

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE4283
Ordering Codes:	4283-51; 4283-52
Description:	Reflective SPDT Switch - 50 Ohm
Package:	6L SC70
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	October-05

Component	Material	CAS Number	Weight (mg)	%	PPM
Die					
	Sapphire:	1344-28-1	0.219696	3.47%	34,708
	Silicon:	7440-21-3	0.000047	0.00%	7
	Silicon Dioxide:	7631-86-9	0.001190	0.02%	188
	Silicon Nitride:	12033-89-5	0.000643	0.01%	102
	Tungsten Silicide:	12039-88-2	0.000052	0.00%	8
	Titanium:	7440-33-6	0.000059	0.00%	9
	Titanium Nitride:	25583-20-4	0.000164	0.00%	26
	Aluminium Alloy (98.5%-Al, 1%-Si, 0.5%-Cu):	7429-90-5	0.000768	0.01%	121
	Arsenic:	7440-38-2	0.000000	0.00%	0
	Boron:	7440-42-8	0.000028	0.00%	4
	Phosphorous:	7723-14-0	0.000024	0.00%	4
Package					
Leadframe 401990	Cu:	7440-50-8	2.828814	44.69%	446,904
	Fe:	7439-89-6	0.068182	1.08%	10,772
	Zn:	7440-66-6	0.003482	0.06%	550
	P:	7723-14-0	0.000870	0.01%	138
	Ag (weight estimate):	7440-22-4	0.041753	0.66%	6,596
Die attach material	Silver (70 - 85):	7440-22-4	0.042902	0.68%	6,778
	Epoxy Resin (5 - 25):	Proprietary	0.008304	0.13%	1,312
	Aromatic Amine (1 - 10):	Proprietary	0.003045	0.05%	481
Gold Wire	Au:	7440-57-5	0.050193	0.79%	7,930
	Ag:	7440-22-4	0.000007	0.00%	1