



- ⬢ IP68 rated
- ⬢ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⬢ USB version 2.0 performance
- ⬢ Plug and play capability
- ⬢ Visual mating indication
- ⬢ Shielded system
- ⬢ Single and double ended cables
- ⬢ Screw coupling
- ⬢ PCB versions
- ⬢ Dust and waterproof sealing when mated
- ⬢ Low and high speed bus connection, 1.5Mbps to 480Mbps
- ⬢ 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
- ⬢ Direct mounting or via adaptor leads
- ⬢ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1

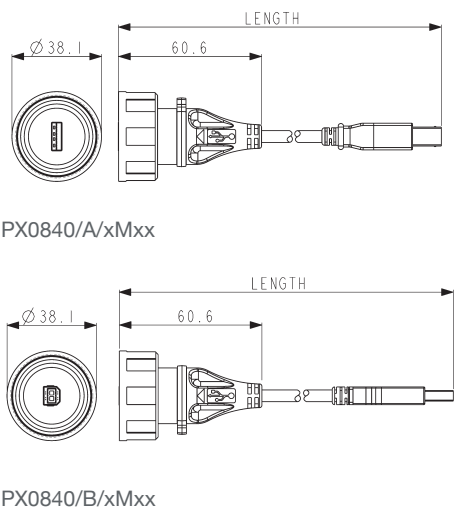
Sealed USB Cables - Single Ended



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 lengths



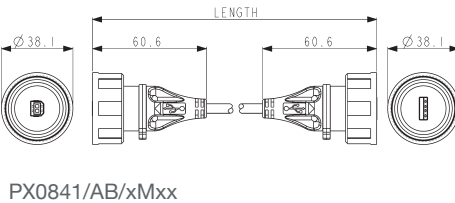
Part no.	Length	Description
PX0840/A/2M00	2m	IP68 A type USB to standard B type USB
PX0840/A/3M00	3m	IP68 A type USB to standard B type USB
PX0840/A/5M00	5m	IP68 A type USB to standard B type USB
PX0840/B/2M00	2m	IP68 B type USB to standard A type USB
PX0840/B/3M00	3m	IP68 B type USB to standard A type 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



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

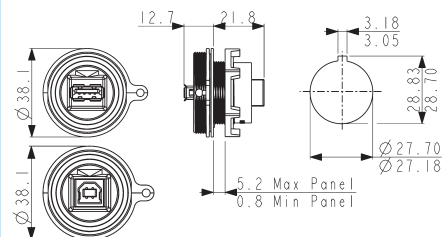
Front Panel Mounting Connector



PX0842/A

PX0842/B

- PX0842/A - USB 'A' type IP68 connector
- PX0842/B - USB 'B' type IP68 connector
- Opposite connector to rear of panel
- Mates with PX0840 and PX0841 cable connectors



Part no.

Description

PX0842/A
PX0842/B

IP68 A type USB, front panel mounted. Sealed A type at front of panel, standard B type at rear
IP68 B type USB, front panel mounted. Sealed B type at front of panel, standard A type at rear.

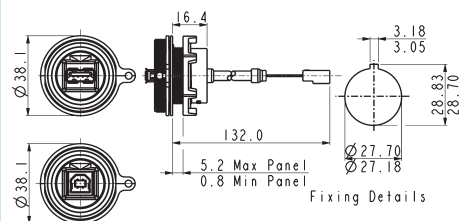
Front Panel Mounting Connector



PX0843/A

PX0843/B

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



Part no.

Description

PX0843/A
PX0843/B
PX0460/A
PX0460/B

IP68 A type USB, front panel mounted. Sealed A type at front of panel, 5 way crimp connector at rear.
IP68 B type USB, front panel mounted. Sealed B type at front of panel, 5 way crimp connector at rear.
As PX0843/A with exposed braid for use with PX0465 screening can
As PX0843/B with exposed braid for use with PX0465 screening can

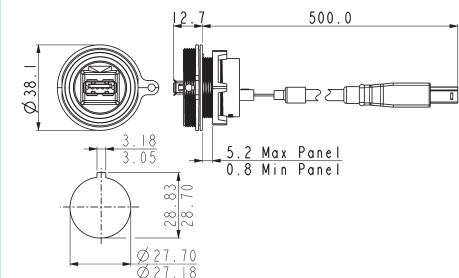
Front Panel Mounting Connector



PX0844/A

PX0844/B

- IP68 Sealed through panel
- PX0844/A - USB 'A' type IP68 connector
- PX0844/B - USB 'B' type IP68 connector
- Standard USB interface plug options to rear of panel
- 500mm standard cable length, other lengths available
- Mates with PX0840 and PX0841 cable connectors



Part no.

Description

PX0844/A/0M50/A
PX0844/A/0M50/B
PX0844/B/0M50/A
PX0844/B/0M50/B

IP68 A type USB, sealed through panel, Sealed 'A' type at front of panel, standard 'A' type at rear
IP68 A type USB, sealed through panel, Sealed 'A' type at front of panel, standard 'B' type at rear
IP68 B type USB, sealed through panel, Sealed 'B' type at front of panel, standard 'B' type at rear
IP68 B type USB, sealed through panel, Sealed 'B' type at front of panel, standard 'B' type at rear



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
- Mates with PX0840 and PX0841 cable connectors

Technical drawing of PX0848 connectors showing dimensions: 42.00, 16.9, 15.1, 2.60-2.70, 19.50, 19.30, Ø35.70, Ø35.25, Ø45.00, 2.0 Max Panel, 0.8 Min Panel. Fixing Details.

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/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, standard A type at rear.

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
- Mates with PX0840 and PX0841 cable connectors

Technical drawing of PX0849 connectors showing dimensions: 42.0, 16.9, 120.0, 2.60-2.70, 19.50, 19.30, Ø35.70, Ø35.25, Ø45.0, 2.0 Max Panel, 0.8 Min Panel. Fixing Details.

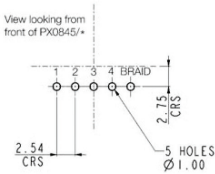
Part no.	Description
PX0849/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, 5 way header at rear.
PX0849/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, 5 way header at rear.

PCB 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

Technical drawing of PX0845 connectors showing dimensions: 42.0, 16.9, 2.75 CRS, 2.60-2.70, 19.50, 19.30, 2.54 CRS, 5 HOLES Ø1.00, Ø35.70, Ø35.25, Ø45.0, 2.0 Max Panel, 0.8 Min Panel. Fixing Details.

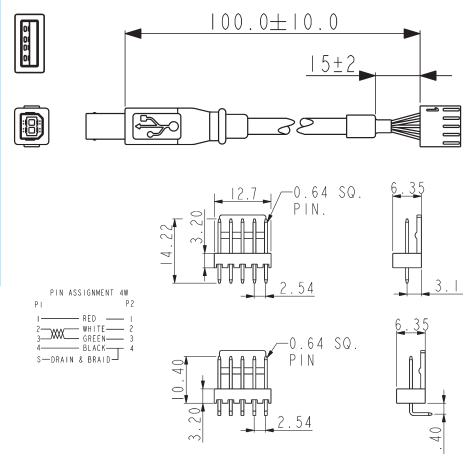


Part no.	Description
PX0845/A	IP68 A type USB, rear panel mounted. Sealed A type at front of panel, direct mount PCB contacts at rear.
PX0845/B	IP68 B type USB, rear panel mounted. Sealed B type at front of panel, direct mount PCB contacts at rear.

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



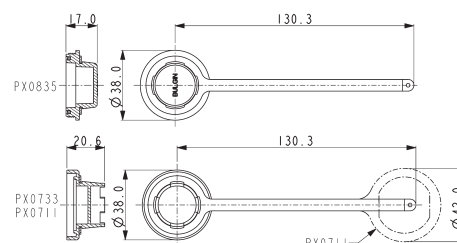
Part no. Description

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

Accessories



- Sealing caps to maintain IP68 rating when connectors are not in use
- PX0835 for cable connectors PX0840 & PX0841
- PX0733 for front panel mount connectors PX0842, PX0843 & PX0844
- PX0711 for rear panel mount connectors PX0848, PX0849 & PX0845



Part no. Description

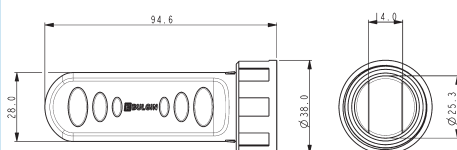
PX0835	Sealing Cap for cable connectors (PX0840, PX0841)
PX0733	Sealing Cap for front panel mounting connector (PX0842, PX0843)
PX0711	Sealing Cap for rear panel mounting connector (PX0848, PX0849, PX0845)

USB Flash Drive Cover



PX0852

- For use with USB Flash Drives
- Maintains IP68 rating when mated with panel connector
- For use with 'A' type connectors: PX0842, PX0843, PX0845, PX0848 & PX0849
- Internal accommodation 17.5 x 14.0 x 83mm approx.

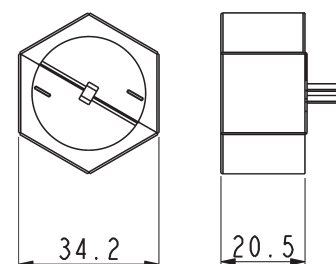


Screening Can



PX0464

- Maintains cable screening directly to panel
- Screening can clips around the panel fixing nut
- For use on PX0460/A and PX0460/B



Cables & connectors**Mechanical**

Sealing

IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k

IP68, EN60529:1992+A2:2013
(10m depth for 2 weeks)

Operating temperature

0°C to +70°C

Salt Mist

EN60068-2-52 Test Kb Salt Mist (Cyclic)
Marine Severity Level 1**Electrical**

No. of poles

4

Current rating

1A

Voltage rating

30Vac (RMS)

Contact resistance

30m Ω 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

30 micro inch Gold

Connector body & locking ring

Glass Loaded Polyester

Panel connector

Nylon 6

Flammability rating

UL94V-0

'O' rings

Silicone

Panel Gasket - round

Silicone

Panel Gasket - square

Neoprene

Mating cycles

1,000

RoHS

Compliant

Materials - cable

Cable Jacket

PVC (black)

Screen

Tinned copper braid

Flammability

UL94V-0

RoHS

Compliant

Length:

2m

	Conductors	Signal
4.8mm	2 x 28AWG	
5.0mm	2 x 28AWG	
5.2mm	2 x 25AWG	

3m

2 x 28AWG

5m

2 x 22AWG

2 x 20AWG

PCB adaptor leads**Electrical**

No. of conductors

4

Current rating

1A

Voltage rating

30Vac (RMS)

Contact resistance

<10m Ω 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 - PX0840, PX0841

PVC Jacket

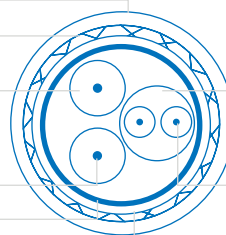
Braid

Insulation
SR-PVC

Conductor	
2M - 24AWG	
3M - 22AWG	
5M - 20AWG	

Drain Wire

Insulation - Polyfofin

Insulation
HD - PE

Conductor	
2M - 28AWG	
3M - 28AWG	
5M - 25AWG	