

PEREGRINE MATERIAL DECLARATION FORM

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|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product: | PE42562 |
| Ordering Codes: | PE42562A-X |
| Description: | UltraCMOS® SP6T RF Switch, 9 kHz–8 GHz |
| Package: | 24L 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 | Silicon | 7440-21-3 | 3.477008 | 7.1094% | 71,094 |
| | Phosphorus* | 7723-14-0 | 0.000017 | 0.0000% | 0 |
| | Boron* | 7440-42-8 | 0.000017 | 0.0000% | 0 |
| | Arsenic* | 7440-38-2 | 0.000017 | 0.0000% | 0 |
| | Germanium* | 7440-56-4 | 0.000017 | 0.0000% | 0 |
| | Indium* | 7440-74-6 | 0.000017 | 0.0000% | 0 |
| | Cobalt* | 7440-48-4 | 0.000017 | 0.0000% | 0 |
| | Tungsten | 7440-33-7 | 0.000654 | 0.0013% | 13 |
| | Copper | 7440-50-8 | 0.019842 | 0.0406% | 406 |
| | Tantalum | 7440-25-7 | 0.000941 | 0.0019% | 19 |
| Aluminum | 7429-90-5 | 0.000364 | 0.0007% | 7 | |
| Package | | | | | |
| Leadframe | Copper | 7440-50-8 | 23.541000 | 48.1339% | 481,339 |
| | Iron | 7439-89-6 | 0.568000 | 1.1614% | 11,614 |
| | Zinc | 7440-66-6 | 0.030000 | 0.0613% | 613 |
| | Phosphorus | 7723-14-0 | 0.020000 | 0.0409% | 409 |
| | Nickel | 7440-02-0 | 0.428700 | 0.8766% | 8,766 |
| | Palladium | 7440-05-3 | 0.011700 | 0.0239% | 239 |
| | Gold | 7440-57-5 | 0.003800 | 0.0078% | 78 |
| | Silver | 7440-22-4 | 0.002600 | 0.0053% | 53 |
| Wire | Gold | 7440-57-5 | 0.800000 | 1.6357% | 16,357 |
| Die Attach | Proprietary Acrylates | Trade secret | 0.068700 | 0.1405% | 1,405 |
| | Silver | 7440-22-4 | 0.422800 | 0.8645% | 8,645 |
| | Proprietary Bismaleimide | Trade secret | 0.015900 | 0.0325% | 325 |
| | Methacrylate Ester | Trade secret | 0.015900 | 0.0325% | 325 |
| | Proprietary Polymer | Trade secret | 0.005300 | 0.0108% | 108 |
| Molding Compound | Epoxy resin | Trade secret | 1.753000 | 3.5843% | 35,843 |
| | Silica Fused | 60676-86-0 | 16.748000 | 34.2444% | 342,444 |
| | Phenol resin | Trade secret | 0.876000 | 1.7911% | 17,911 |
| | Carbon black | 1333-86-4 | 0.097000 | 0.1983% | 1,983 |
| Total Weight (mg) | | | 48.907315 | 100.00% | 1,000,000 |

Note: * concentration in PPB range