

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4230
Ordering Codes:	4230-51; 4230-52
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	1.409119	5.37%	53,720
	Silicon:	7440-21-3	0.000135	0.00%	5
	Silicon Dioxide:	7631-86-9	0.004594	0.02%	175
	Silicon Nitride:	12033-89-5	0.002687	0.01%	102
	Tungsten Silicide:	12039-88-2	0.000173	0.00%	7
	Titanium:	7440-33-6	0.000154	0.00%	6
	Titanium Nitride:	25583-20-4	0.000422	0.00%	16
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.002047	0.01%	78
	Arsenic:	7440-38-2	0.000001	0.00%	0
	Boron:	7440-42-8	0.000105	0.00%	4
	Phosphorous:	7723-14-0	0.000095	0.00%	4
Package					
Leadframe	Copper (Cu):	7440-50-8	9.822074	37.44%	374,450
	Silver (Ag):	7440-57-5	0.041767	0.16%	1,592
	Iron (Fe):	7439-89-6	0.237957	0.91%	9,072
	Zinc (Zn):	7440-66-6	0.012657	0.05%	483
	Phosphorus (P):	7723-14-0	0.008354	0.03%	318
	Lead (Pb):	7439-92-1	0.003038	0.01%	116
Die attach material	Silver (70 - 85)	7440-22-4	0.22088	0.84%	8,420
	Epoxy Resin (5 - 25)	Proprietary	0.04275	0.16%	1,630
	Aromatic Amine (1 - 10)	Proprietary	0.01568	0.06%	598
Gold Wire	Au	7440-57-5	0.10449	0.40%	3,983
	Ag	7440-22-4	0.00003	0.00%	1
	Cu	7440-50-8	0.00003	0.00%	1
	Fe	7439-89-6	0.00005	0.00%	2
	Mg	7439-95-4	0.00003	0.00%	1
	Ca	7440-70-2	0.00003	0.00%	1
	Be	7440-41-7	0.00013	0.00%	5
	Sn	7440-31-5	0.84854	3.23%	32,349
100% Matte Tin Lead Finish					
Mold Compound	Silica Fused (75 - 95)	60676-86-0	11.75210	44.80%	448,029
	Epoxy Resin (2 - 8)	Trade secret	0.69130	2.64%	26,355
	Epoxy, Cresol Novolac (1 - 3)	29690-82-2	0.27652	1.05%	10,542
	Phenol Resin (2 - 8)	Trade secret	0.69130	2.64%	26,355
	Carbon Black (0.1- 0.5)	1333-86-4	0.04148	0.16%	1,581
Total Weight (mg)			26.230694	100.00%	1,000,000