

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE64904
Ordering Codes:	PE64904MLAA-Z
Description:	UltraCMOS Digitally Tunable Capacitor (DTC) 100-3000 MHz
Package:	10L 2X2 QFN
Environmental Compliance	EU RoHS Directive 2002/95/EC, REACH - EU ECHA SVHC, Arsenic Free , JIG 101 - EIA/EICTA/JEITA, Halogen Free - IEC61249-2-21, PFOS Free - 2006/122/EC, Antimony Trioxide Free
Lead Finish	100% Matte Tin
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	1.462338	22.67%	226,722
	Silicon (Si)	7440-21-3	0.000485	0.01%	75
	Arsenic (As)	7440-38-2	0.000002	0.00%	0
	Boron (B)	7440-42-8	0.000001	0.00%	0
	Phosphorous (P)	7723-14-0	0.000163	0.00%	25
	Titanium (Ti)	7440-32-6	0.000056	0.00%	9
	Tungsten (W)	7440-33-7	0.000004	0.00%	1
	Copper (Cu)	7440-50-8	0.000007	0.00%	1
	Aluminum (Al)	7429-90-5	0.002435	0.04%	377
	Cobalt (Co)	7440-48-4	0.000000	0.00%	0
Package					
Leadframe	Copper (Cu)	7440-50-8	2.341310	36.30%	362,998
	Chromium (Cr)	7440-47-3	0.005900	0.09%	915
	Tin (Sn)	7440-31-5	0.005900	0.09%	915
	Zinc (Zn)	7440-66-6	0.005190	0.08%	805
Wafer Bump	BCB	108-67-8	0.005700	0.09%	884
	Titanium (Ti)	7440-32-6	0.000040	0.00%	6
	Copper (Cu)	7440-50-8	0.000360	0.01%	56
	Copper (Cu)	7440-50-8	0.042270	0.66%	6,554
	Nickel (Ni)	7440-02-0	0.002210	0.03%	343
	Tin (Sn)	7440-31-5	0.014070	0.22%	2,181
	Silver (Ag)	7440-22-4	0.000520	0.01%	81
Flux	Polyglycol Ether	9038-95-3	0.057150	0.89%	8,861
	Carboxylic Acid	70248-25-8	0.004760	0.07%	738
	Alcohols	68603-15-6	0.017460	0.27%	2,707
100% Matte Tin Lead Finish	Tin (Sn)	7440-31-5	0.099410	1.54%	15,413
Mold Compound	Silica Fused	60676-86-0	2.184450	33.87%	338,678
	Epoxy Resin	Trade secret	0.095290	1.48%	14,774
	Phenol Resin	Trade secret	0.095290	1.48%	14,774
	Carbon Black	1333-86-4	0.007150	0.11%	1,109
Total Weight (mg)			6.449922	100.00%	1,000,000