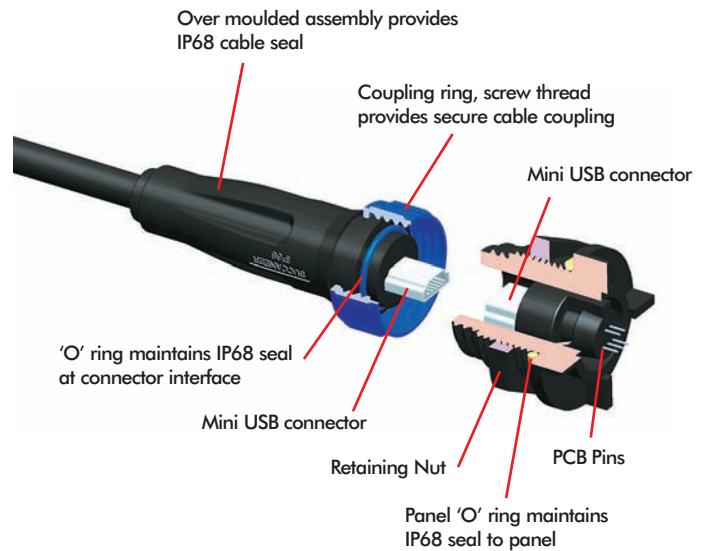


# IP68 Sealed - Mini USB Buccaneer

IP68



- IP68 rated
- USB V2.0 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 pole interface
- ▶ High noise immunity
- ▶ Tamperproof construction
- ▶ Secure, proven locking system
- ▶ Direct mounting or via adaptor leads

**Mini USB Buccaneer**
**SEALED MINI USB CABLES - SINGLE ENDED**

**PX0441**

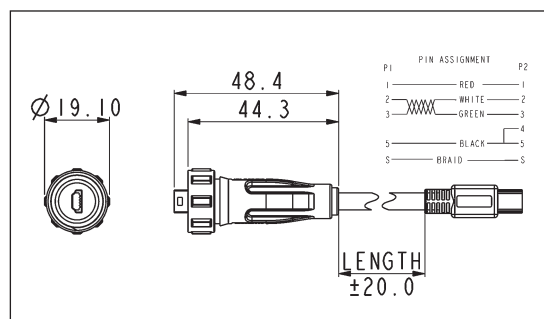
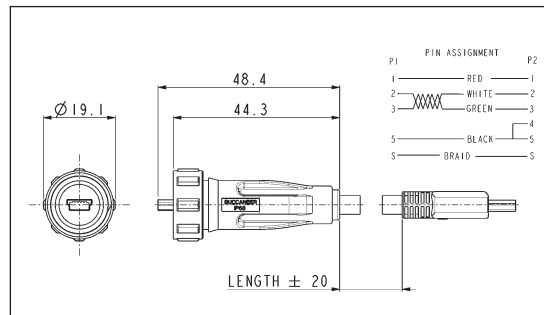
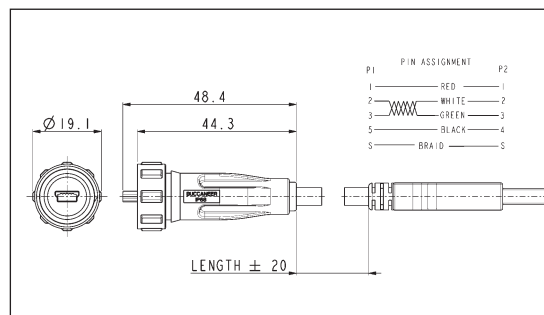
- Standard 'A' type to sealed Mini 'B' type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458


**PX0442**

- Mini 'A' type to sealed mini 'B' type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458


**PX0444**

- Mini 'B' type to Sealed Mini 'A' type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0456, PX0457 & PX0458



| Part No.    | Description                        | Length |
|-------------|------------------------------------|--------|
| PX0441/2M00 | IP68 mini 'B' to Std 'A' type USB  | 2.0m   |
| PX0441/3M00 | IP68 mini 'B' to Std 'A' type USB  | 3.0m   |
| PX0441/4M50 | IP68 mini 'B' to Std 'A' type USB  | 4.5m   |
| PX0442/2M00 | IP68 mini 'B' to Mini 'A' type USB | 2.0m   |
| PX0442/3M00 | IP68 mini 'B' to Mini 'A' type USB | 3.0m   |
| PX0442/4M50 | IP68 mini 'B' to Mini 'A' type USB | 4.5m   |
| PX0444/2M00 | IP68 mini 'A' to Mini 'B' type USB | 2.0m   |
| PX0444/3M00 | IP68 mini 'A' to Mini 'B' type USB | 3.0m   |
| PX0444/4M50 | IP68 mini 'A' to Mini 'B' type USB | 4.5m   |

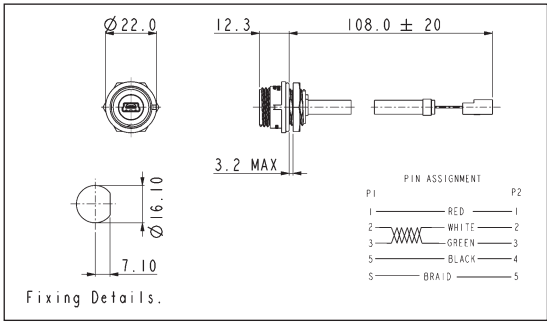
Mini USB Buccaneer

FRONT PANEL MOUNTING CONNECTOR



PX0443

- Mini 'B' type
- Leaded with 5 way crimp, for use with PC header
- Mates with PX0441 & PX0442 type cables



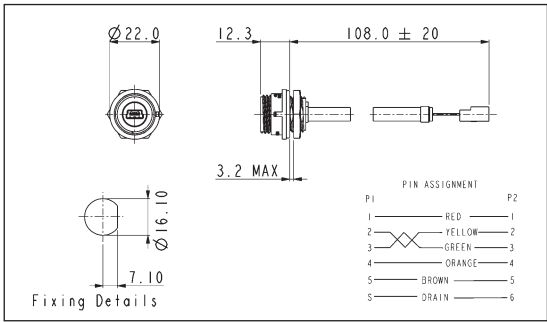
| Part No. | Description                                                               |
|----------|---------------------------------------------------------------------------|
| PX0443   | IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear. |
| PX0459   | As PX0443 with exposed braid for use with PX0464 screening can            |

FRONT PANEL MOUNTING CONNECTOR



PX0456

- Mini 'AB' type
- Leaded with 6 way crimp, for use with PC header
- Mates with PX0441, PX0442 & PX0444 type cables



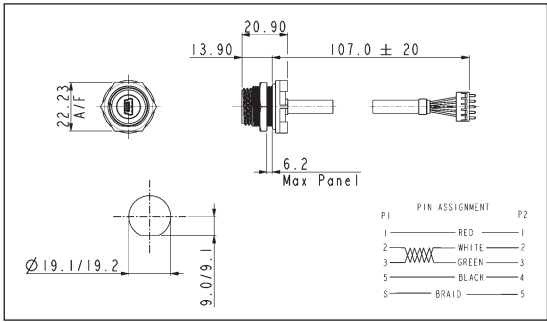
| Part No. | Description                                                                |
|----------|----------------------------------------------------------------------------|
| PX0456   | IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear. |

REAR PANEL MOUNTING CONNECTOR



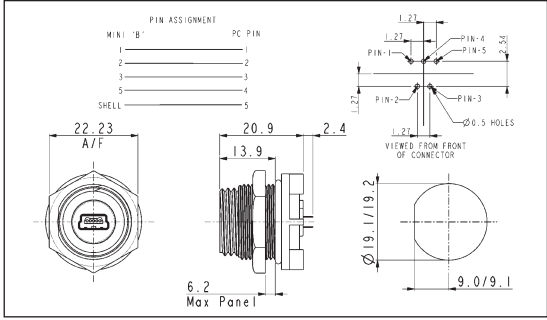
PX0446

- Mini 'B' type
- Leaded with 5 way header
- Mates with PX0441 & PX0442 type cables



PX0447

- Mini 'B' type
- With pins for direct PC mounting
- Mates with PX0441 & PX0442 type cables



| Part No. | Description                                                               |
|----------|---------------------------------------------------------------------------|
| PX0446   | IP68 B type Mini USB, rear panel mounted. 5 way header connector at rear. |
| PX0447   | IP68 B type Mini USB, rear panel mounted. PC terminals at rear.           |

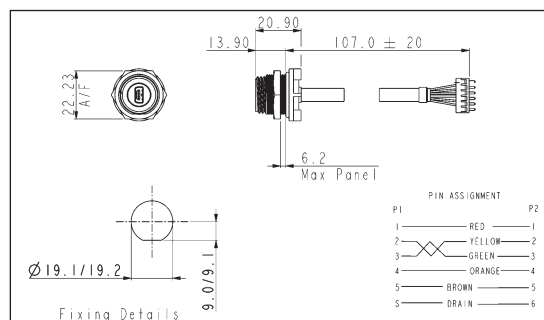
## Mini USB Buccaneer

### REAR PANEL MOUNTING CONNECTOR



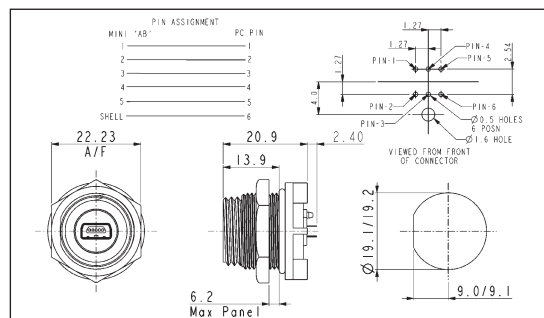
PX0457

- Mini 'AB' type
- Lead with 6 way header
- Mates with PX0441, PX0442 & PX0444 type cables



PX0458

- Mini 'AB' type
- With pins for direct PC mounting
- Mates with PX0441, PX0442 & PX0444 type cables



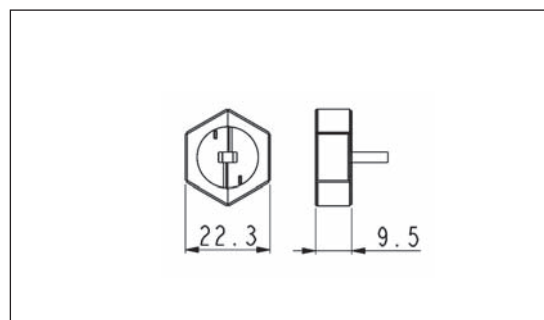
| Part No. | Description                                                                |
|----------|----------------------------------------------------------------------------|
| PX0457   | IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear. |
| PX0458   | IP68 AB type Mini USB, rear panel mounted. PC terminals at rear.           |

### SCREENING CAN



PX0464

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



### ACCESSORIES



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

| Part No. | Description                                              |
|----------|----------------------------------------------------------|
| PX0485   | Sealing cap for use with PX0441, PX0442 & PX0444         |
| PX0480   | Sealing cap for use with PX0443 & PX0456                 |
| PX0484   | Sealing cap for use with PX0446, PX0447, PX0457 & PX0458 |
| 14191    | 5 way straight header                                    |
| 14192    | 5 way right angle header                                 |
| 14563    | 6 way straight header                                    |
| 14564    | 6 way right angle header                                 |

Mini USB Buccaneer

SPECIFICATION

Cables & connectors

Mechanical

Sealing IP68, EN60529  
Operating temperature 0°C to +70°C

Electrical

No. of poles 4 and 5  
Current rating 1A  
Voltage rating 30Vac, 42Vdc  
Contact resistance 50mΩ 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 Silicon  
Panel Gasket Silicon  
Mating cycles 5,000  
RoHS Compliant

Materials - cable

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

| Length: | Dia   | Conductors | Conductors |
|---------|-------|------------|------------|
|         |       | Signal     | Power      |
| 2m      | 4.8mm | 2 x 28AWG  | 2 x 24AWG  |
| 3m      | 5.0mm | 2 x 28AWG  | 2 x 22AWG  |
| 5m      | 5.2mm | 2 x 25AWG  | 2 x 20AWG  |

Cable construction - PX0441, PX0442, PX0444

