

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE22100
<b>Ordering Codes:</b>	PE22100A-X
<b>Description:</b>	Transformer Driver for Isolated Power Supplies
<b>Package:</b>	12 Lead 2 x 2 QFN
<b>Environmental Compliance</b>	EU RoHS 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>					
Die	Silicon	7440-21-3	0.540000	7.37%	73,710
<b>Package</b>					
Leadframe	Copper	7440-50-8	0.263000	3.59%	35,899
	Nickel	7440-02-0	2.518000	34.37%	343,706
	Silicon	7440-21-3	0.132000	1.80%	18,018
	Magnesium	7439-95-4	0.015000	0.20%	2,047
Frame Plating	Nickel	7440-02-0	3.423000	46.72%	467,238
	Palladium	7440-05-3	0.107000	1.46%	14,605
	Gold	7440-57-5	0.023000	0.31%	3,139
	Silver	7440-22-4	0.005000	0.07%	682
External Plating	Nickel	7440-02-0	0.090400	1.23%	12,340
	Palladium	7440-05-3	0.001900	0.03%	259
	Gold	7440-57-5	0.000200	0.00%	27
	Silver	7440-22-4	0.000160	0.00%	22
Die Attach	Proprietary Acrylates	Trade secret	0.016000	0.22%	2,184
	Silver	7440-22-4	0.100000	1.36%	13,650
	Proprietary Bismaleimide	Trade secret	0.004000	0.05%	546
	Methacrylate Ester	Trade secret	0.004000	0.05%	546
	Proprietary polymer	Trade secret	0.001000	0.01%	136
Wire	Gold	7440-57-5	0.066000	0.90%	9,009
Mold Compound	Epoxy resin	Trade secret	0.014400	0.20%	1,966
	Silica Fused	60676-86-0	0.000900	0.01%	123
	Phenol resin	Trade secret	0.000600	0.01%	82
	Carbon black	1333-86-4	0.000470	0.01%	64
<b>Total Weight (mg)</b>			<b>7.326030</b>	1.0000000	1,000,000