Contacts & Solder tabs

The contacts are available at a 2.54mm pitch.

- Low insertion force: 11506
- High insertion force: 10025
- Hi-Flex: 14106

Male contacts
- Square male: 12410
- Reverse square male: 13756
- Short square male: 13595

Male solder tabs
- Double retention: 12887
- Long: 11612
- Retention: 10167
- Short retention: 10067
- Standard: 10241
- Standard short: 10141

Summary
All contacts & solder tabs are produced in-house by. The products comply with most rigorous mechanical, electrical and thermal specifications. Quality is a major issue at.

Highlight

Contact Specifications

<table>
<thead>
<tr>
<th>Contacts</th>
<th>Specifications</th>
<th>Cores</th>
</tr>
</thead>
<tbody>
<tr>
<td>10025 HIGH INSERTION FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Resistance: &lt; 5m Ohm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Initial Force: 3.5N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Operating Force: 2.5N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Max cycles: 20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended for up to 10 contacts</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11506 LOW INSERTION FORCE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Resistance: &lt; 10m Ohm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Initial Force: 1.5N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Operating Force: 1.5N</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- Max cycles: 100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14106 HI-FLEX</td>
<td></td>
<td></td>
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<tr>
<td>- Resistance: &lt; 15m Ohm</td>
<td></td>
<td></td>
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<tr>
<td>- Initial Force: 2.5N</td>
<td></td>
<td></td>
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<tr>
<td>- Operating Force: 1N</td>
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<td></td>
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<tr>
<td>- Max cycles: 500 and +</td>
<td></td>
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</tr>
</tbody>
</table>

Housings for female contacts

- Typical housings:
  - Standard OFxx for removable connection with all types of 0.635 mm square or round pin headers. Housings are side to side and end to end stackable.
  - Latching housing OLxx/OMxx for easy mating and unmating to a walled pin header (industry standard locking system).
  - Detent style housing ODxx with retention feature.
  - Latching receptacle housing 1Lxx for the locking of OMxx/OLxx (with 12410 square male contact only).

- Dual row housing 4Fxx for connection of a double row flexible jumper onto a 2 rows, 0.635 mm square or round pin header.

- Low profile housing 7Fxx for right angle connections in high density packaging.

- Low profile housing 2E/4Exx for single/double row walled pin headers.

Summary: all housings have been designed in-house by. Made of thermoplastic filled with glass fiber and classified UL 94 VO, the housings are known for an excellent resistance to thermal changes and high temperatures.

Accessories:
- Polarization keys

Flexible jumpers

For board-to-board connections (pitch 2.54 mm)

The crimping of the contacts is obtained by piercing the conductor in 6 points, which ensures excellent mechanical retention by 2 points and electrical contact by 4 points with the lowest possible contact resistance.

Crimping environment
- Copper conductive, silver or carbon ink printing, ...
- All types of flexible circuits with thickness from 125 μ to 350 μ (other also possible: thinner & thicker!)
- Can pierce most supports: polyester, FR4, polyimide, PTFE, ...

Jumpers
- Single and double row
- Straight or 90°
- Cable with up to 36 conductors
- With tin or gold contacts
- To be soldered or as a removable connection
- Insulation possible with polyimide adhesive
- Custom configurations

Standard Part Numbering System

<table>
<thead>
<tr>
<th>Connector Style</th>
<th>Solderbraid</th>
<th>Number of Conductors</th>
<th>Conductor Size</th>
<th>Length in mm</th>
<th>Style</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>Standard Solderbraid, P/N 10261-12</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S2</td>
<td>Double Retention Solderbraid, P/N 10267-12</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S3</td>
<td>High Retention Female Contact, P/N 10025-22</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S4</td>
<td>Low Retention Female Contact, P/N 11506-12</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S5</td>
<td>High Retention Male Contact, P/N 11506-12</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S6</td>
<td>Low Retention Male Contact, P/N 11506-12</td>
<td>254</td>
<td>0.076 mm x 1.17 mm</td>
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</tbody>
</table>

Connectors Style

- 254 PW: Standard White Polyimide
- 14: 0.076 mm x 1.17 mm
- 254 00305: -

- Male Pin
  - Short Male Pin, P/N 13095-12
  - Long Male Pin, P/N 13095-12
  - Short Male Pin, Selective gold plating, P/N 13095-12
  - Long Male Pin, Selective gold plating, P/N 13095-12

- Female Pin
  - Short Female Pin, P/N 13095-12
  - Long Female Pin, Selective gold plating, P/N 13095-12
  - Short Female Pin, Selective gold plating, P/N 13095-12
  - Long Female Pin, Selective gold plating, P/N 13095-12

* Male or Female pin heights must be specified.