BUCCANEER FOR DATA
400 Series - Mini USB Buccaneer
IP68 Sealed

- IP68, Tested in accordance with EN60529:1992+A2:2013
- IP69K, Tested in accordance with DIN 40050/Part 9
- IP6k9k
- USB version 2.0 performance
- Plug and play capability
- Shielded system
- Overmoulded cables
- Screw coupling
- PCB versions
- Dust and waterproof to EN60529
- Data rates up to 480Mbps
- Hot pluggable, standard 4 Contacts interface
- High noise immunity
- Tamperproof construction
- Secure, proven locking system
- Direct mounting or via adaptor leads
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

---

Image of a Mini USB Buccaneer connector with a blue cap.
Sealed Mini ‘B’ to Standard ‘A’

- IP68 Sealed Mini ‘B’ Plug to Standard ‘A’ Plug
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458

Part No. | Length | Description
--- | --- | ---
PX0441/2M00 | 2.0m | IP68 Sealed Mini ‘B’ to Standard ‘A’ Type USB
PX0441/3M00 | 3.0m | IP68 Sealed Mini ‘B’ to Standard ‘A’ Type USB
PX0441/4M50 | 4.5m | IP68 Sealed Mini ‘B’ to Standard ‘A’ Type USB
PX0442/2M00 | 2.0m | IP68 Sealed Mini ‘B’ to Mini ‘A’ Type USB
PX0442/3M00 | 3.0m | IP68 Sealed Mini ‘B’ to Mini ‘A’ Type USB
PX0442/4M50 | 4.5m | IP68 Sealed Mini ‘B’ to Mini ‘A’ Type USB
PX0444/2M00 | 2.0m | IP68 Sealed Mini ‘A’ to Mini ‘B’ Type USB
PX0444/3M00 | 3.0m | IP68 Sealed Mini ‘A’ to Mini ‘B’ Type USB
PX0444/4M50 | 4.5m | IP68 Sealed Mini ‘A’ to Mini ‘B’ Type USB
# 400 Series - Mini USB Buccaneer

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0443</td>
<td>IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear.</td>
</tr>
<tr>
<td>PX0459</td>
<td>As PX0443 with exposed braid for use with PX0464 screening can</td>
</tr>
</tbody>
</table>

**Front Panel Mounting Connector**
- Mini ‘B’ Type Receptacle
- Leaded with 5 way crimp, for use with PCB header
- Mates with PX0441 & PX0442 type cables

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0456</td>
<td>IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX046</td>
<td>IP68 B type Mini USB, rear panel mounted. 5 way header connector at rear.</td>
</tr>
<tr>
<td>PX0447</td>
<td>IP68 B type Mini USB, rear panel mounted. PCB terminals at rear.</td>
</tr>
</tbody>
</table>

**Rear Panel Mounting Connector**
- Mini ‘B’ Type Receptacle
- Leaded with 5 way header
- Mates with PX0441 & PX0442 type cables

**Rear Panel Mounting Connector**
- Mini ‘B’ Type Receptacle
- With Plugs for direct PCB mounting
- Mates with PX0441 & PX0442 type cables

---

**Mini ‘B’ Type Receptacle**

---

**Mini ‘AB’ Type Receptacle**

---

**Mini ‘B’ Type Receptacle**

---

**Mini ‘B’ Type Receptacle with Plugs for direct PCB mounting**

---
Rear Panel Mounting Connector

- Mini ‘AB’ Type Receptacle
- Leaded with 6 way header
- Mates with PX0441, PX0442 & PX0444 type cables

PX0457

Rear Panel Mounting Connector

- Mini ‘AB’ Type Receptacle
- With Plugs for direct PCB mounting
- Mates with PX0441, PX0442 & PX0444 type cables

PX0458

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0457</td>
<td>IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear.</td>
</tr>
<tr>
<td>PX0458</td>
<td>IP68 AB type Mini USB, rear panel mounted. PCB terminals at rear.</td>
</tr>
</tbody>
</table>

Screening Can

- Maintains cable screening directly to panel
- Shielding can clips around the panel fixing nut
- For use on PX0459

PX0464

### Accessories

- Sealing caps to maintain IP rating when connectors are not in use
- PCB headers for use with PX0443 & PX0456

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0485</td>
<td>Sealing cap for use with PX0441, PX0442 &amp; PX0444</td>
</tr>
<tr>
<td>PX0480</td>
<td>Sealing cap for use with PX0443 &amp; PX0456</td>
</tr>
<tr>
<td>PX0484</td>
<td>Sealing cap for use with PX0446, PX0447, PX0457 &amp; PX0458</td>
</tr>
<tr>
<td>14191</td>
<td>5 way straight header</td>
</tr>
<tr>
<td>14192</td>
<td>5 way right angle header</td>
</tr>
<tr>
<td>14563</td>
<td>6 way straight header</td>
</tr>
<tr>
<td>14564</td>
<td>6 way right angle header</td>
</tr>
</tbody>
</table>
Cables & connectors

**Mechanical**

Sealing  
IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks)  
IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k

Operating temperature  
0°C to +70°C

Salt Mist  
EN60068-2-52 Test Kb Salt Mist (Cyclic)  
Marine Severity Level 1

**Electrical**

No. of Contacts  
4 and 5

Current rating  
1A

Voltage rating  
30V AC, 42V DC

Contact resistance  
50m Ω max.

Performance  
USB version 2.0

**Materials - Overmoulded**

Overmould material  
PVC (black)

Flammability rating  
UL94V-0

**Materials - Re-wireable and Panel Connectors**

Shell material  
Steel

Shell plating  
Nickel

Contact material  
Copper Alloy

Contact plating  
50 micro inch Gold

Connector body & locking ring  
Polyester

Panel connector  
Nylon 6

Flammability rating  
UL94V-0

‘O’ rings  
Nitrile

Mating cycles  
5,000

**RoHS**

**Materials - cable**

Cable Jacket  
PVC (black)

Screen  
Tinned copper braid

Flammability  
UL94V-0

**RoHS**

Length:  

<table>
<thead>
<tr>
<th>Length</th>
<th>Dia</th>
<th>Conductors</th>
<th>Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>2m</td>
<td>4.8mm</td>
<td>2 x 28AWG</td>
<td>2 x 24AWG</td>
</tr>
<tr>
<td>3m</td>
<td>5.0mm</td>
<td>2 x 28AWG</td>
<td>2 x 22AWG</td>
</tr>
<tr>
<td>5m</td>
<td>5.2mm</td>
<td>2 x 25AWG</td>
<td>2 x 20AWG</td>
</tr>
</tbody>
</table>

**Cable construction - PX0441, PX0442, PX0444**

PVC Jacket  
Braid  
Insulation SR-PVC  
Conductor  
2m - 24AWG  
3m - 22AWG  
5m - 20AWG  
Drain Wire  
Insulation - Polyolefin  
Insulation HD - PE  
Conductor  
2m - 28AWG  
3m - 28AWG  
5m - 25AWG