

## PEREGRINE MATERIAL DECLARATION FORM

<b>Product:</b>	PE3512
<b>Ordering Codes:</b>	3512-51; 3512-52
<b>Description:</b>	Divide-by-4 Prescaler
<b>Package:</b>	6L SC70
<b>RoHS Compliant</b>	Yes
<b>Lead Finish</b>	100% Matt Tin
<b>Peak Reflow Temp</b>	260 degree C
<b>Time at Peak Temp</b>	20 Sec
<b>Max No. of Reflow</b>	Three
<b>Availability</b>	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
<b>Die</b>					
	Sapphire:	1344-28-1	0.463590	7.05%	70,491
	Silicon:	7440-21-3	0.000037	0.00%	6
	Silicon Dioxide:	7631-86-9	0.002607	0.04%	396
	Silicon Nitride:	12033-89-5	0.001076	0.02%	164
	Tungsten Silicide:	12039-88-2	0.000047	0.00%	7
	Titanium:	7440-33-6	0.000121	0.00%	18
	Titanium Nitride:	25583-20-4	0.000266	0.00%	40
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.001679	0.03%	255
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000042	0.00%	6
	Phosphorous:	7723-14-0	0.000038	0.00%	6
<b>Package</b>					
Leadframe 401990	Cu:	7440-50-8	2.828814	43.01%	430,131
	Fe:	7439-89-6	0.068182	1.04%	10,367
	Zn:	7440-66-6	0.003482	0.05%	529
	P:	7723-14-0	0.000870	0.01%	132
	Ag (weight estimate):	7440-22-4	0.041753	0.63%	6,349
Die attach material	Silver (70 - 85):	7440-22-4	0.042902	0.65%	6,523
	Epoxy Resin (5 - 25):	Proprietary	0.008304	0.13%	1,263
	Aromatic Amine (1 - 10):	Proprietary	0.003045	0.05%	463
Gold Wire	Au:	7440-57-5	0.050193	0.76%	7,632
	Ag:	7440-22-4	0.000007	0.00%	1