01%	97
	Gold (Au)	7440-57-5	0.000160	0.00%	4
Mold Compound	Silica Fused	60676-86-0	20.999700	52.09%	520,943
	Epoxy Resin	Trade secret	0.916000	2.27%	22,723
	Phenol Resin	Trade secret	0.916000	2.27%	22,723
	Carbon Black	1333-86-4	0.068700	0.17%	1,704
<b>Total Weight (mg)</b>			<b>40.310950</b>	<b>100.00%</b>	<b>1,000,000</b>