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>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>package length</td>
<td>27.9</td>
<td>-</td>
<td>28</td>
<td>28.1</td>
<td>mm</td>
</tr>
<tr>
<td>E</td>
<td>package width</td>
<td>27.9</td>
<td>-</td>
<td>28</td>
<td>28.1</td>
<td>mm</td>
</tr>
<tr>
<td>A</td>
<td>seated height</td>
<td>[tbd]</td>
<td>-</td>
<td>1.6</td>
<td>1.6</td>
<td>mm</td>
</tr>
<tr>
<td>A₂</td>
<td>package height</td>
<td>1.35</td>
<td>-</td>
<td>1.4</td>
<td>1.45</td>
<td>mm</td>
</tr>
<tr>
<td>n₂</td>
<td>actual quantity of termination</td>
<td>-</td>
<td>-</td>
<td>208</td>
<td>-</td>
<td>mm</td>
</tr>
</tbody>
</table>
2. Package outline

LQFP208; plastic low profile quad flat package; 208 leads; body 28 x 28 x 1.4 mm

DIMENSIONS (mm are the original dimensions)

<table>
<thead>
<tr>
<th>UNIT</th>
<th>A max.</th>
<th>A1</th>
<th>A2</th>
<th>A3</th>
<th>bP</th>
<th>c</th>
<th>D1</th>
<th>E1</th>
<th>e</th>
<th>H_D</th>
<th>H_E</th>
<th>L</th>
<th>L_p</th>
<th>v</th>
<th>w</th>
<th>y</th>
<th>Z_D</th>
<th>Z_E</th>
<th>θ</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>1.6</td>
<td>0.15</td>
<td>1.45</td>
<td>0.25</td>
<td>0.27</td>
<td>0.20</td>
<td>0.09</td>
<td>28.1</td>
<td>28.1</td>
<td>30.15</td>
<td>30.15</td>
<td>1</td>
<td>0.75</td>
<td>0.12</td>
<td>0.08</td>
<td>0.08</td>
<td>1.43</td>
<td>1.43</td>
<td>7°</td>
</tr>
</tbody>
</table>

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

OUTLINE VERSION | REFERENCES | EUROPEAN PROJECTION | ISSUE DATE
--- | --- | --- | ---
SOT459-1 | IEC 136E30, JEDEC MS-026 | - | -00-02-06-03-02-20

Fig. 1. Package outline LQFP208 (SOT459-1)
3. Soldering

Footprint information for reflow soldering of LQFP208 package

![Fig. 2. Reflow soldering footprint for LQFP208 (SOT459-1)](image)

<table>
<thead>
<tr>
<th>DIMENSIONS in mm</th>
<th>P1</th>
<th>P2</th>
<th>Ax</th>
<th>Ay</th>
<th>Bx</th>
<th>By</th>
<th>C</th>
<th>D1</th>
<th>D2</th>
<th>Gx</th>
<th>Gy</th>
<th>Hx</th>
<th>Hy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.500</td>
<td>0.560</td>
<td>31.300</td>
<td>31.300</td>
<td>28.300</td>
<td>28.300</td>
<td>1.500</td>
<td>0.280</td>
<td>0.400</td>
<td>28.500</td>
<td>28.500</td>
<td>31.550</td>
<td>31.550</td>
</tr>
</tbody>
</table>

---

© NXP Semiconductors N.V. 2016. All rights reserved

8 February 2016
4. Legal information

Disclaimers

Limited warranty and liability — Information in this document is believed to be accurate and reliable. However, NXP Semiconductors does not give any representations or warranties, expressed or implied, as to the accuracy or completeness of such information and shall have no liability for the consequences of use of such information. NXP Semiconductors takes no responsibility for the content in this document if provided by an information source outside of NXP Semiconductors.

In no event shall NXP Semiconductors be liable for any indirect, incidental, punitive, special or consequential damages (including - without limitation - lost profits, lost savings, business interruption, costs related to the removal or replacement of any products or rework charges) whether or not such damages are based on tort (including negligence), warranty, breach of contract or any other legal theory.

Notwithstanding any damages that customer might incur for any reason whatsoever, NXP Semiconductors' aggregate and cumulative liability towards customer for the products described herein shall be limited in accordance with the Terms and conditions of commercial sale of NXP Semiconductors.

Right to make changes — NXP Semiconductors reserves the right to make changes to information published in this document, including without limitation specifications and product descriptions, at any time and without notice. This document supersedes and replaces all information supplied prior to the publication hereof.
5. Contents

1. Package summary........................................................1
2. Package outline............................................................ 2
3. Soldering....................................................................... 3
4. Legal information......................................................... 4

© NXP Semiconductors N.V. 2016. All rights reserved

For more information, please visit: http://www.nxp.com
For sales office addresses, please send an email to: salesaddresses@nxp.com
Date of release: 8 February 2016