## Table of Contents

Each Atmel data sheet includes an Ordering Information Section which specifies the package types available. This section provides size specifications and outlines for all package types.

<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
<th>See Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>44A</td>
<td>44 Lead, Thin (1.0 mm) Plastic Gull Wing Quad Flat Package (TQFP)</td>
<td>7-4</td>
</tr>
<tr>
<td>40D6</td>
<td>40 Lead, 0.600&quot; Wide, Non-Windowed, Ceramic Dual Inline Package (Cerdip)</td>
<td>7-4</td>
</tr>
<tr>
<td>44J</td>
<td>44 Lead, Plastic J-Leaded Chip Carrier (PLCC)</td>
<td>7-4</td>
</tr>
<tr>
<td>44L</td>
<td>44 Pad, Non-Windowed, Ceramic Leadless Chip Carrier</td>
<td>7-4</td>
</tr>
<tr>
<td>40P6</td>
<td>40 Lead, 0.600&quot; Wide, Plastic Dual Inline Package (PDIP)</td>
<td>7-5</td>
</tr>
<tr>
<td>20P3</td>
<td>20 Lead, 0.300&quot; Wide, Plastic Dual Inline Package</td>
<td>7-5</td>
</tr>
<tr>
<td>44Q</td>
<td>44 Lead, Plastic Gull Wing Quad Flat Package</td>
<td>7-5</td>
</tr>
<tr>
<td>20S</td>
<td>20 Lead, 0.300&quot; Wide, Plastic Gull Wing Small Outline (SOIC)</td>
<td>7-5</td>
</tr>
</tbody>
</table>

Note: 1. Dimensions shown do not include lead plating or mold flash.
44A, 44 Lead, Thin (1.0 mm) Plastic Gull Wing Quad Flat Package (TQFP)
Dimensions in Millimeters and (Inches)*

44J, 44 Lead, Plastic J-Leaded Chip Carrier (PLCC)
Dimensions in Inches and (Millimeters)
JEDEC STANDARD MS-018 AC

40D6, 40 Lead, 0.600" Wide, Non-Windowed, Ceramic Dual Inline Package (Cerdip)
Dimensions in Inches and (Millimeters)
MIL-STD-1835 D-5 CONFIG A

44L, 44 Pad, Non-Windowed, Ceramic Leadless Chip Carrier (LCC)
Dimensions in Inches and (Millimeters)*
MIL-STD-1835 C-5

*Ceramic lid standard unless specified.
40P6, 40 Lead, 0.600" Wide, Plastic Dual Inline Package (PDIP)
Dimensions in Inches and (Millimeters)
JEDEC STANDARD MS-011 AC

20P3, 20 Lead, 0.300" Wide, Plastic Dual Inline Package (PDIP)
Dimensions in Inches and (Millimeters)
JEDEC STANDARD MS-001 AD

44Q, 44 Lead, Plastic Gull Wing Quad Flat Package (PQFP)
Dimensions in Inches and (Millimeters)

20S, 20 Lead, 0.300" Wide, Plastic Gull Wing Small Outline (SOIC)
Dimensions in Inches and (Millimeters)