B BULGIN

IP68 Sealed - Mini USB Buccaneer

IP68

BUCCANEER DATA

Over moulded assembly provides IP68 cable seal

Coupling ring, screw thread provides secure cable coupling

Mini USB connector

'O' ring maintains IP68 seal at connector interface

Mini USB connector

Retaining Nut

PCB Pins

Panel 'O' ring maintains IP68 seal to panel

- 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 480Mbs
- ▶ Hot pluggable, standard 4 pole interface
- ▶ High noise immunity
- ▶ Tamperproof construction
- ▶ Secure, proven locking system
- ▶ Direct mounting or via adaptor leads

BULGIN

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
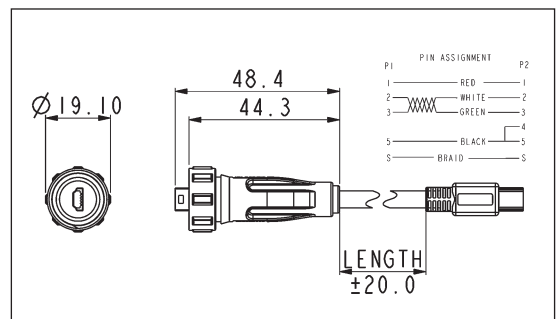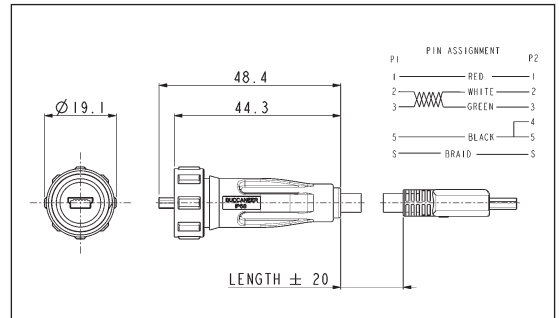- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458

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

BUCCANEER DATA

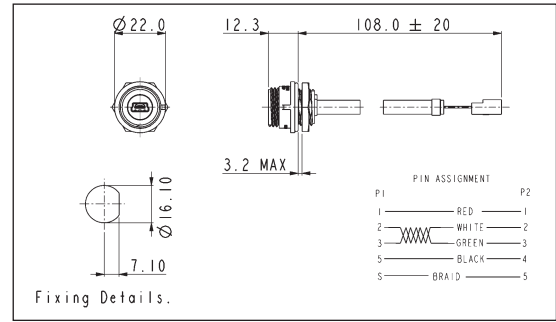| Part No.	Description	Length
PX0441/2M00	IP68 mini 'B' to Std 'A' type USB	2.0m
PX0441/3M00	IP68 mini 'B' to Std 'A' type USB	3.0m
PX0441/4M50	IP68 mini 'B' to Std 'A' type USB	4.5m
PX0442/2M00	IP68 mini 'B' to Mini 'A' type USB	2.0m
PX0442/3M00	IP68 mini 'B' to Mini 'A' type USB	3.0m
PX0442/4M50	IP68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

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

PX0443

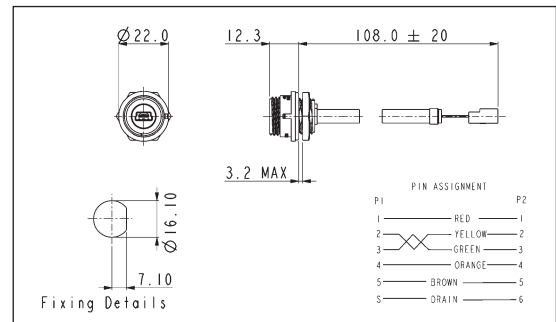| Part No.	Description
PX0443	IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear.
PX0459	As PX0443 with exposed braid for use with PX0464 screening can

FRONT PANEL MOUNTING CONNECTOR

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

PX0456

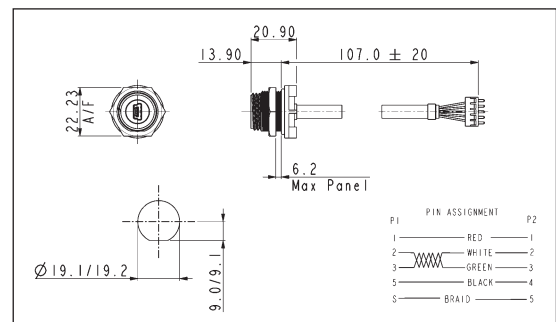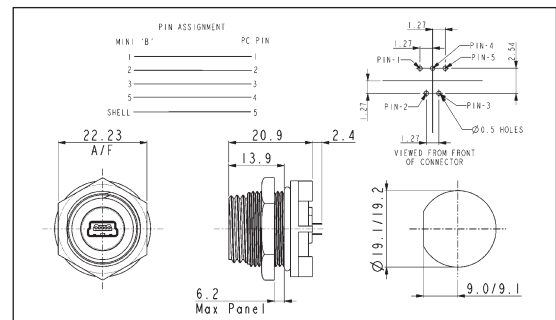| Part No.	Description
PX0456	IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear.

REAR PANEL MOUNTING CONNECTOR

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

PX0446

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

PX0447

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.

REAR PANEL MOUNTING CONNECTOR

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

PX0457

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

PX0458

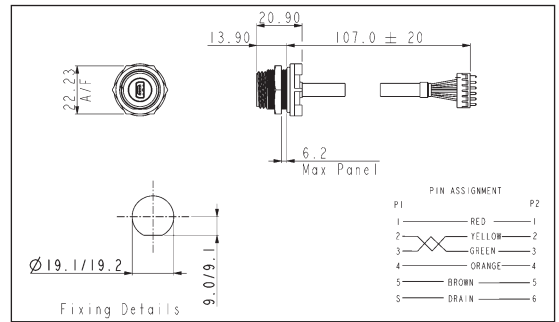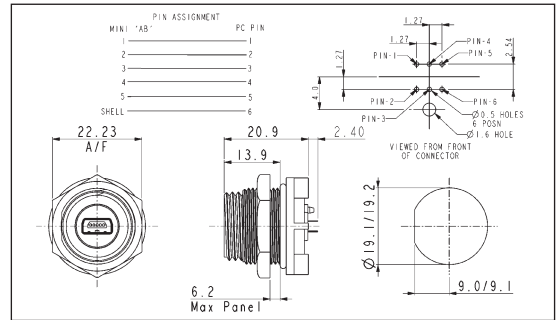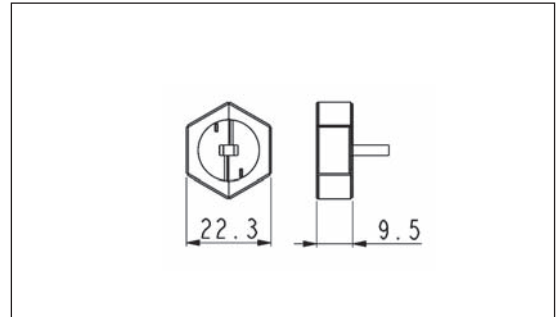| Part No.	Description
PX0457	IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear.
PX0458	IP68 AB type Mini USB, rear panel mounted. PC terminals at rear.

SCREENING CAN

- 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
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

BUCCANEER DATA

B BULGIN

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	Nitrile
Panel Gasket	Nitrile
Mating cycles	5,000
RoHS	Compliant

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

Length:	Dia	Conductors Signal	Conductors 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

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

BUCCANEER DATA