

# Supply Chain Explorer: Electronic design automation software

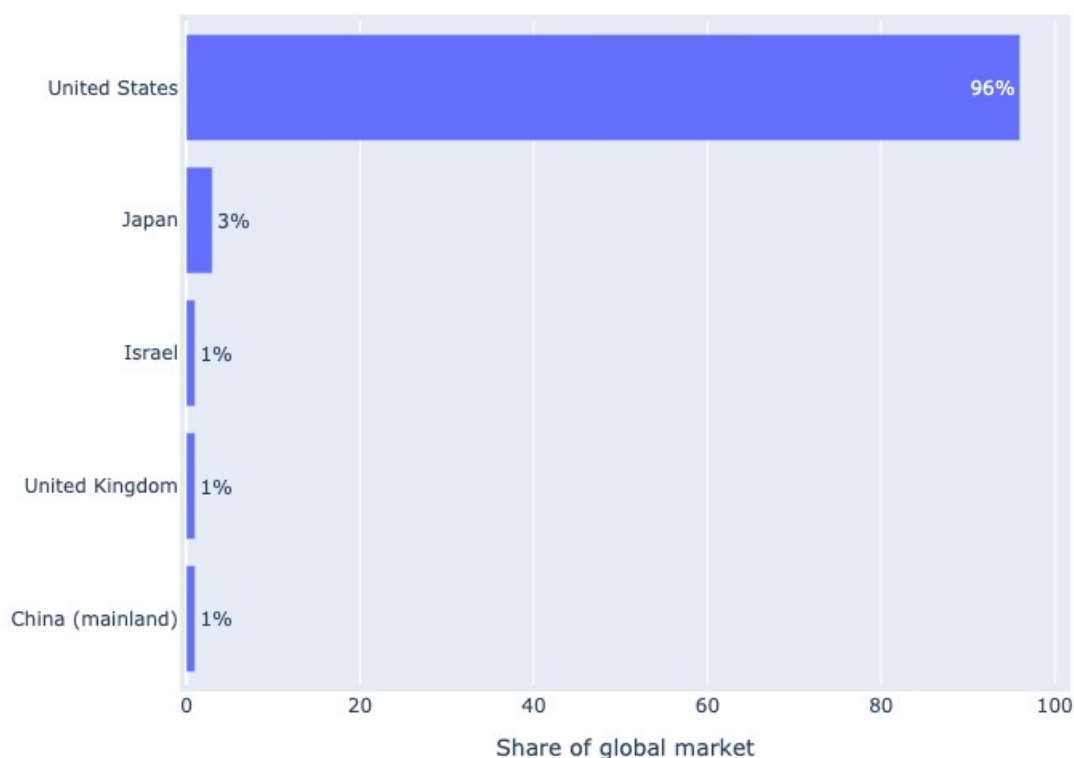
This is an export from the Emerging Technology Observatory **Supply Chain Explorer** (<https://chipexplorer.eto.tech>). You can see the web version of this content at <https://chipexplorer.eto.tech/?filter-choose=input-resource&input-resource=N84>.

## Electronic design automation software

Until the 1970s, when chips included few electric components, engineers drew designs manually. Today, chips include billions of interconnected transistors and other electrical components. To manage this complexity, chip designers use sophisticated EDA software to produce logic chip designs.

Only U.S. firms can produce EDA software with the full-spectrum capabilities engineers need to design leading-edge chips. Although the industry is top-heavy, startups frequently enter the EDA space. However, they struggle to compete with top EDA firms that typically acquire them to incorporate the startups' niche functionality to their full-spectrum capabilities.

### Supplier countries



### Notable supplier companies

- Ansys - United States
- Arcas-da (negligible market share) - China (mainland)
- Cadence - United States
- Huada Emphyrean (negligible market share) - China (mainland)
- Mentor Graphics - United States
- Microscapes (negligible market share) - China (mainland)
- PDF Solutions - United States
- Platform-da (negligible market share) - China (mainland)
- Primarius (negligible market share) - China (mainland)

- Semitronix (negligible market share) - China (mainland)
- Silvaco - United States
- Synopsys - United States
- Xpedic (negligible market share) - China (mainland)