1. Package summary

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Parameter</th>
<th>Min</th>
<th>Typ</th>
<th>Nom</th>
<th>Max</th>
<th>Unit</th>
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<tbody>
<tr>
<td>D</td>
<td>package length</td>
<td>12.4</td>
<td>-</td>
<td>12.5</td>
<td>12.6</td>
<td>mm</td>
</tr>
<tr>
<td>E</td>
<td>package width</td>
<td>6</td>
<td>-</td>
<td>6.1</td>
<td>6.2</td>
<td>mm</td>
</tr>
<tr>
<td>A</td>
<td>seated height</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.2</td>
<td>1.2</td>
</tr>
<tr>
<td>A₂</td>
<td>package height</td>
<td>0.85</td>
<td>-</td>
<td>0.9</td>
<td>1.05</td>
<td>mm</td>
</tr>
<tr>
<td>e</td>
<td>nominal pitch</td>
<td>-</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>n₂</td>
<td>actual quantity of termination</td>
<td>-</td>
<td>-</td>
<td>48</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Table 1. Package summary
2. Package outline

TSSOP48: plastic thin shrink small outline package; 48 leads; body width 6.1 mm

Dimensions (mm are the original dimensions)

<table>
<thead>
<tr>
<th>Unit</th>
<th>A</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>b_p</th>
<th>c</th>
<th>D(1)</th>
<th>E(2)</th>
<th>e</th>
<th>H_E</th>
<th>L</th>
<th>L_p</th>
<th>Q</th>
<th>v</th>
<th>w</th>
<th>y</th>
<th>Z</th>
<th>θ</th>
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<tbody>
<tr>
<td></td>
<td>mm</td>
<td>nom</td>
<td>min</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>max</td>
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<td>1.05</td>
<td>0.28</td>
<td>0.2</td>
<td>12.6</td>
<td>6.2</td>
<td>8.3</td>
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<td>0.8</td>
<td>0.5</td>
<td>0.25</td>
<td>0.08</td>
<td>0.1</td>
<td>0.04</td>
<td>0.17</td>
<td>0.12</td>
<td>0.4</td>
<td>8°</td>
</tr>
<tr>
<td>nom</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>min</td>
<td>0.05</td>
<td>0.85</td>
<td>0.17</td>
<td>0.1</td>
<td>12.4</td>
<td>6.0</td>
<td>7.9</td>
<td>0.4</td>
<td>0.35</td>
<td>0.4</td>
<td>0.25</td>
<td>0.08</td>
<td>0.1</td>
<td>0.04</td>
<td>0.12</td>
<td>0.12</td>
<td>0.4</td>
<td>0°</td>
</tr>
</tbody>
</table>

Note
1. Plastic or metal protrusions of 0.15 mm maximum per side are not included.
2. Plastic interlead protrusions of 0.25 mm maximum per side are not included.

Fig. 1. Package outline TSSOP48 (SOT362-1)
3. Soldering

Footprint information for reflow soldering of TSSOP48 package

Fig. 2. Reflow soldering footprint for TSSOP48 (SOT362-1)
4. Legal information

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For sales office addresses, please send an email to: salesaddresses@nexperia.com
Date of release: 18 October 2018

plastic, thin shrink small outline package; 48 leads; 0.5 mm pitch; 12.8 mm x 6.1 mm x 1.2 mm body