

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE4141
<b>Ordering Codes:</b>	4141-52
<b>Description:</b>	Ultra-linear UltraCMOS® Broadband Quad MOSFET Array
<b>Package:</b>	8L MSOP
<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>	Tin
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
Die	Aluminum oxide	1344-28-1	0.304800	1.20%	12,034
<b>Package</b>					
Leadframe	Copper	7440-50-8	9.502970	37.52%	375,191
	Nickel	7440-02-0	0.296350	1.17%	11,700
	Silicon	7440-21-3	0.064209	0.25%	2,535
	Magnesium	7439-95-4	0.014818	0.06%	585
	Silver	7440-22-4	0.185700	0.73%	7,332
Die Attach	Silver	7440-22-4	0.047232	0.19%	1,865
	bisphenol-F-(epichlorhydrin)	9003-36-5	0.002519	0.01%	99
	Fatty acids, C18-unsatd., dimers, polymers with epichlorohydrin	68475-94-5	0.002519	0.01%	99
	gamma.-Butyrolactone	96-48-0	0.002519	0.01%	99
	Epoxy resin	Proprietary	0.002519	0.01%	99
	Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)	9046-10-0	0.002519	0.01%	99
	Copper oxide	1317-38-0	0.002519	0.01%	99
Gold Wire	1,4-Bis(2,3-epoxypropoxy)butane	2425-79-8	0.000630	0.00%	25
Tin Plating	Gold	7440-57-5	0.104490	0.41%	4,125
	Tin	7440-31-5	0.000010	0.00%	0
Mold Compound	Others	Proprietary	0.966053	3.81%	38,141
	Silica Fused	60676-86-0	11.987142	47.33%	473,269
	Epoxy resin	Proprietary	0.829560	3.28%	32,752
	Epoxy, Cresol Novolac	29690-82-2	0.276520	1.09%	10,917
	Phenol Resin	Proprietary	0.691300	2.73%	27,293
	Carbon Black	1333-86-4	0.041478	0.16%	1,638
<b>Total Weight (mg)</b>			<b>25.328377</b>	<b>100.00%</b>	<b>1,000,000</b>