MATERIALS
1. HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0, BLACK.
2. TERMINAL: COPPER ALLOY.
   PLATING: UNDER NICKEL PLATING OVER ALL
   GOLD PLATING ON CONTACT AREA
   GOLD FLASH PLATED ON SOLDER TAILS.
3. MID PLATE: STAINLESS STEEL CLEAR ONLY.
4. FRONT SHELL: STAINLESS STEEL UNDER PLATED OVER ALL.

SPECIFICATION
1. CURRENT RATING: 5.0A
2. VOLTAGE RATING: 5.0V
3. DIELECTRIC WITHSTANDING VOLTAGE: 1000V AC R.M.S. FOR ONE MINUTE.
4. INSULATION RESISTANCE: 100M OHMS MIN.
5. CONTACT RESISTANCE:
   VILS & GND PINS AND OTHER PINS: 40mΩ/PIN MAX.
   SHIELD: 50mΩ/MAX.
   IL/IVR MAX. CHANGE OF ALL PINS: 10mΩ.
6. INSERTION FORCE: 0.5~2.0KG
7. EXTRACTION FORCE: 0.8~2.0KG
8. DURABILITY: 10,000 CYCLE
9. OPERATING TEMPERATURE: -25°C TO +85°C
10. IR REFLOW:
    THE PEAK TEMPERATURE ON THE BOARD SHALL
    BE MAINTAINED FOR 10 SECONDS AT 260°C.

PART NUMBER INFORMATION:
239F316-XNOXXD-X

SECTION A-A

SEE TABLE 1

DIMENSIONS
DIM "A": 0.5±0.20mm
DIM "B": 0.8±0.20mm

CONTACT PLATING OPTION:
0: GOLD FLASH
3: 15μ" GOLD
6: 30μ" GOLD

Astron Technology Corp.

DRAWER: NAME: ASTRON TECHNOLOGY CORP.
CHECK: USB C F 16PIN (L=6.5)
USB TYPE-C PIN ASSIGNMENTS

<table>
<thead>
<tr>
<th>PIN NUMBER</th>
<th>SIGNAL NAME</th>
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<th>SIGNAL NAME</th>
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<tbody>
<tr>
<td>A1</td>
<td>GND</td>
<td>B12</td>
<td>GND</td>
</tr>
<tr>
<td>A4</td>
<td>VBUS</td>
<td>B9</td>
<td>VBUS</td>
</tr>
<tr>
<td>A5</td>
<td>CC1</td>
<td>B8</td>
<td>SBU2</td>
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<tr>
<td>A6</td>
<td>Dp1</td>
<td>B7</td>
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<tr>
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<tr>
<td>A12</td>
<td>GND</td>
<td>B1</td>
<td>GND</td>
</tr>
</tbody>
</table>

RECOMMENDED PCB LAYOUT (TOP VIEW)
THICKNESS 0.60MM, DEFAULT TOLERANCE ±0.05
QUANTITY:
1. 1200PCS/REEL.
2. 10REEL/12000PCS/CARTON.