

PEREGRINE MATERIAL DECLARATION FORM

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|---------------------------------|---|
| Product: | PE29102 |
| Ordering Codes: | PE29102A-X, PE29102A-Z |
| Description: | UltraCMOS® High-speed FET Driver, 40 MHz |
| Package: | Flip Chip |
| 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 | Solder Bump |
| Availability | Now |

| Component | Material | CAS Number | Weight (mg) | % | PPM |
|--------------------------|------------------|------------|-----------------|---------|------------|
| Die | Aluminum oxide | 1344-28-1 | 2.668547 | 97.03% | 970,279.71 |
| Die | Aluminum | 7429-90-5 | 0.008117 | 0.30% | 2,951.37 |
| Die | Silicon | 7440-21-3 | 0.000541 | 0.02% | 196.76 |
| Die | Arsenic | 7440-38-2 | 0.000003 | 0.00% | 0.98 |
| Die | Boron | 7440-42-8 | 0.000003 | 0.00% | 0.98 |
| Die | Phosphorus | 7723-14-0 | 0.000011 | 0.00% | 3.94 |
| Die | Titanium | 7440-32-6 | 0.001353 | 0.05% | 491.90 |
| Die | Tungsten | 7440-33-7 | 0.027057 | 0.98% | 9,837.91 |
| Die | Cobalt | 7440-48-4 | 0.000054 | 0.00% | 19.68 |
| Die | Copper | 7440-50-8 | 0.000022 | 0.00% | 7.87 |
| Solder Bump | Tin | 7440-31-5 | 0.042116 | 1.53% | 15,313.48 |
| Solder Bump | Silver | 7440-22-4 | 0.001544 | 0.06% | 561.23 |
| Solder Bump | Copper | 7440-50-8 | 0.000441 | 0.02% | 160.35 |
| Solder Bump | Benzocyclobutene | 694-87-1 | 0.000011 | 0.00% | 4.11 |
| UBM | Aluminum | 7429-90-5 | 0.000095 | 0.00% | 34.65 |
| UBM | Nickel | 7440-02-0 | 0.000007 | 0.00% | 2.69 |
| UBM | Vanadium | 7440-62-2 | 0.000101 | 0.00% | 36.70 |
| UBM | Copper | 7440-50-8 | 0.000263 | 0.01% | 95.70 |
| Total Weight (mg) | | | 2.750286 | 100.00% | 1,000,000 |