Abstract: A contact tail for an electronic component compatible with surface mount manufacturing techniques. The contact tail is stamped, providing a relatively low manufacturing cost and high precision. High precision in the contact tails in turn provides more reliable solder joints across an array of contact tails in an electronic component. Further, the contact tail may be shaped to reduce the propensity for solder to wick from the attachment area during a reflow operation. Reducing the propensity for solder to wick reduces the chance that solder will interfere with the operation of the electronic component. Additionally, reducing the propensity for solder to wick allows pads to which the contact tail is attached to be positioned via vias, thereby increasing the density with which contacts may be attached to a substrate. The reliability with which electronic assemblies incorporating components using the contact tail is also increased when the contact tail is used in self-centering arrays.
before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
INTERNATIONAL SEARCH REPORT

A  CLASSIFICATION OF SUBJECT MATTER
IPC  HOIR 12/00( 2006 01)

USPC  439/74
According to International Patent Classification (IPC) or to both national classification and IPC

B  FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U S  439/74, 83, 876, 228/180 21, 361/760, 773

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C  DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 4,923,405 (MUNSTERMAN et al ) 8 May 1990 (08 05 1990), entire document</td>
<td>9 and 10</td>
</tr>
<tr>
<td>Y</td>
<td>US 4,732,565 (ITO et al ) 22 March 1988 (22 03 1988), entire document</td>
<td>1, 2 and 17-19</td>
</tr>
<tr>
<td>Y</td>
<td>US 4,927,372 (COLLIER) 22 May 1990 (22 05 1990), entire document</td>
<td>12-16 and 23-28</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C

See patent family annex

Date of the actual completion of the international search
19 August 2008 (19 08 2008)

Name and mailing address of the ISA/US
Mail Stop PCT, Attn ISA/US
Commissioner for Patents
P O Box 1450
Alexandria, Virginia 22313-1450
Facsimile No (571) 273-3201

Authorized officer
Marianne Seidel
Telephone No (571)272-1600

Form PCT/ISA/210 (second sheet) (April 2007)
# INTERNATIONAL SEARCH REPORT

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 4,949,163 (SUDO et al.) 14 August 1990 (14 08 1990), entire document</td>
<td>12-16 and 23-28</td>
</tr>
<tr>
<td>Y</td>
<td>US 2,206,662 (CONRAD et al.) 2 July 1940 (02 07 1940), entire document</td>
<td>29-33</td>
</tr>
</tbody>
</table>

Form PCT/ISA/210 (continuation of second sheet) (Appl 2007)