**Software**

Stratix® devices are supported by the Altera® Quartus® II design software, which provides a comprehensive environment for system-on-a-programmable-chip (SOPC) design. The Quartus II software includes HDL and schematic design entry, compilation and logic synthesis, full simulation and advanced timing analysis, SignalTap® II logic analyzer, and device configuration. See the *Design Software Selector Guide* for more details on the Quartus II software features.

The Quartus II software supports the Windows XP/2000/NT/98, Sun Solaris, Linux Red Hat v7.1 and HP-UX operating systems. It also supports seamless integration with industry-leading EDA tools through the NativeLink® interface.

**Device Pin-Outs**

Stratix device pin-outs can be found on the Altera web site (www.altera.com).

**Ordering Information**

Figure 5–1 describes the ordering codes for Stratix devices. For more information on a specific package, see the *Package Information for Stratix Devices* chapter.
### Ordering Information

#### Figure 5–1. Stratix Device Packaging Ordering Information

<table>
<thead>
<tr>
<th>Family Signature</th>
<th>Device Type</th>
<th>Pin Count</th>
<th>Operating Temperature</th>
<th>Speed Grade</th>
<th>Optional Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP1S</td>
<td>5, 6, or 7, with 5 being the fastest</td>
<td>Number of pins for a particular BGA or FineLine BGA</td>
<td>C: Commercial temperature (tJ = 0° C to 85° C)</td>
<td>5, 6, or 7, with 5 being the fastest</td>
<td>ES: Engineering sample</td>
</tr>
<tr>
<td></td>
<td>ES: Engineering sample</td>
<td></td>
<td>I: Industrial temperature (tJ = -40° C to 100° C)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Family Signature**: EP1S: Stratix
- **Device Type**: B: Ball-grid array (BGA) F: FineLine BGA
- **Optional Suffix**: Indicates specific device options or shipment method.
- **Speed Grade**: 5, 6, or 7, with 5 being the fastest
- **Operating Temperature**: C: Commercial temperature (tJ = 0° C to 85° C) I: Industrial temperature (tJ = -40° C to 100° C)