

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	<b>PE43705</b>
<b>Ordering Codes:</b>	<b>PE43705B-Z</b>
<b>Description:</b>	<b>UltraCMOS® RF Digital Step Attenuator, 7-bit, 31.75 dB 50 MHz – 8 GHz</b>
<b>Package:</b>	<b>32L 5x5 QFN</b>
<b>Environmental Compliance</b>	<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>
<b>Lead Finish</b>	<b>NiPdAu</b>
<b>Availability</b>	<b>Now</b>

Component	Material	CAS Number	Weight (mg)	%	PPM
Die	Aluminum oxide	1344-28-1	3.510364	5.312292%	53,123
Die	Aluminum	7429-90-5	0.010678	0.016159%	162
Die	Silicon	7440-21-3	0.000712	0.001077%	11
Die	Arsenic	7440-38-2	0.000004	0.000005%	0
Die	Boron	7440-42-8	0.000004	0.000005%	0
Die	Phosphorus	7723-14-0	0.000014	0.000022%	0
Die	Titanium	7440-32-6	0.001780	0.002693%	27
Die	Tungsten	7440-33-7	0.035592	0.053863%	539
Die	Cobalt	7440-48-4	0.000071	0.000108%	1
Die	Copper	7440-50-8	0.000028	0.000043%	0
Leadframe	Copper	7440-50-8	26.714000	40.426733%	404,267
Leadframe	Iron	7439-89-6	0.643900	0.974424%	9,744
Leadframe	Zinc	7440-66-6	0.032900	0.049788%	498
Leadframe	Phosphorous	7723-14-0	0.008200	0.012409%	124
Die Attach	Silver	7440-22-4	0.287200	0.434624%	4,346
Die Attach	Epoxy Resin	9003-36-5	0.035900	0.054328%	543
Die Attach	Diluent	26447-14-3	0.021500	0.032536%	325
Die Attach	Dicyandiamide	461-58-5	0.003600	0.005448%	54
Die Attach	Hardener	620-92-8	0.010800	0.016344%	163
Wire	Gold	7440-57-5	0.552900	0.836713%	8,367
Plating	Others	Proprietary	0.000100	0.000151%	2
Plating	Nickel	7440-02-0	0.180330	0.272896%	2,729
Plating	Palladium	7440-05-3	0.014580	0.022064%	221
Plating	Gold	7440-57-5	0.000580	0.000878%	9
Molding Compound	Silica Fused	60676-86-0	31.191100	47.202001%	472,020
Molding Compound	Epoxy Resin	Trade secret	1.360600	2.059018%	20,590
Molding Compound	Phenol Resin	Trade secret	1.360600	2.059018%	20,590
Molding Compound	Carbon Black	1333-86-4	0.102000	0.154358%	1,544
<b>Total Weight (mg)</b>			<b>66.080037</b>	<b>100.00%</b>	<b>1,000,000</b>

