

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE3501
Ordering Codes:	3501-51; 3501-52
Description:	Divide-by-2 Prescaler
Package:	8L TSSOP
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.589000	1.83%	18,285
	Silicon	7440-21-3	0.000037	0.00%	1
	Silicon Dioxide	7631-86-9	0.002610	0.01%	81
	Silicon Nitride	12033-89-5	0.001080	0.00%	34
	Tungsten Silicide	12039-88-2	0.000047	0.00%	1
	Titanium	7440-33-6	0.000121	0.00%	4
	Titanium Nitride	25583-20-4	0.000266	0.00%	8
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.001680	0.01%	52
	Arsenic	7440-38-2	0.000014	0.00%	0
	Boron	7440-42-8	0.000069	0.00%	2
	Phosphorous	7723-14-0	0.000038	0.00%	1
Package					
Leadframe C7025	Cu	7440-50-8	6.041400	18.75%	187,547
	Ni	7440-02-0	0.018840	0.06%	585
	Si	7440-21-3	0.040800	0.13%	1,267
	Mg	7439-95-4	0.009400	0.03%	292
	Ag	7440-22-4	0.300900	0.93%	9,341
Die Attach	Silver (70-90)	7440-22-4	0.147700	0.46%	4,585
	Epoxy Resin (10-30)	Proprietary	0.029500	0.09%	916
	Amine (1-10)	Proprietary	0.029500	0.09%	916
	Gamma Butyrolactone (1-10)	96480	0.007900	0.02%	245
	Metal Oxide (1-10)	Proprietary	0.005900	0.02%	183
Gold Wire	Au	7440-57-5	0.013990	0.04%	434
Lead Finish	Sn	7440-31-5	0.566400	1.76%	17,583
Mold Compound	Silica Fused (75-95)	60676-86-0	21.159600	65.69%	656,872
	Epoxy Resin (2-8)	Trade secret	1.464300	4.55%	45,457
	Epoxy, Cresol Novolac (1-3)	29690-82-2	0.488100	1.52%	15,152
	Phenol Resin (2-8)	Trade secret	1.220300	3.79%	37,883
	Carbon Black (0.1-0.5)	1333-86-4	0.073200	0.22%	2,273
Total Weight (mg)			32.212692	100.00%	1,000,000