

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42692
Ordering Codes:	PE42692DTIBEA, PE42692DIBEA-Z
Description:	SP9T UltraCMOS 2.75 V Switch 100 - 3000 MHz, +68 dBm IIP3
Package:	Flip Chip
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
Solder Bump	SnAgCu Alloy
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire (Al ₂ O ₃)	1344-28-1	1.1842466	91.61%	916,058
	Silicon (Si)	7440-21-3	0.0003931	0.03%	304
	Arsenic (As)	7440-38-2	0.0000019	0.00%	1
	Boron (B)	7440-42-8	0.0000005	0.00%	0
	Phosphorous (P)	7723-14-0	0.0001322	0.01%	102
	Titanium (Ti)	7440-32-6	0.0000453	0.00%	35
	Tungsten (W)	7440-33-7	0.0000035	0.00%	3
	Copper (Cu)	7440-50-8	0.0000061	0.00%	5
	Aluminum (Al)	7429-90-5	0.0019715	0.15%	1,525
	Cobalt (Co)	7440-48-4	0.0000000	0.00%	0
Solder Bumps					
	Tin (Sn)	7440-31-5	0.0934174	7.23%	72,262
	Silver (Ag)	7440-22-4	0.0034237	0.26%	2,648
	Copper (Cu)	7440-50-8	0.0009782	0.08%	757
	BCB	694-87-1	0.0075603	0.58%	5,848
UBM					
	Aluminum (Al)	7429-90-5	0.000119	0.01%	92
		7440-02-0			
	Nickel -7% Vanadium (Ni-7%V)	7440-62-2	0.000135	0.01%	105
	Copper (Cu)	7440-50-8	0.000329	0.03%	255
Total Weight (mg)			1.292764	100%	1,000,000