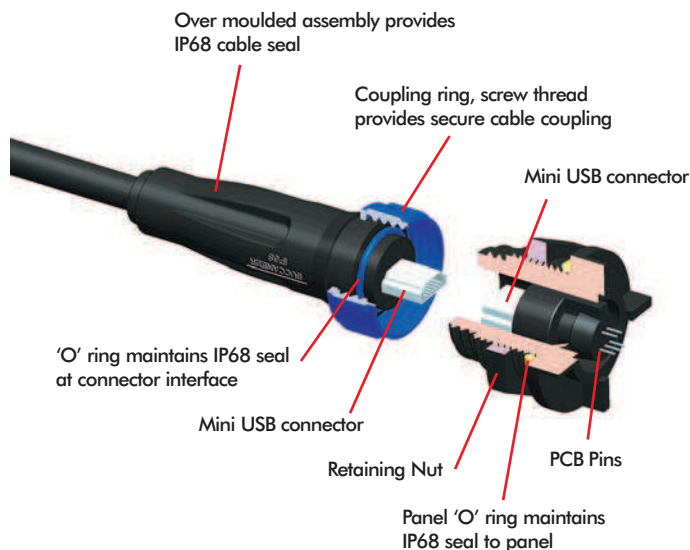


# IP68 Sealed - Mini USB Buccaneer

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**



- 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

PX0441



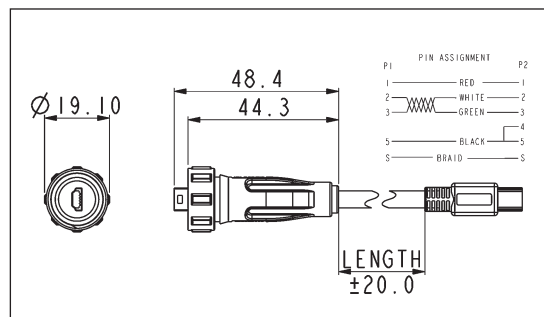
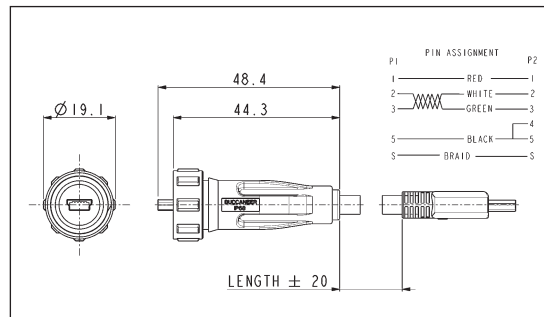
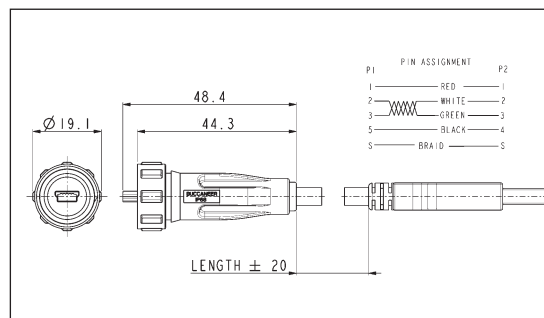
- Mini 'A' type to sealed mini 'B' type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458

PX0442



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

PX0444



| 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   |

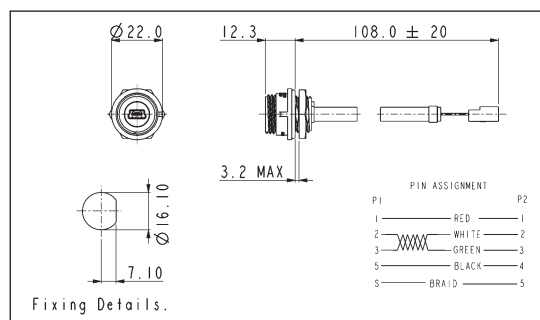
## Mini USB Buccaneer

## FRONT PANEL MOUNTING CONNECTOR



PX0443

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



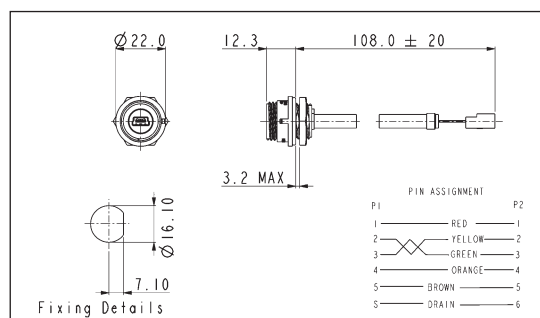
| Part No. | Description                                                               |
|----------|---------------------------------------------------------------------------|
| PX0443   | IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear. |
| PX0459   | As PX0443 with exposed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

## FRONT PANEL MOUNTING CONNECTOR



PX0456

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



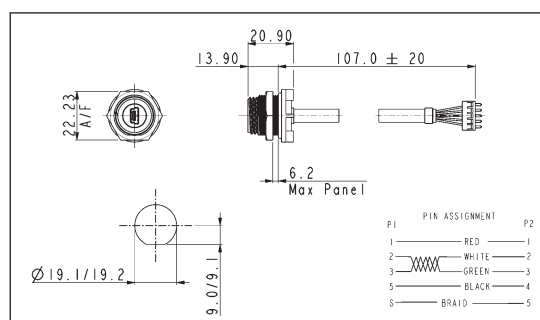
| Part No. | Description                                                                |
|----------|----------------------------------------------------------------------------|
| PX0456   | IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear. |

## REAR PANEL MOUNTING CONNECTOR



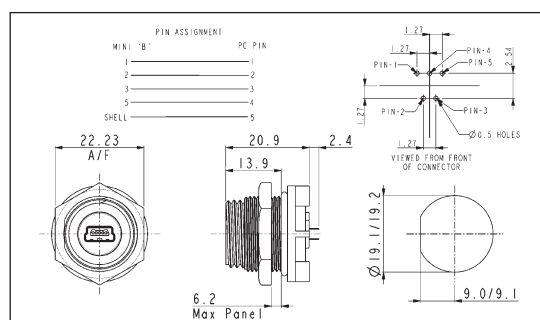
PX0446

- 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.           |



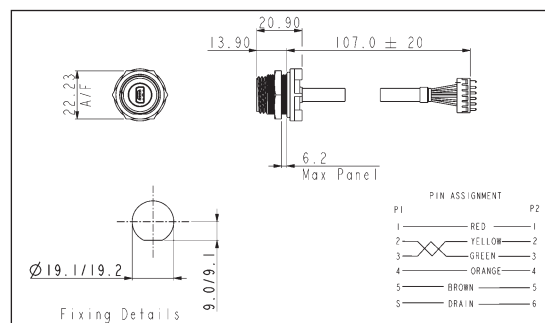
## Mini USB Buccaneer

### REAR PANEL MOUNTING CONNECTOR



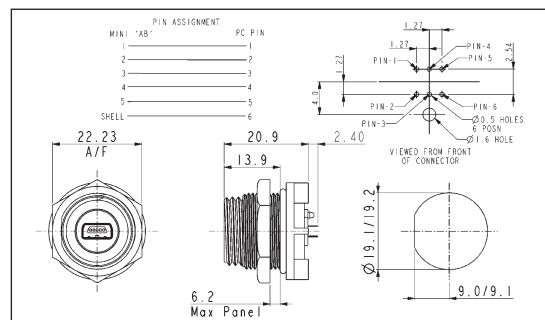
PX0457

- 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



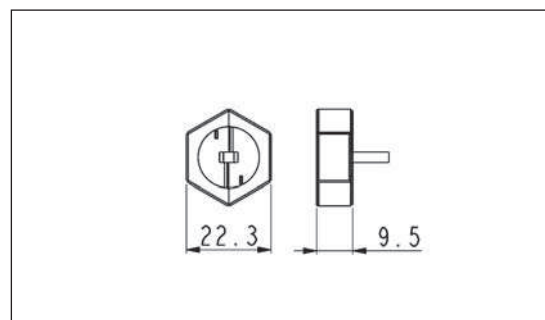
| Part No. | Description                                                                |
|----------|----------------------------------------------------------------------------|
| PX0457   | IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear. |
| PX0458   | IP68 AB type Mini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

