

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4220
Ordering Codes:	4220-51; 4220-52
Description:	Reflective SPDT RF Switch - 50 Ohm
Package:	8L MSOP
RoHS Compliant	Yes
Lead Finish	100% Matt Tin
Peak Reflow Temp	260 degree C
Time at Peak Temp	20 Sec
Max No. of Reflow	Three
Availability	Now

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	1.365538	5.21%	52,146
	Silicon:	7440-21-3	0.000124	0.00%	5
	Silicon Dioxide:	7631-86-9	0.004448	0.02%	170
	Silicon Nitride:	12033-89-5	0.002604	0.01%	99
	Tungsten Silicide:	12039-88-2	0.000152	0.00%	6
	Titanium:	7440-33-6	0.000151	0.00%	6
	Titanium Nitride:	25583-20-4	0.000417	0.00%	16
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.002000	0.01%	76
	Arsenic:	7440-38-2	0.000001	0.00%	0
	Boron:	7440-42-8	0.000101	0.00%	4
	Phosphorous:	7723-14-0	0.000092	0.00%	4
Package					
Leadframe 401114	Cu	7440-50-8	9.50297	36.29%	362,892
	Ni	7440-02-0	0.29635	1.13%	11,317
	Si	7440-21-3	0.06421	0.25%	2,452
	Mg	7439-95-4	0.01482	0.06%	566
	Ag ^(B)	7440-22-4	0.24750	0.95%	9,451
Die attach material	Silver (70 - 85)	7440-22-4	0.22088	0.84%	8,435
	Epoxy Resin (5 - 25)	Proprietary	0.04275	0.16%	1,633
	Aromatic Amine (1 - 10)	Proprietary	0.01568	0.06%	599
Gold Wire	Au	7440-57-5	0.10449	0.40%	3,990
	Ag	7440-22-4	0.00003	0.00%	1