IP68 rated
IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
USB version 2.0 performance
Plug and play capability
Visual mating indication
Shielded system
Single and double ended cables
Screw coupling
PCB versions
Dust and waterproof sealing when mated

Low and high speed bus connection, 1.5Mbs to 480Mbs
Hot pluggable, standard 4 pole interface
Alignment indicator reduces risk of damage during mating
High noise immunity and EMI protection
Suitable for PC and peripheral configuration
Secure, proven locking system
Direct mounting or via adaptor leads
EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
## Standard Buccaneer - USB

### Sealed USB Cables - Single Ended

**Single ended sealed cable assembly**
- IP68 ‘A’ type USB connector to standard ‘B’ type USB connector, mates with all panel mount connectors
- IP68 ‘B’ type USB connector to standard ‘A’ type USB connector, mates with all panel mount connectors
- Available in 2m, 3m and 5m lengths

**Part no.** | **Length** | **Description**
--- | --- | ---
PX0840/A/2M00 | 2m | IP68 A type USB to standard B type USB
PX0840/A/3M00 | 3m | IP68 A type USB to standard B type USB
PX0840/A/5M00 | 5m | IP68 A type USB to standard B type USB
PX0840/B/2M00 | 2m | IP68 B type USB to standard A type USB
PX0840/B/3M00 | 3m | IP68 B type USB to standard A type USB
PX0840/B/5M00 | 5m | IP68 B type USB to standard A type USB

### Sealed USB Cables Double Ended

**Double ended sealed cable assembly**
- IP68 ‘A’ type USB connector to IP68 ‘B’ type USB connector
- Mates with all panel mount connectors
- Available in 2m, 3m and 5m lengths

**Part no.** | **Length** | **Description**
--- | --- | ---
PX0841/AB/2M00 | 2m | IP68 A type USB to IP68 B type USB
PX0841/AB/3M00 | 3m | IP68 A type USB to IP68 B type USB
PX0841/AB/5M00 | 5m | IP68 A type USB to IP68 B type USB
Standard Buccaneer - USB

### Front Panel Mounting Connector

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0842/A</td>
<td>IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear.</td>
</tr>
<tr>
<td>PX0842/B</td>
<td>IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.</td>
</tr>
</tbody>
</table>

### Part no. | Description |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0843/A</td>
<td>IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.</td>
</tr>
<tr>
<td>PX0843/B</td>
<td>IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.</td>
</tr>
<tr>
<td>PX0460/A</td>
<td>As PX0843/A with exposed braid for use with PX0465 screening can</td>
</tr>
<tr>
<td>PX0460/B</td>
<td>As PX0843/B with exposed braid for use with PX0465 screening can</td>
</tr>
</tbody>
</table>

### Part no. | Description |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0844/A</td>
<td>IP68 Sealed through panel</td>
</tr>
<tr>
<td>PX0844/A</td>
<td>IP68 A type USB, sealed through panel, Sealed ‘A’ type at front of panel, standard ‘A’ type at rear</td>
</tr>
<tr>
<td>PX0844/B</td>
<td>IP68 A type USB, sealed through panel, Sealed ‘A’ type at front of panel, standard ‘B’ type at rear</td>
</tr>
<tr>
<td>PX0844/B</td>
<td>IP68 B type USB, sealed through panel, Sealed ‘B’ type at front of panel, standard ‘B’ type at rear</td>
</tr>
</tbody>
</table>

PX0842/A - USB ‘A’ type IP68 connector  
PX0842/B - USB ‘B’ type IP68 connector  
Opposite connector to rear of panel  
Mates with PX0840 and PX0841 cable connectors

PX0843/A - USB ‘A’ type IP68 connector  
PX0843/B - USB ‘B’ type IP68 connector  
Leaded with 5 way crimp connector  
Mates with PX0840 and PX0841 cable connectors

PX0844/A - USB ‘A’ type IP68 connector  
PX0844/B - USB ‘B’ type IP68 connector  
Standard USB interface plug options to rear of panel  
500mm standard cable length, other lengths available  
Mates with PX0840 and PX0841 cable connectors

PX0842/A - USB ‘A’ type IP68 connector  
PX0842/B - USB ‘B’ type IP68 connector  
Opposite connector to rear of panel  
Mates with PX0840 and PX0841 cable connectors

PX0843/A - USB ‘A’ type IP68 connector  
PX0843/B - USB ‘B’ type IP68 connector  
Leaded with 5 way crimp connector  
Mates with PX0840 and PX0841 cable connectors

PX0844/A - USB ‘A’ type IP68 connector  
PX0844/B - USB ‘B’ type IP68 connector  
Standard USB interface plug options to rear of panel  
500mm standard cable length, other lengths available  
Mates with PX0840 and PX0841 cable connectors
### Rear Panel Mounting Connector

- PX0848/A - USB ‘A’ type IP68 connector
- PX0848/B - USB ‘B’ type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841 cable connectors

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0848/A</td>
<td>IP68 A type USB, rear panel mounted. Sealed A type at front of panel, standard B type at rear.</td>
</tr>
<tr>
<td>PX0848/B</td>
<td>IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear.</td>
</tr>
</tbody>
</table>

### Rear Panel Mounting Connector

- PX0849/A - USB ‘A’ type IP68 connector
- PX0849/B - USB ‘B’ type IP68 connector
- Leaded with 5 way header
- Mates with PX0840 and PX0841 cable connectors

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0849/A</td>
<td>IP68 A type USB, rear panel mounted. Sealed A type at front of panel, 5 way header at rear.</td>
</tr>
<tr>
<td>PX0849/B</td>
<td>IP68 B type USB, rear panel mounted. Sealed B type at front of panel, 5 way header at rear.</td>
</tr>
</tbody>
</table>

### PCB Panel Mounting Connector- PCB Direct Mount

- PX0845/A - USB ‘A’ type IP68 connector
- PX0845/B - USB ‘B’ type IP68 connector
- PCB contacts at rear
- Direct PCB mount
- Mates with PX0840 and PX0841 cable connectors

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0845/A</td>
<td>IP68 A type USB, rear panel mounted. Sealed A type at front of panel, direct mount PCB contacts at rear.</td>
</tr>
<tr>
<td>PX0845/B</td>
<td>IP68 B type USB, rear panel mounted. Sealed B type at front of panel, direct mount PCB contacts at rear.</td>
</tr>
</tbody>
</table>
### Standard Buccaneer - USB

#### Accessories

**PCB Adaptor Leads**

- Standard A and B type USB connectors to 5 way crimp adaptor leads
- 5 way headers, 2.54mm pitch, horizontal or vertical mounting

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>14193</td>
<td>USB ‘A’ type to 5 way crimp connector</td>
</tr>
<tr>
<td>14194</td>
<td>USB ‘B’ type to 5 way crimp connector</td>
</tr>
<tr>
<td>14191</td>
<td>5 way PCB header straight</td>
</tr>
<tr>
<td>14192</td>
<td>5 way PCB header right angle</td>
</tr>
</tbody>
</table>

**Accessories**

- Sealing caps to maintain IP68 rating when connectors are not in use
- PX0835 for cable connectors PX0840 & PX0841
- PX0733 for front panel mount connectors PX0842, PX0843 & PX0844
- PX0711 for rear panel mount connectors PX0848, PX0849 & PX0845

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0835</td>
<td>Sealing Cap for cable connectors (PX0840, PX0841)</td>
</tr>
<tr>
<td>PX0733</td>
<td>Sealing Cap for front panel mounting connector (PX0842, PX0843)</td>
</tr>
<tr>
<td>PX0711</td>
<td>Sealing Cap for rear panel mounting connector (PX0848, PX0849, PX0845)</td>
</tr>
</tbody>
</table>

**USB Flash Drive Cover**

- For use with USB Flash Drives
- Maintains IP68 rating when mated with panel connector
- For use with ‘A’ type connectors: PX0842, PX0843, PX0845, PX0848 & PX0849
- Internal accommodation 17.5 x 14.0 x 83mm approx.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0852</td>
<td>For use with USB Flash Drives</td>
</tr>
</tbody>
</table>

**Screening Can**

- Maintains cable screening directly to panel
- Screening can clips around the panel fixing nut
- For use on PX0460/A and PX0460/B

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0464</td>
<td>For use on PX0460/A and PX0460/B</td>
</tr>
</tbody>
</table>
### Cables & Connectors

#### Mechanical
- **Sealing**
  - IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
  - IP68, EN 60529:1992+A2:2013 (10m depth for 2 weeks)

#### Operating temperature
- 0°C to +70°C

#### Salt Mist
- EN 60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

#### Electrical
- **No. of poles**
  - 4
- **Current rating**
  - 1A
- **Voltage rating**
  - 30Vac (RMS)
- **Contact resistance**
  - 10m Ω max.
- **PCB pitch**
  - 2.54mm

#### Performance
- **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**: 30 micro inch Gold
- **Connector body & locking ring**: Glass Loaded Polyester
- **Flammability rating**: Nylon 6
  - UL94V-0
  - Silicone
  - Neoprene
  - Compliant
- **’O’ rings**: Compliant

#### Mating cycles
- 1,000

#### RoHS
- Compliant

### PCB Adaptor Leads

#### Electrical
- **No. of conductors**: 4
- **Current rating**: 1A
- **Voltage rating**: 30Vac (RMS)
- **Contact resistance**: <10m Ω max.
- **PCB pitch**: 2.54mm

#### Materials
- **Moulding**: Polycarbonate
- **Flammability**: UL94V-0
- **Contact material**: Copper Alloy
- **Contact plating**: 30 micro inch Gold
- **Wire insulation**: PVC (black)
- **Flammability**: UL94V-0
- **Conductors**: 4 x 28AWG
- **Operating temperature**: 0°C to +70°C
- **Mating cycles**: 1,000
- **RoHS**: Compliant

### Cable Construction - PX0840, PX0841

#### PVC Jacket
- **Type**: SR-PVC
- **Insulation**: HD - PE

#### Conductors
- **Signal**
  - 2 x 28AWG
- **Power**
  - 2 x 24AWG

#### Insulation
- **Tinned copper braid**: PVC (black)
- **Compliant**: UL94V-0

#### Length:
- **2m**: 4.8mm
- **3m**: 5.0mm
- **5m**: 5.2mm

#### Flammability
- **RoHS**: Compliant

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**Standard Buccaneer - USB**

**Specifications**