



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!



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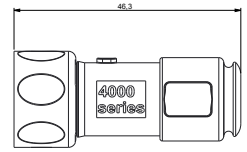
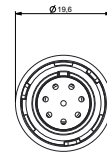
- Sealed to IP66 IP68 and IP69K when mated
- IP68 rating tested at 1.054kg/sq cm (15lb/sq in) 10m depth for 2 weeks
- 3, 8 & 12 pole configuration
- Power ratings up to 13A, 600V
- Cable range from 3 to 7mm
- Diameter over coupling ring 19.7mm
- Flex, Flex In-Line, Rear Panel and PCB mounting body styles
- Colour coded O-rings & washers for easy identification purposes
- Plug and Socket versions in all body styles
- Flame Retardant moulding material - Polyamide UL94-V0
- Contacts supplied separately (except PCB versions)
- Sealing caps available to maintain IP68 rating
- Crimp and solder contacts
- UL, CSA and VDE approvals (pending)
- EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
- EN60068-2-64 Vibration Resistance

Flex Cable Connector



PXP4010

- Mates with Flex In-line or Panel mounting versions PXP4011, PXP4013
- Pin or socket
- 3, 8, or 12 pole
- ¼ turn locking ring
- Contacts supplied separately

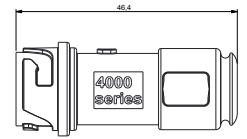


Inline Flex Cable Connector



PXP4011

- Mates with Flex Cable connector PXP4010
- Pin or socket
- 3, 8, or 12 pole
- For in-line cable connection
- Contacts supplied separately

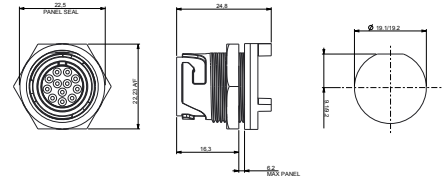


Rear Panel Mounting Connector



PXP4013

- Mates with Flex Cable connector PXP4010, PXP4011
- Rear Panel mounting
- Pin or socket
- Single hole fixing
- Contacts supplied separately
- 3, 8 or 12 pole

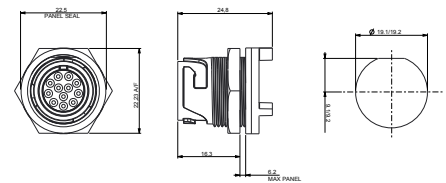


PCB Mounting Connector



PXP4013/XXX/PC

- Mates with Flex Cable connector PXP4010, PXP4011
- Pin or socket
- PCB Rear Panel mounting
- Straight PC spills
- Supplied with pre-loaded gold plated contacts
- 3, 8, or 12 pole



Sealing Caps and Accessories



PXP4081 PXP4082 PXP4083

- Maintains IP-sealed rating of unmated connectors

Part no.	Description
PXP4081	Sealing cap for use with PXP4010 & PXP4040
PXP4082	Sealing cap for use with PXP4011
PXP4083	Sealing cap for use with PXP4013 & PXP4043

Gland Packs



Part no.	Description
PXP4088/0305	Pack of 4 pairs cable glands and collets to suit cables from 3.0 to 5.0mm diameter.
PXP4088/0507	Pack of 4 pairs cable glands and collets to suit cables from 5.0 to 7.0mm diameter.

O-ring & washer pack



Part no.	Description
PXP4089/WH	White coloured O-ring and washer pack
PXP4089/RD	Red coloured O-ring and washer pack
PXP4089/BL	Blue coloured O-ring and washer pack
PXP4089/YL	Yellow coloured O-ring and washer pack
PXP4089/GN	Green coloured O-ring and washer pack

# BUCCANEER FOR POWER

## 4000 Series Buccaneer

Specifications



### Crimp Contacts

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
3	13A /*10A	SA3350	SA3349	10	16 - 18 AWG
8	8A /*4A	SA3348	SA3347	10	18 - 20 AWG
12	3A /*2A	SA3180	SA3179	10	22 - 24 AWG

### Solder Contacts

Pole	Current Rating	Pin	Socket	Pack Qty	Cable Acceptance (dia)
3	13A /*10A	SA3350/1	SA3349/1	10	16 - 18 AWG
8	8A /*4A	SA3348/1	SA3347/1	10	18 - 20 AWG
12	3A /*2A	SA3180/1	SA3179/1	10	22 - 24 AWG

### Insertion / Extraction

	Poles	Contact Rating	Colour	Part No
Insertion/Extraction Tool	3	13A /*10A	Blue	13027/2
Insertion/Extraction Tool	8	8A /*4A	Red	13027/1
Insertion/Extraction Tool	12	3A /*2A	Green	13027

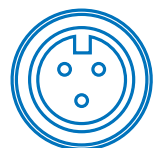
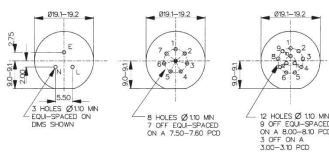
### Crimp tools

	Poles	Contact Rating	Colour	Part No
Positioner	3	13A/*10A	Orange	14025/1618
Positioner	8	8A /*4A	Grey	14025/1820
Positioner	12	3A /*2A	Yellow	14025/2224
8 Indent Crimp Tool for use with positioners				14025

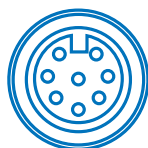
### XP4013 PCB Contact Layout

#### Sockets

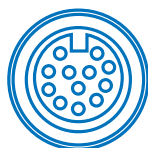
Contact numbers viewed from rear of panel



3 pole  
(13 Amp)



8 pole  
(8 Amp)

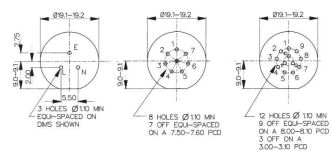


12 pole  
(3 Amp)

\*Current rating for CSA standards

#### Plugs

Contact numbers viewed from rear of panel



**Electrical:**

No. Poles:	3	8	12
Current Rating UL / VDE:	13A	8A	3A
Current Rating CSA:	10A	5A	3A
Voltage Rating (ac/dc):	600Vac/dc	600Vac/dc	600Vac/dc
Contact Resistance:	<5mΩ		
Insulation Resistance:	>10 <sup>6</sup> MΩ (@ 500V d.c.)		
AC Breakdown voltage:	2.5kV		

Operating Temperature:  
 Flex and panel types -40°C to +120°C

Approvals:

-  UL
-  CSA
-  VDE

**Material:**

Flex and panel types:  
 Body Mouldings: Polyamide  
 Flammability Rating: UL94V-0  
 UV Resistance: To EN 50021:1999

Contacts: Copper alloy, Gold plated

O Rings: Silicone

Panel Sealing O Ring: Silicone

**RoHS** Compliant

**Mechanical:**

Sealing: IP66 to En60529:1992+A2:2013  
 IP68 to En60529:1992+A2:2013 (10m depth for 2 weeks)  
 IP69k to DIN 40050-9

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

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

Vibration: BS EN 60068-2-64:2008 Test Fh  
 BS EN 60068-2-27:2009 Test Ea

Cable Acceptance: 3.0 - 7.0mm

Contact Accommodation: 3 pole, 16 - 18 AWG  
 8 pole, 18 - 20 AWG  
 12 pole, 22 - 24 AWG

Termination: Crimp, solder and PCB

Insertion/Withdrawal Force:  
 No. poles: 3 8 12  
 Insertion Force (typ): 25N 28N 62N  
 Withdrawal Force (typ): 17N 22N 29N

Panel mount (PXP4013)  
 Front fixing nut: 1.0-1.1Nm (9lbf.in.)

Cable Retention force:  
 3.0mm dia 60N  
 4.0 to 7.0mm dia 80N

Panel thread PXP4013: 18.97x26TPI Whitworth form to BS84 med fit

**Dimensions:**

Overall dimensions of connectors when mated together

Flex + Flex In-Line 80mm  
 Dia. over coupling ring 19.7mm

<b>PXP40 xx</b>	<b>XX</b>	<b>X</b>	<b>XXXX</b>
<p><b>Body Styles</b></p> <p><b>PXP4010</b> = Flex body  <b>PXP4011</b> = Flex in-line body  <b>PXP4013</b> = Rear panel/PCB mounting body</p>	<p><b>Number Contacts</b></p> <p>03 = 3 pole,                      08 = 8 pole,                      12 = 12 pole,</p>	<p><b>Contact Type</b></p> <p><b>P</b> = Pin,  <b>S</b> = Socket</p>	<p><b>For PXP4010 and PXP4011 cable connectors</b>  <b>- Cable Entry Size:</b></p> <p>3035 = 3.0 - 3.5mm (Light Grey)                      3540 = 3.5 - 4.0mm (Grey)                      4045 = 4.0 - 4.5mm (Green)                      4550 = 4.5 - 5.0mm (Red)</p> <p>5055 = 5.0 - 5.5mm (Yellow)                      5560 = 5.5 - 6.0mm (Blue)                      6065 = 6.0 - 6.5mm (White)                      6570 = 6.5 - 7.0mm (Black)</p> <p>Cable gland and collet supplied in colour coded pairs.</p> <p>For PXP4013 PCB/Rear Panel Mount:                      PC = Pre-loaded PC pins                      Blank = no pins supplied</p>
<p><b>Examples:</b></p> <p><b>PXP4010/03S/4045</b> = Flex cable connector, 3 socket contacts with gland and collet for cables between 4.0 and 4.5mm diameter (supplied less contacts).  <b>PXP4013/08P</b> = Rear panel mounting connector, for 8 pin contacts (supplied less contacts).  <b>PXP4013/03P/PC</b> = Rear panel/PCB connector, 3 pin contacts, PCB mounting (supplied with contacts loaded).</p>			