USB Type-A Connectors

Stewart Connector’s USB 2.0 and USB 3.0 Type-A connectors are designed to meet the ever-growing demand for small yet reliable I/O connectors that comply to Universal Serial Bus standards.

Stewart Connector USB 3.0 connectors are fully backwards compatible with USB 2.0 and 1.0 connectors allowing for re-designs without having to update or change the mating connector. Stewart’s line of USB connectors are known for being reliable, robust and versatile for all USB applications.

Features & Benefits

- High temperature plastic material used for reflow or wave soldering
- 30 micro inches of gold on the contacts
- USB 3.0 can deliver 5 Gbit/s and USB 2.0 can achieve 480 Mbit/s
- USB 3.0 can withstand a peak current rating of 1.8 A per contact while USB 2.0 can withstand a peak current rating of 1.5 A per contact
- Operating temperature -55°C to 85°C
- All configurations are shielded
- Stacked, right angle, vertical orientations offered
- Through hole soldering
- Type A receptacle configuration for all USB offerings
- Plug and play capability that allows for hot pluggable insertion and ejection

Applications

- Desktop and Laptop Computers
- Portable Storage Devices
- IoT Applications
- Printers and Scanners
- Audio and Diagnostic Applications
- POS Equipment
- Servers
- Game Ports

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Connector Type</th>
<th>Ports</th>
<th>Orientation</th>
<th>Termination</th>
<th>Shielded</th>
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</thead>
<tbody>
<tr>
<td>SS-52100-001</td>
<td>USB 2.0 - A</td>
<td>1</td>
<td>Horizontal</td>
<td>Solder</td>
<td>Yes</td>
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<tr>
<td>SS-52100-002</td>
<td>USB 2.0 - A</td>
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<tr>
<td>SS-52100-003</td>
<td>USB 2.0 - A</td>
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<td>USB 3.0 - A</td>
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