SEMIC
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B BULGIN

BUCCANEER

USB Buccaneer®

IP68

Over moulded assembly provides IP68 cable seal

Coupling ring, screw thread provides secure cable coupling

USB adaptor

Sealing Cap Clip

Standard USB connector

'O' ring maintains IP68 seal at connector interface

Panel gasket maintains IP68 seal to panel

Retaining Nut
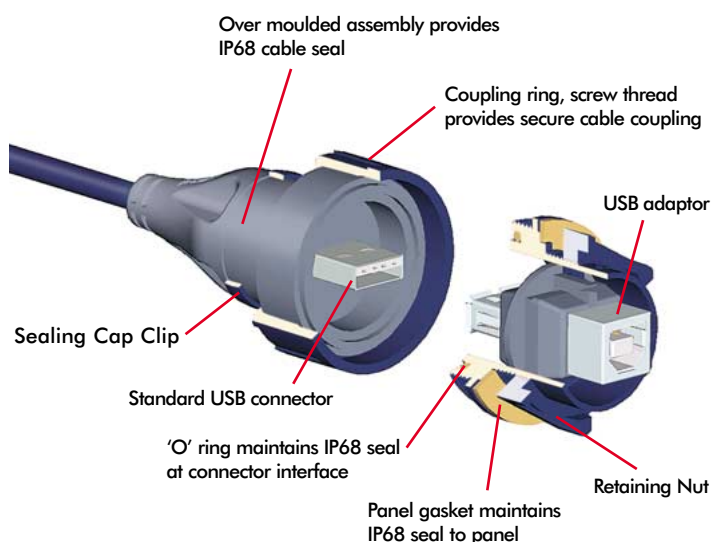
- IP68 rated
- USB version 2.0 performance
- Plug and play capability
- Visual mating indication
- Shielded system
- Single and double ended cables
- Through panel sealing versions
- Screw coupling
- PCB versions

- ▶ 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
- ▶ Maintains sealing integrity of product
- ▶ Secure, proven locking system
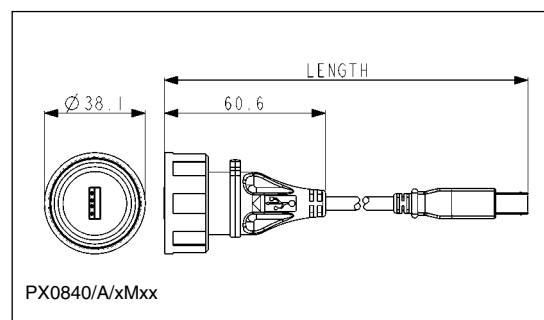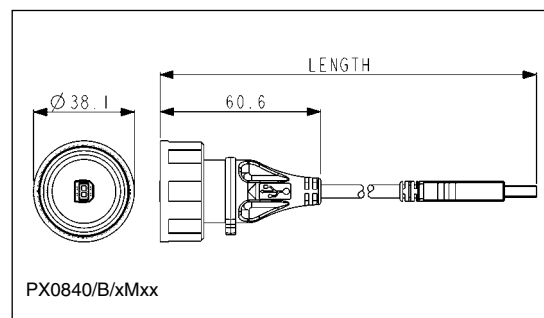- ▶ Direct mounting or via adaptor leads

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SEALED USB CABLES - SINGLE ENDED

PX0840/A

PX0840/B

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
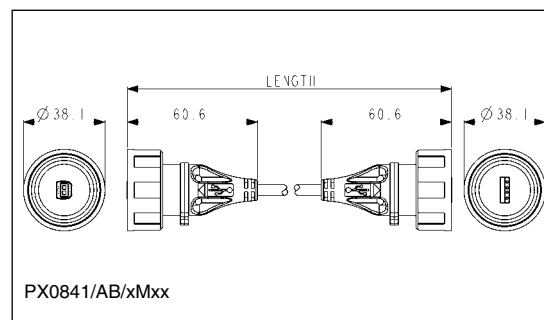- Available in 2m, 3m and 5m

PX0840/A/xMxx

PX0840/B/xMxx

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

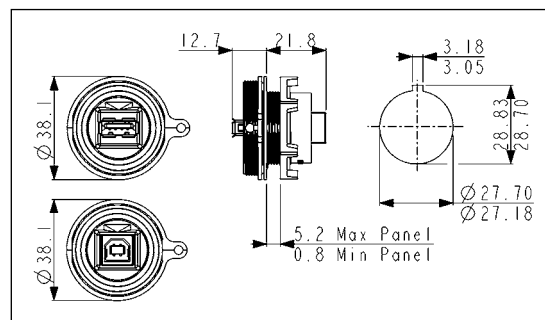**PX0841/AB**

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

PX0841/AB/xMxx

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

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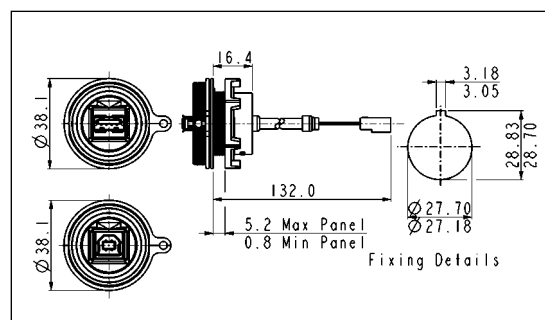### FRONT PANEL MOUNTING CONNECTOR

PX0842/A   **PX0842/B**

- PX0842/A - USB 'A' type IP68 connector
- PX0842/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Through panel sealed version
- Mates with PX0840 and

Part No.	Description
PX0842/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0842/A/TP	IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear. Through panel sealed.
PX0842/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.
PX0842/B/TP	IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear. Through panel sealed.

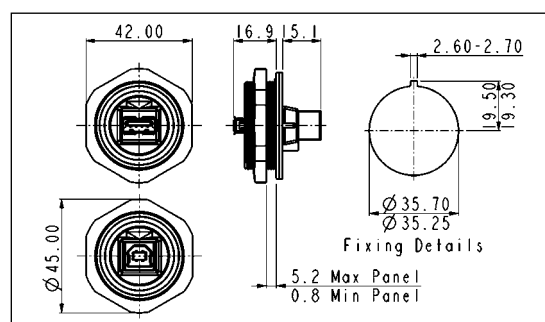### FRONT PANEL MOUNTING CONNECTOR

PX0843/A   **PX0843/B**

- PX0843/A - USB 'A' type IP68 connector
- PX0843/B - USB 'B' type IP68 connector
- Leaded with 5 way crimp connector
- Through panel sealed version
- Mates with PX0840 and PX0841 cable connectors

Part No.	Description
PX0843/A	IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.
PX0843/A/TP	IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear. Through panel sealed.
PX0843/B	IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.
PX0843/B/TP	IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear. Through panel sealed.

REAR PANEL MOUNTING CONNECTOR

PX0848/A   **PX0848/B**

- PX0848/A - USB 'A' type IP68 connector
- PX0848/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Through panel sealed version
- Mates with PX0840 and PX0841

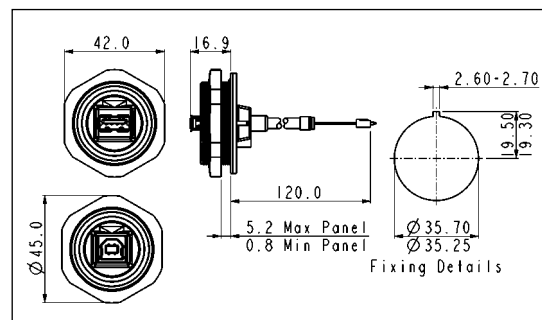| Part No.	Description
PX0848/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, standard B type at rear.
PX0848/A/TP	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, standard B type at rear. Through panel sealed.
PX0848/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear.
PX0848/B/TP	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear. Through panel sealed.

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REAR PANEL MOUNTING CONNECTOR

PX0849/A   **PX0849/B**

- PX0849/A - USB 'A' type IP68 connector
- PX0849/B - USB 'B' type IP68 connector
- Leaded with 5 way header
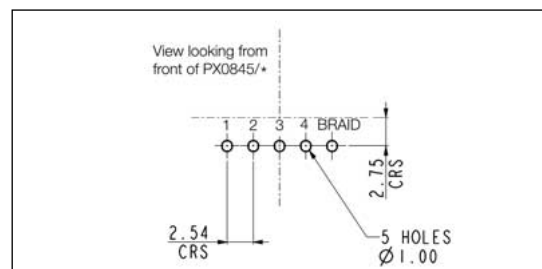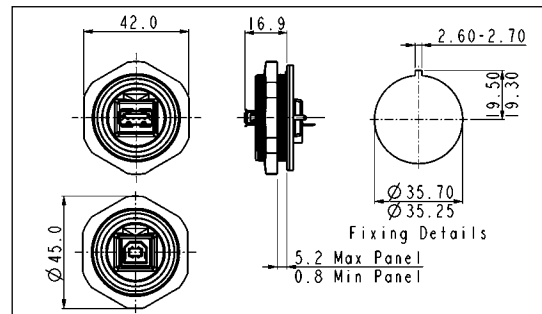- Through panel sealed version
- Mates with PX0840 and

Part No.	Description
PX0849/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, 5 way header at rear.
PX0849/A/TP	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, 5 way header at rear. Through panel sealed.
PX0849/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, 5 way header at rear.
PX0849/B/TP	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, 5 way header at rear. Through panel sealed.

REAR PANEL MOUNTING CONNECTOR - PCB DIRECT MOUNT

PX0845/A   **PX0845/B**

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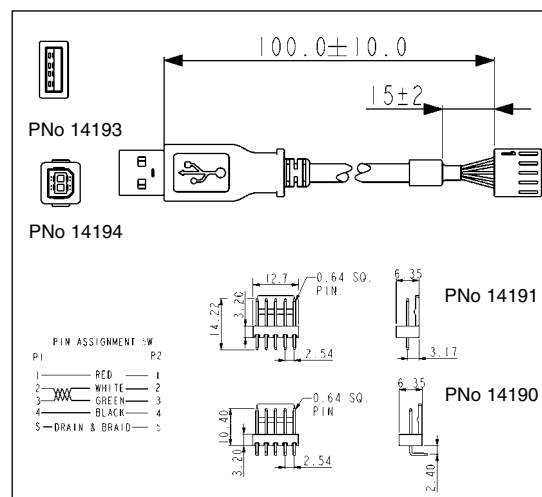- Mates with PX0840 and PX0841 cable connectors

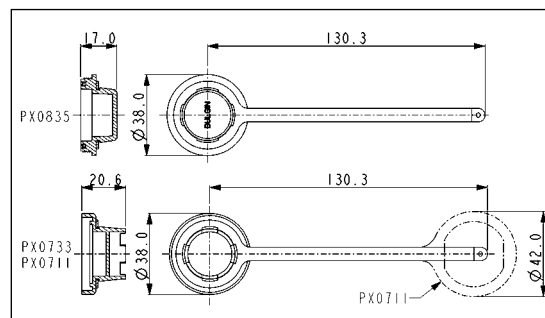| Part No.	Description
PX0845/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, direct mount PCB contacts at rear.
PX0845/A/TP	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, direct mount PCB contacts at rear. Through panel sealed.
PX0845/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, direct mount PCB contacts at rear.
PX0845/B/TP	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, direct mount PCB contacts at rear. Through panel sealed.

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

Part No.	Description
14193	USB 'A' type to 5 way crimp connector
14194	USB 'B' type to 5 way crimp connector
14191	5 way PCB header straight
14192	5 way PCB header right angle

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ACCESSORIES

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

Part No.	Description
PX0835	Sealing Cap for cable connectors (PX0840, PX0841)
PX0733	Sealing Cap for front panel mounting connector (PX0842, PX0843)
PX0711	Sealing Cap for rear panel mounting connector (PX0848, PX0849, PX0845)

SPECIFICATION

Cables & connectors

Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	30mΩ max.
Performance	USB version 2.0

Materials - connectors

Shell material	Steel
Shell plating	Nickel
Insulation moulding	Nylon 6
Flammability	UL94V-0
Contact material	Copper Alloy
Contact plating	30 micro inch Gold
Over mould material	PVC (black)
Operating temperature	0°C to +70°C
Mating cycles	1,000
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

PCB adaptor leads

Electrical

No. of conductors	4
Current rating	1A
Voltage rating	30Vac (RMS)
Contact resistance	<10mΩ 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