

PEREGRINE MATERIAL DECLARATION FORM

Product:	PE42742
Ordering Codes:	PE42742MLIBB, PE42742MLIBB-Z
Description:	75 Ohm Terminated, 5 - 2200 MHz SPDT CATV UltraCMOS Switch
Package:	20L 4X4 QFN
Environmental Compliance	EU RoHS2 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	0.921099	2.2842%	22,842
Package					
Leadframe	Copper	7440-50-8	15.510800	38.4651%	384,651
	Iron	7439-89-6	0.373900	0.9272%	9,272
	Zinc	7440-66-6	0.019100	0.0474%	474
	Phosphorus	7723-14-0	0.004800	0.0119%	119
Die Attach	Silver	7440-22-4	0.130900	0.3246%	3,246
	Epoxy Resin	9003-36-5	0.016400	0.0407%	407
	Diluent	26447-14-3	0.009800	0.0243%	243
	Dicyandiamide	461-58-5	0.001600	0.0040%	40
Gold Wire	Hardener	620-92-8	0.004900	0.0122%	122
	Gold	7440-57-5	0.301300	0.7472%	7,472
Internal Plating	Nickel	7440-02-0	0.071600	0.1776%	1,776
	Palladium	7440-05-3	0.005800	0.0144%	144
	Gold	7440-57-5	0.000200	0.0005%	5
External Plating	Nickel	7440-02-0	0.047700	0.1183%	1,183
	Palladium	7440-05-3	0.003900	0.0097%	97
	Gold	7440-57-5	0.000160	0.0004%	4
Mold Compound	Silica Fused	60676-86-0	20.999700	52.0770%	520,770
	Epoxy Resin	Trade secret	0.916000	2.2716%	22,716
	Phenol Resin	Trade secret	0.916000	2.2716%	22,716
	Carbon Black	1333-86-4	0.068700	0.1704%	1,704
Total Weight (mg)			40.324359	100.0000%	1,000,000