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BUCCANEER FOR DATA

400 Series - Mini USB Buccaneer

IP68 Sealed



- IP68 rated
- USB V2.0 performance
- Plug and play capability
- Shielded system
- Overmoulded cables
- Screw coupling
- PCB versions
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
- 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

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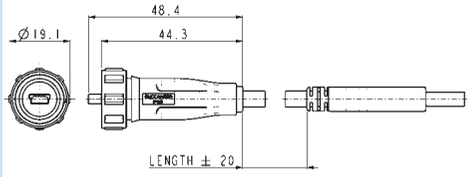
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Sealed Mini USB Cables - Single Ended



PX0441

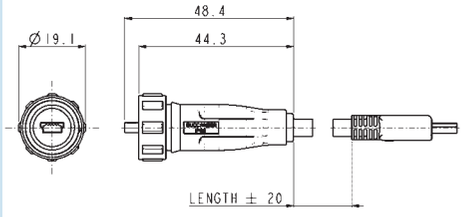
- Standard ‘A’ type to sealed Mini ‘B’ type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458





PX0442

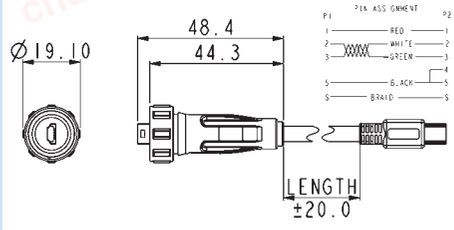
- Mini ‘A’ type to sealed mini ‘B’ type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0443, PX0446, PX0447, PX0456, PX0457 & PX0458





PX0444

- Mini ‘B’ type to Sealed Mini ‘A’ type
- Fully overmoulded construction
- Available in 2, 3 & 4.5m lengths
- Mates with PX0456, PX0457 & PX0458



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

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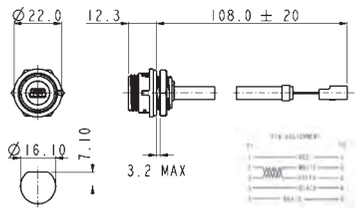
400 Series - Mini USB Buccaneer

Front Panel Mounting Connector



PX0443

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



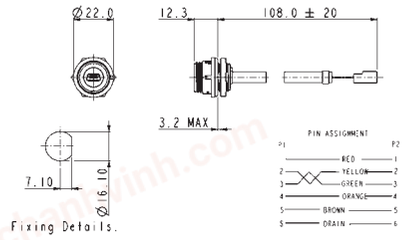
Part no.	Description
PX0443	IP68 B type Mini USB, front panel mounted. 5 way crimp connector at rear.
PX0459	As PX0443 with exposed braid for use with PX0464 screening can

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



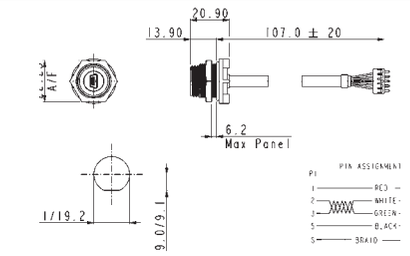
Part no.	Description
PX0456	IP68 AB type Mini USB, front panel mounted. 6 way crimp connector at rear.

Rear Panel Mounting Connector



PX0446

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

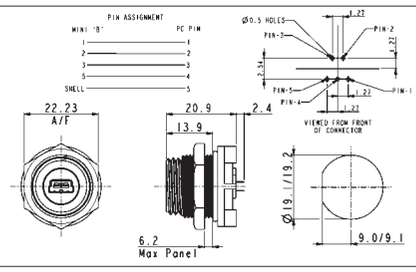


Rear Panel Mounting Connector



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.

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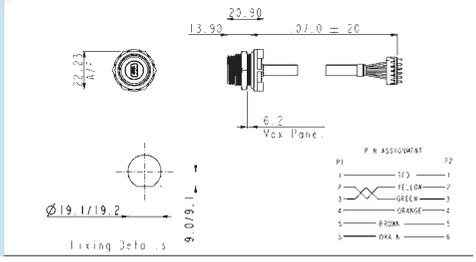
400 Series - Mini USB Buccaneer

Rear Panel Mounting Connector



PX0457

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

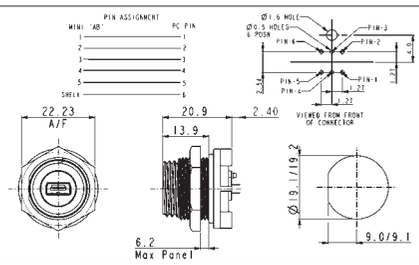


Rear Panel Mounting Connector



PX0458

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



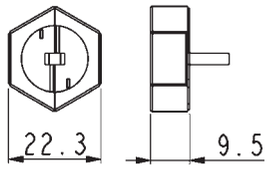
Part no.	Description
PX0457	IP68 AB type Mini USB, rear panel mounted. 6 way header connector at rear.
PX0458	IP68 AB type Mini USB, rear panel mounted. PC terminals at rear.

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

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400 Series - Mini USB Buccaneer

Cables & connectors

Mechanical

Sealing	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 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

