

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42556
Ordering Codes:	PE42556DBI, PE42556DI-Z
Description:	SPDT Ultra CMOS RF Switch
Package:	Flip Chip
RoHS Compliant	Yes
Solder Bump	SnAgCu Alloy
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	2.016000	98.18%	981,403
	Silicon	7440-21-3	0.000440	0.03%	184
	Silicon Dioxide	7631-86-9	0.010933	0.46%	4,572
	Silicon Nitride	12033-89-5	0.004500	0.19%	1,885
	Tungsten Silicide	12039-88-2	0.000372	0.03%	201
	Titanium	7440-33-6	0.000412	0.02%	172
	Titanium Nitride	25583-20-4	0.001072	0.05%	448
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu)	7429-90-5	0.005547	0.26%	2,320
	Arsenic	7440-38-2	0.000374	0.04%	158
	Boron	7440-42-8	0.000336	0.02%	143
	Phosphorous	7723-14-0	0.000145	0.01%	64
Solder Bumps					
	Sn	7440-31-5	0.018933	0.66%	7,919
	Ag	7440-22-4	0.000752	0.04%	419
	Cu	7440-50-8	0.001337	0.01%	102
	BCB	694-87-1	0.000021	0.00%	9
UBM					
	Aluminum	7429-90-5	0.000000	0.00%	0
		7440-02-0			
	Ni-7%V	7440-62-2	0.000000	0.00%	0
	Cu	7440-50-8	0.000000	0.00%	1
Total Weight (mg)			2.061175	100%	1,000,000