1 Package summary

Terminal position code  Q (quad)
Package type descriptive code  LQFP100
Package type industry code  LQFP100
Package style descriptive code  LQFP (low profile quad flat package)
Package body material type  P (plastic)
IEC package outline code  136E20
JEDEC package outline code  MS-026
Mounting method type  S (surface mount)
Issue date  20-02-2003
Manufacturer package code  98ASA01402D

Table 1. Package summary

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Min</th>
<th>Nom</th>
<th>Max</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>package length</td>
<td>13.9</td>
<td>14</td>
<td>14.1</td>
<td>mm</td>
</tr>
<tr>
<td>package width</td>
<td>13.9</td>
<td>14</td>
<td>14.1</td>
<td>mm</td>
</tr>
<tr>
<td>seated height</td>
<td>-</td>
<td>1.6</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>package height</td>
<td>1.35</td>
<td>1.4</td>
<td>1.45</td>
<td>mm</td>
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<tr>
<td>nominal pitch</td>
<td>-</td>
<td>0.5</td>
<td>-</td>
<td>mm</td>
</tr>
<tr>
<td>actual quantity of termination</td>
<td>-</td>
<td>100</td>
<td>-</td>
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</table>
2 Package outline

LQFP100: plastic low profile quad flat package; 100 leads; body 14 x 14 x 1.4 mm

Dimensions (mm are the original dimensions)

<table>
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<th>UNIT</th>
<th>A_max</th>
<th>A1</th>
<th>A2</th>
<th>Al</th>
<th>bP</th>
<th>c</th>
<th>D(t)</th>
<th>E(t)</th>
<th>e</th>
<th>H_D</th>
<th>H_E</th>
<th>L</th>
<th>Lp</th>
<th>v</th>
<th>w</th>
<th>y</th>
<th>ZD(t)</th>
<th>ZE(t)</th>
<th>θ</th>
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</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>0.20</td>
<td>14.1</td>
<td>14.1</td>
<td>0.5</td>
<td>16.25</td>
<td>16.25</td>
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<td>0.75</td>
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<td>0.08</td>
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<td>13.9</td>
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<td>15.75</td>
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<td>0.75</td>
<td>0.45</td>
<td>0.2</td>
<td>0.08</td>
<td>1.15</td>
<td>1.15</td>
<td>0°</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Figure 1. Package outline LQFP100 (SOT407-1)
3 Soldering

Figure 2. Reflow soldering footprint for LQFP100 (SOT407-1)
4 Legal information

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