

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4135
Ordering Codes:	4135-51; 4135-52
Description:	GSM/Cellular 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	3.839705	16.76%	167,554
	Silicon:	7440-21-3	0.000075	0.00%	3
	Silicon Dioxide:	7631-86-9	0.016885	0.07%	737
	Silicon Nitride:	12033-89-5	0.007288	0.03%	318
	Tungsten Silicide:	12039-88-2	0.000048	0.00%	2
	Titanium:	7440-33-6	0.000592	0.00%	26
	Titanium Nitride:	25583-20-4	0.001272	0.01%	55
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.014931	0.07%	652
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000426	0.00%	19
	Phosphorous:	7723-14-0	0.000259	0.00%	11
Package					
Leadframe	Copper (Cu):	7440-50-8	4.495674	19.62%	196,179
	Silver (Ag):	7440-57-5	0.019118	0.08%	834
	Iron (Fe):	7439-89-6	0.108915	0.48%	4,753
	Zinc (Zn):	7440-66-6	0.005793	0.03%	253
	Phosphorus (P):	7723-14-0	0.003824	0.02%	167
	Lead (Pb):	7439-92-1	0.001390	0.01%	61
Die attach material	Epoxy resin (5-25%):	Proprietary	0.264000	1.15%	11,520
	Silver (70-85%):	7440-22-4	0.033000	0.14%	1,440
	Aromatic Amine (1-10%):	Proprietary	0.033000	0.14%	1,440
Wire	Au:	7440-57-5	0.169983	0.74%	7,418
100% Matte Tin Lead Finish	Sn:	7440-31-5	0.300000	1.31%	13,091
Encapsulation G600	Silica Fused:	7631-86-9	11.736040	51.21%	512,129
	Epoxy Resin:	-	0.690355	3.01%	30,125
	Epoxy, Creso Novolac:	1309-64-4	0.276142	1.21%	12,050
	Carbon Black:	1333-86-4	0.207107	0.90%	9,038
	Phenol Resin:	-	0.690355	3.01%	30,125
Total Weight (mg)			22.916179	100.00%	1,000,000