- 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
- 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, 1.5Mbps to 480Mbps
- Hot pluggable, standard 4 Contacts 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
### 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 & 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 & 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

- 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

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0842/A</td>
<td>IP68 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>

### Front Panel Mounting Connector

- PX0843/A - USB 'A' type IP68 connector
- PX0843/B - USB 'B' type IP68 connector
- Lead with 5 way crimp connector
- 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>PX0843/A</td>
<td>IP68 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>

### Front Panel Mounting Connector

- IP68 Sealed through panel
- 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

### Part no. Description

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PX0844/A/OM50/A</td>
<td>IP68 type USB, sealed through panel, Sealed 'A' type at front of panel, standard 'A' type at rear</td>
</tr>
<tr>
<td>PX0844/A/OM50/B</td>
<td>IP68 type USB, sealed through panel, Sealed 'A' type at front of panel, standard 'B' type at rear</td>
</tr>
<tr>
<td>PX0844/B/OM50/A</td>
<td>IP68 B type USB, sealed through panel, Sealed 'B' type at front of panel, standard 'A' type at rear</td>
</tr>
<tr>
<td>PX0844/B/OM50/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>
**BUCCANEER FOR DATA**

**Standard Buccaneer - USB**

**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

<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

<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

<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>
**BUCCANEER FOR DATA**

**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 &amp; PX0844)</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>PX0465</td>
<td>Screening Can</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
- Current rating: 1A
- Voltage rating: 30V AC (RMS)
- Contact resistance: <10m Ω max.
- PCB pitch: 2.54mm

**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
- Panel connector: Acetal
- Flammability rating: UL94 HB
- ‘O’ rings: Silicone
- Panel Gasket - round: Neoprene
- Panel Gasket - square: 1,000 Compliant
- Mating cycles: Compliant

**Materials - cable**

- Cable Jacket: PVC (black)
- Screen: Tinned copper braid
- Flammability: UL94V-0

- Conductor Length:
  - 2m: 2 x 28AWG
  - 3m: 2 x 28AWG
  - 5m: 2 x 25AWG

### PCB adaptor leads

**Electrical**

- No. of conductors: 4
- Current rating: 1A
- Voltage rating: 30V AC (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: UL94-V0
- Conductors: 4 x 28AWG
- Operating temperature: 0°C to +70°C
- Mating cycles: 1,000
- RoHS: Compliant

### Cable construction - PX0840, PX0841

**Insulation**

- PVC Jacket
- SR-PVC
- HD - PE

**Conductor Length**

- 2m: 2 x 28AWG
- 3m: 2 x 22AWG
- 5m: 2 x 20AWG

**Drain Wire**

- Insulation: Polyofein

**Contact Diagram - PX0843 & PX0849**

<table>
<thead>
<tr>
<th>P1</th>
<th>PAIR</th>
<th>WIRE COLOUR</th>
<th>P2</th>
</tr>
</thead>
<tbody>
<tr>
<td>+5V</td>
<td>1</td>
<td>RED</td>
<td>1</td>
</tr>
<tr>
<td>USB- 2</td>
<td>2</td>
<td>WHITE / BLUE</td>
<td>2</td>
</tr>
<tr>
<td>USB+ 3</td>
<td>3</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>GND 4</td>
<td>4</td>
<td>BLACK</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>DRAIN &amp; BRAID</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>