B BULGIN

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
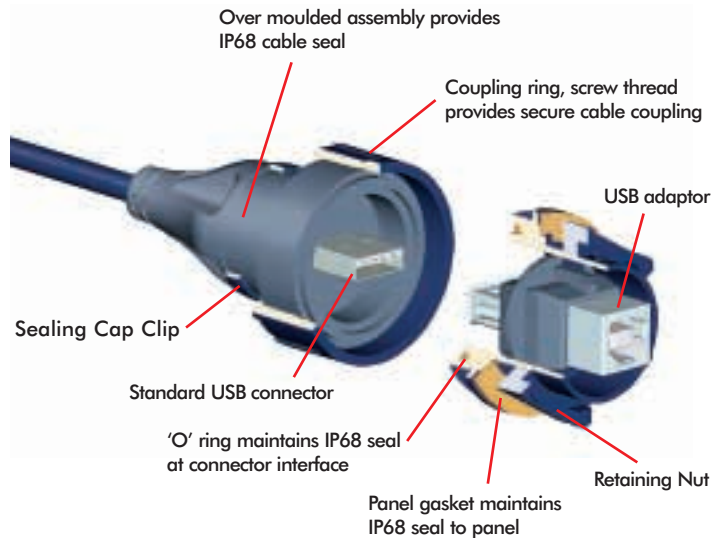at connector interface

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
- Screw coupling
- Adaptor leads

▶ 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
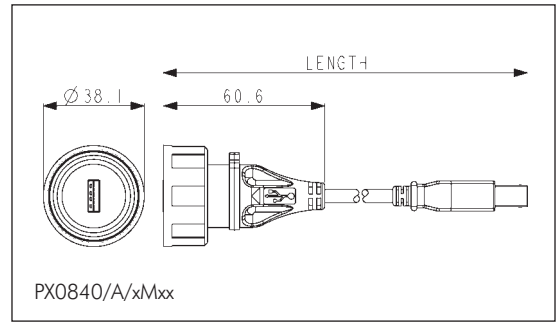▶ Secure, proven locking system
▶ For use on PCBs

SEALED USB CABLES - SINGLE ENDED
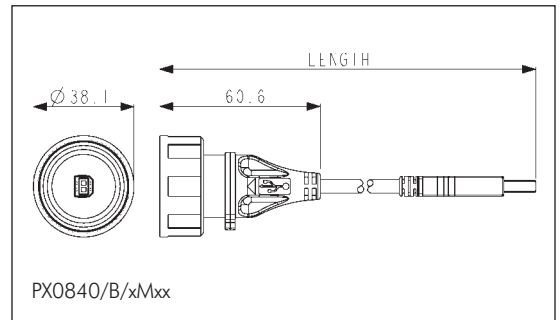
PX0840/A

PX0840/B

Single ended sealed cable assembly

- IP68 'A' type USB connector to standard 'B' type USB connector, mates with PX0842/A
- IP68 'B' type USB connector to standard 'A' type USB connector, mates with PX0842/B
- Available in 2m, 3m and 5m lengths

PX0840/A/xMxx

PX0840/B/xMxx

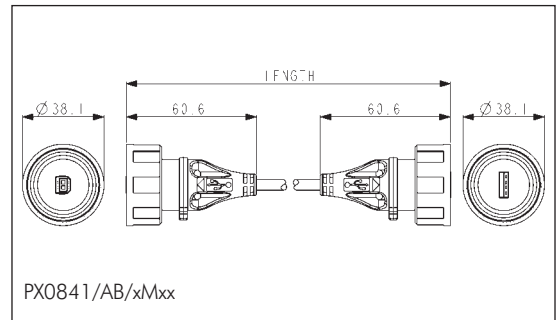| Part No.	Length	Description
PX0840/A/2M00	2m	IP68 A type USB to standard B type USB
PX0840/A/3M00	3m	IP68 A type USB to standard B type USB
PX0840/A/5M00	5m	IP68 A type USB to standard B type USB
PX0840/B/2M00	2m	IP68 B type USB to standard A type USB
PX0840/B/3M00	3m	IP68 B type USB to standard A 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 PX0842/A and PX0842/B
- 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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PANEL MOUNTING CONNECTOR
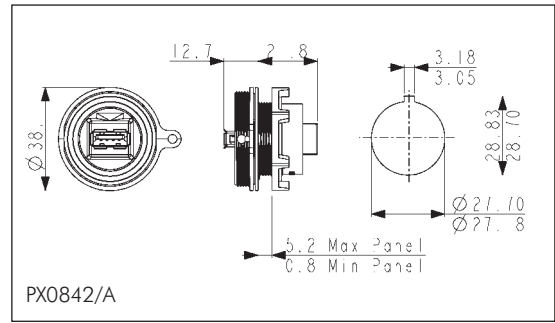
Computer USB connector

- Front of panel - 'A' type USB connector to IP68
- Rear of panel - standard 'B' type socket, mates with standard USB cable or PCB lead
- Mates with PX0840/A/ and PX0841/AB/ patchcords

PX0842/A

PX0842/A

Peripheral USB connector

- Front of panel - 'B' type USB connector to IP68
- Rear of panel - standard 'A' type socket, mates with standard USB cable or PCB lead
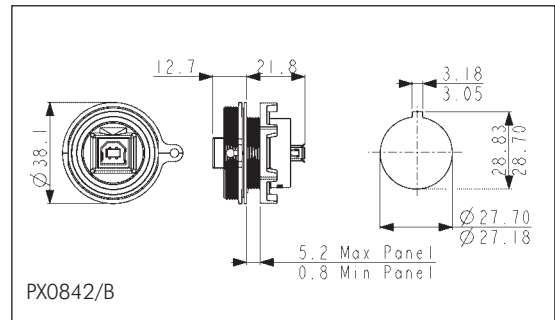- Mates with PX0840/B/ and PX0841/AB/ patchcords
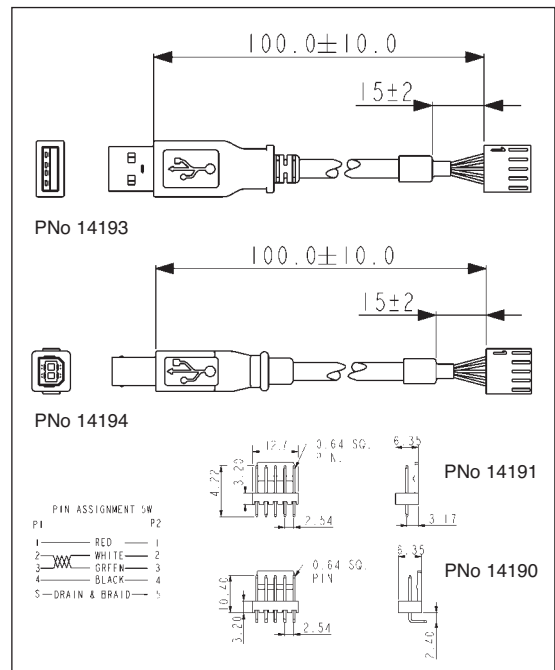
PX0842/B

PX0842/B

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

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

PNo 14193

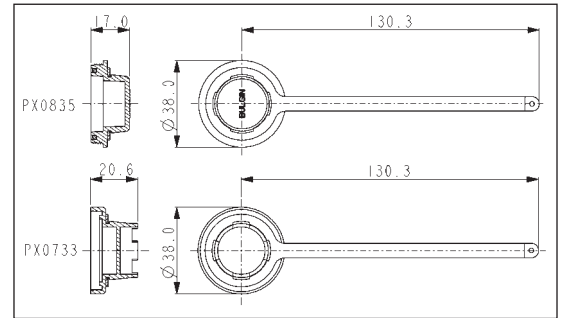PNo 14194

PNo 14191

PNo 14190

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 panel mount connector PX0842

Part No.	Description
PX0835	Sealing Cap for cable connectors (PX0840, PX0841)
PX0733	Sealing Cap for panel mounting connector (PX0842)

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	Glass Filled PBT
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

Materials - cable

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

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

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