

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE3512
Ordering Codes:	3512-51; 3512-52
Description:	Devide-by-4 Prescaler
Package:	6L SC70
RoHS Compliant	Yes
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	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
Package					
Leadframe 401990	Copper (Cu)	7440-50-8	2.828814	43.01%	430,131
	Iron (Fe)	7439-89-6	0.068182	1.04%	10,367
	Zinc (Zn)	7440-66-6	0.003482	0.05%	529
	Phosphorus (P)	7723-14-0	0.000870	0.01%	132
	Ag (weight estimate)	7440-22-4	0.041753	0.63%	6,349
Die Attach	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
	Cu	7440-50-8	0.000007	0.00%	1
	Fe	7439-89-6	0.000013	0.00%	2
	Mg	7439-95-4	0.000007	0.00%	1
	Ca	7440-70-2	0.000007	0.00%	1
	Be	7440-41-7	0.000033	0.00%	5
100% Matte Tin Lead Finish	Sn	7440-31-5	0.223400	3.40%	33,969
Mold Compound	Silica Fused (75-95)	60676-86-0	2.477591	37.67%	376,728
	Epoxy Resin (2-8)	Trade secret	0.145741	2.22%	22,160
	Epoxy, Cresol Novolac (1-3)	29690-82-2	0.058296	0.89%	8,864
	Phenol Resin (2-8)	Trade secret	0.145741	2.22%	22,160
	Carbon Black (0.1-0.5)	1333-86-4	0.008744	0.13%	1,330
Total Weight (mg)			6.576635	100.00%	1,000,000