

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4134
Ordering Codes:	4134-51; 4134-52
Description:	PCS/3G Passive Mixer
Package:	6L 3X3 DFN
RoHS Compliant	Yes
Lead Finish	100% Matt Tin
Peak Reflow Temp	260 degree C
Time at Peak Temp	20 Sec
Max No. of Reflow	Three
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	1.638765	7.92%	79,205
	Silicon:	7440-21-3	0.000025	0.00%	1
	Silicon Dioxide:	7631-86-9	0.007216	0.03%	349
	Silicon Nitride:	12033-89-5	0.003112	0.02%	150
	Tungsten Silicide:	12039-88-2	0.000013	0.00%	1
	Titanium:	7440-33-6	0.000207	0.00%	10
	Titanium Nitride:	25583-20-4	0.000411	0.00%	20
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.005378	0.03%	260
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000182	0.00%	9
	Phosphorous:	7723-14-0	0.000111	0.00%	5
Package					
Leadframe	Copper (Cu):	7440-50-8	4.495674	21.73%	217,286
	Silver (Ag):	7440-57-5	0.019118	0.09%	924
	Iron (Fe):	7439-89-6	0.108915	0.53%	5,264
	Zinc (Zn):	7440-66-6	0.005793	0.03%	280
	Phosphorus (P):	7723-14-0	0.003824	0.02%	185
	Lead (Pb):	7439-92-1	0.001390	0.01%	67
Die attach material	Epoxy resin (5-25%):	Proprietary	0.264000	1.28%	12,760
	Silver (70-85%):	7440-22-4	0.033000	0.16%	1,595
	Aromatic Amine (1-10%):	Proprietary	0.033000	0.16%	1,595
Wire	Au:	7440-57-5	0.169983	0.82%	8,216
100% Matte Tin Lead Finish	Sn:	7440-31-5	0.300000	1.45%	14,500
Encapsulation G600	Silica Fused:	7631-86-9	11.736040	56.72%	567,229
	Epoxy Resin:	-	0.690355	3.34%	33,366
	Epoxy, Creso Novolac:	1309-64-4	0.276142	1.33%	13,347
	Carbon Black:	1333-86-4	0.207107	1.00%	10,010
	Phenol Resin:	-	0.690355	3.34%	33,366
Total Weight (mg)			20.690116	100.00%	1,000,000