

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42723
Ordering Codes:	PE42723A-Z
Description:	UltraCMOS® SPDT RF Switch, 5–1794 MHz
Package:	12 L 3X3 QFN
Environmental Compliance	EU RoHS 2 Directive 2011/65/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	NiPdAu
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
Die	Aluminum oxide	1344-28-1	1.413534	7.87%	78,721
	Aluminum	7429-90-5	0.004300	0.02%	239
	Silicon	7440-21-3	0.000287	0.00%	16
	Arsenic*	7440-38-2	0.000001	0.00%	0
	Boron*	7440-42-8	0.000000	0.00%	0
	Phosphorous*	7723-14-0	0.000006	0.00%	0
	Titanium	7440-32-6	0.000717	0.00%	40
	Tungsten	7440-33-7	0.014332	0.08%	798
	Cobalt	7440-48-4	0.000029	0.00%	2
	Copper	7440-50-8	0.000011	0.00%	1
Package					
Leadframe	Copper	7440-50-8	9.527000	53.06%	530,568
	Nickel	7440-02-0	0.538000	3.00%	29,962
	Silicon	7440-21-3	0.064000	0.36%	3,564
	Magnesium	7439-95-4	0.015000	0.08%	835
	Palladium	7440-05-3	0.006000	0.03%	334
	Gold	7440-57-5	0.004000	0.02%	223
Die Attach	Proprietary Acrylates	Trade secret	0.023000	0.13%	1,281
	Silver	7440-22-4	0.141000	0.79%	7,852
	Proprietary Bismaleimide	Trade secret	0.005000	0.03%	278
	Methacrylate Ester	Trade secret	0.005000	0.03%	278
	Proprietary polymer	Trade secret	0.002000	0.01%	111
Wire	Gold	7440-57-5	0.251000	1.40%	13,978
Mold Compound	Multi-Aromatic Resin	Trade secret	0.832000	4.63%	46,335
	Silica fused	60676-86-0	5.110000	28.46%	284,581
Total Weight (mg)			17.956217	100.00%	1,000,000

Note: * signifies concentrations are in the PPB concentration (Parts Per Billion) range, which is less than PPM (Parts Per Million)