



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



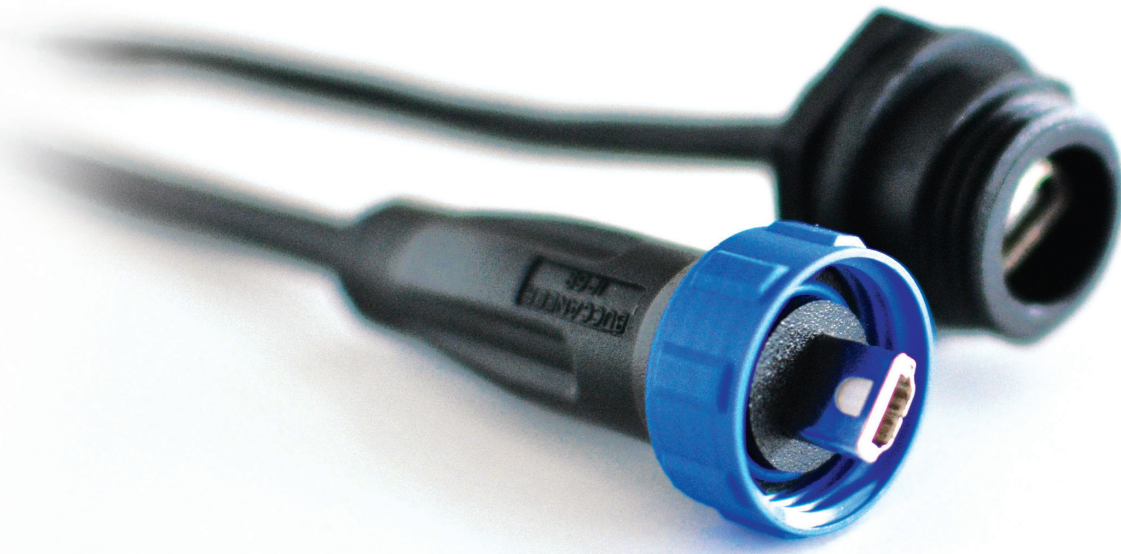
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



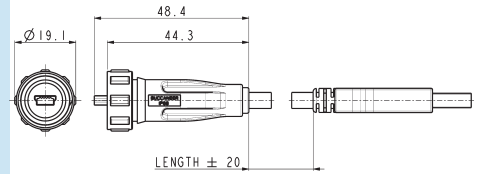


- ⊕ IP68 rated
- ⊕ IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
- ⊕ USB V2.0 performance
- ⊕ Plug and play capability
- ⊕ Shielded system
- ⊕ Overmoulded cables
- ⊕ Screw coupling
- ⊕ PCB versions
- ⊕ Dust and waterproof to EN60529
- ⊕ Data rates up to 480Mbps
- ⊕ Hot pluggable, standard 4 pole interface
- ⊕ High noise immunity
- ⊕ Tamperproof construction
- ⊕ Secure, proven locking system
- ⊕ Direct mounting or via adaptor leads
- ⊕ EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1



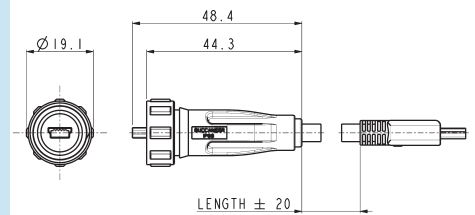
PX0441

- 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



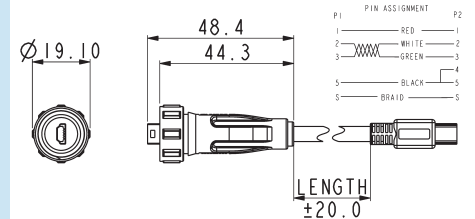
PX0442

- 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



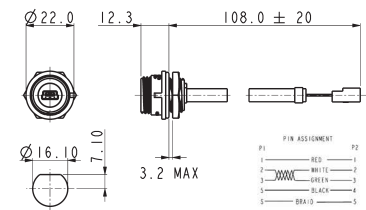
Part No.	Length	Description
PX0441/2M00	2.0m	IP68 mini 'B' to Std 'A' type USB
PX0441/3M00	3.0m	IP68 mini 'B' to Std 'A' type USB
PX0441/4M50	4.5m	IP68 mini 'B' to Std 'A' type USB
PX0442/2M00	2.0m	IP68 mini 'B' to Mini 'A' type USB
PX0442/3M00	3.0m	IP68 mini 'B' to Mini 'A' type USB
PX0442/4M50	4.5m	IP68 mini 'B' to Mini 'A' type USB
PX0444/2M00	2.0m	IP68 mini 'A' to Mini 'B' type USB
PX0444/3M00	3.0m	IP68 mini 'A' to Mini 'B' type USB
PX0444/4M50	4.5m	IP68 mini 'A' to Mini 'B' type USB

Front Panel Mounting Connector



PX0443

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



Part no. **Description**

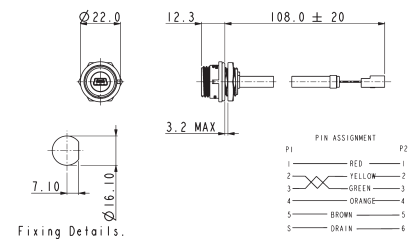
PX0443	IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear.
PX0459	As PX0443 with exposed braid for use with PX0464 screening can

Front Panel Mounting Connector



PX0456

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



Part no. **Description**

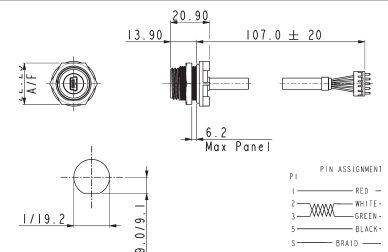
PX0456	IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear.
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Rear Panel Mounting Connector



PX0446

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

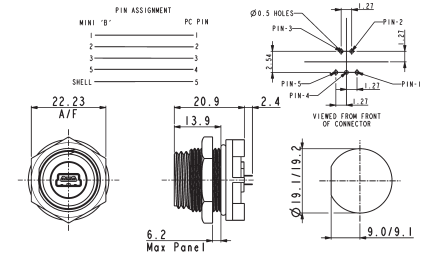


Rear Panel Mounting Connector



PX0447

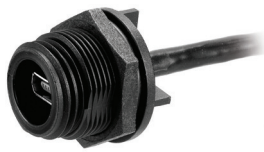
- Mini 'B' type
- With pins for direct PC mounting
- Mates with PX0441 & PX0442 type cables



Part no. **Description**

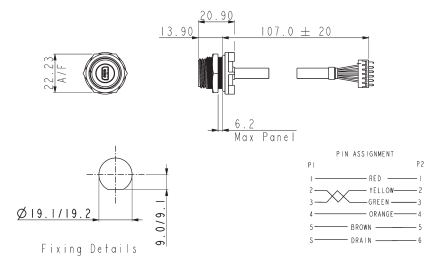
PX0446	IP68 B type Mini USB, rear panel mounted. 5 way header connector at rear.
PX0447	IP68 B type Mini USB, rear panel mounted. PC terminals at rear.

Rear Panel Mounting Connector



PX0457

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

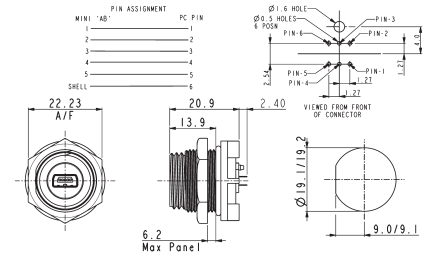


Rear Panel Mounting Connector



PX0458

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



Part no. **Description**

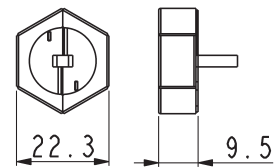
PX0457	IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear.
PX0458	IP68 AB type Mini USB, rear panel mounted. PC terminals at rear.

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

Cables & connectors

Mechanical

Sealing	IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks) IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9K
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 and 5
Current rating	1A
Voltage rating	30Vac, 42Vdc
Contact resistance	50m 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	50 micro inch Gold
Connector body & locking ring	Polyester
Panel connector	Nylon 6
Flammability rating	UL94V-0
'O' rings	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

