

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42662
Ordering Codes:	PE42662DIBDA-Z, PE42662DBIBDA, PE42662DTBDA
Description:	UltraCMOS SP6T Antenna Switch For 3G Handset Applications
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	1.0608700	92.36%	923,578
	Silicon (Si)	7440-21-3	0.0003521	0.03%	307
	Arsenic (As)	7440-38-2	0.0000017	0.00%	1
	Boron (B)	7440-42-8	0.0000005	0.00%	0
	Phosphorous (P)	7723-14-0	0.0001185	0.01%	103
	Titanium (Ti)	7440-32-6	0.0000406	0.00%	35
	Tungsten (W)	7440-33-7	0.0000032	0.00%	3
	Copper (Cu)	7440-50-8	0.0000054	0.00%	5
	Aluminum (Al)	7429-90-5	0.0017661	0.15%	1,538
	Cobalt (Co)	7440-48-4	0.0000000	0.00%	0
Solder Bumps					
	Tin (Sn)	7440-31-5	0.0747339	6.51%	65,062
	Silver (Ag)	7440-22-4	0.0027389	0.24%	2,384
	Copper (Cu)	7440-50-8	0.0007826	0.07%	681
	BCB	694-87-1	0.0067727	0.59%	5,896
UBM					
	Aluminum (Al)	7429-90-5	0.000095	0.01%	83
		7440-02-0			
	Nickel -7% Vanadium (Ni-7%V)	7440-62-2	0.000108	0.01%	94
	Copper (Cu)	7440-50-8	0.000263	0.02%	229
Total Weight (mg)			1.148653	100%	1,000,000