**Isometric View**

**Electrical:**
- **Current Rating:** 3A
- **Contact Resistance:** < 20 Milliohm Max.
- **Insulation Resistance:** > 100 MΩ Max.
- **Dielectric Withstanding Voltage:** 100 VAC for 1 Minute

**Material:**
- **Insulator:** LCP, UL94V-0, Black
- **Contacts:** Copper Alloy
  - **Contact Plating:**
    - 30μ" Gold Plating on Contact Area
    - 120μ" Matte Tin on Solder Area with 80μ" Nickel All Over
    - **Shell:** Nickel Plating

**Mechanical:**
- **Insertion Force:** 5 ~ 20N Max.
- **Withdrawal Force:** 8 ~ 20N Min.
- **Durability:** 10000 Cycles

**How to Order:**
- **Number of Positions:**
  - 03 - 24 Position Combo SMT & Thru Hole
  - 08 - Combo Thru Hole & SMT
- **Body Style:**
  - 0 - Female Right Angle
- **Insulator Color:**
  - 0 - Black
  - 1 - Blue
- **Mounting Style:**
  - SHELL: GND

**Recommended PCB Layout**

**Signal Name**

<table>
<thead>
<tr>
<th>Pin</th>
<th>Signal Name</th>
<th>Mating Sequence</th>
<th>Pin</th>
<th>Signal Name</th>
<th>Mating Sequence</th>
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</thead>
<tbody>
<tr>
<td>A1</td>
<td>GND</td>
<td>First</td>
<td>B12</td>
<td>GND</td>
<td>First</td>
</tr>
<tr>
<td>A2</td>
<td>SSTxp1</td>
<td>Second</td>
<td>B11</td>
<td>SSTxnp1</td>
<td>Second</td>
</tr>
<tr>
<td>A3</td>
<td>SSTx1n</td>
<td>Second</td>
<td>B10</td>
<td>SSTxn1</td>
<td>Second</td>
</tr>
<tr>
<td>A4</td>
<td>VBUS</td>
<td>First</td>
<td>B9</td>
<td>VBUS</td>
<td>First</td>
</tr>
<tr>
<td>A5</td>
<td>CC1</td>
<td>Second</td>
<td>B8</td>
<td>SBU2</td>
<td>Second</td>
</tr>
<tr>
<td>A6</td>
<td>Dp1</td>
<td>Second</td>
<td>B7</td>
<td>Dn2</td>
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<tr>
<td>A7</td>
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<td>B6</td>
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<tr>
<td>A8</td>
<td>SBU1</td>
<td>Second</td>
<td>B5</td>
<td>CC2</td>
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</tr>
<tr>
<td>A9</td>
<td>VBUS</td>
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<td>B4</td>
<td>VBUS</td>
<td>First</td>
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<tr>
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<tr>
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<td>GND</td>
<td>First</td>
<td>B1</td>
<td>GND</td>
<td>First</td>
</tr>
</tbody>
</table>

**Contact Area Plating:**
- 0 - 4u" Au
- 1 - 7u" Au
- 2 - 10u" Au
- 3 - 15u" Au
- 4 - 30u" Au

**Packaging:**
- 0 - Tray
- 2 - Tape & Reel

**RoHS Compliant**

**SMP TECHNOLOGY, INC.**

USB 3.1 Receptacle, Type C Combo Thru Hole & Surface Mount Contacts, Thru Hole (Back) SMT (Front) Shell Legs

**Scale:** N/A

**Tol. Dec.:** X +/- 0.25 XX +/- 0.20 Angle +/- 5°

**Unit:** mm

**Series:** UX05-0308-00XX-Z

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