400 Series - SMB Buccaneer

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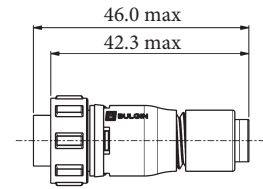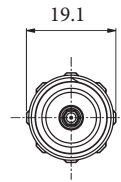

- IP68, Tested in accordance with EN60529:1992+A2:2013

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

- 50Ω Impedance SMB connector

- Frequency range 0-4GHz

- Contact resistance
  - centre - 6mΩ max.
  - outer - 2.5mΩ max.

- Gold plated contacts

- Diameter over coupling ring 19mm

- Body moulding, Nylon UL94-V0 rated

- Two versions of Flex Connector
  - re-wireable
  - pre-wired - lengths 1m, 3m & 5m

- Panel connector
  - pre-wired - lengths 0.5m,1m & 1.5m

- Cable accommodation (flex re-wireable), RG-174

- Cable type (pre-wired connectors), RG-174

Re- Wireable Flex Connector

PX0415/1

Mates with Panel connector
(PX0414)
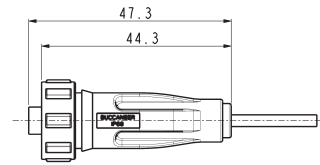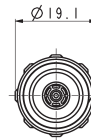Re-wireable connector
For RG-174 cable
Supplied with SMB plug

19.1 46.0 max / 42.3 max

Part no.	Description
PX0415/1	Re-wireable connector with SMB Plug - for RG-174 cable

Pre- Wireable Flex Connector

PX0416/xMxx

- Mates with Panel connector (PX0414)
- Pre-wired
- Overmoulded construction
- Supplied with SMB plug terminated with RG-174 cable
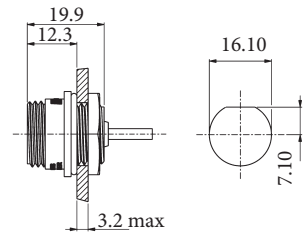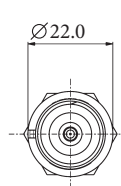- 1m, 3m & 5m cable lengths

Ø19.1 47.3 / 44.3

Part no.	Description
PX0416/1M00	Overmoulded connector with SMB plug - cable length 1m
PX0416/3M00	Overmoulded connector with SMB plug - cable length 3m
PX0416/5M00	Overmoulded connector with SMB plug - cable length 5m

Front Panel Mount Connector

PX0414/xMxx

- Mates with Flex connectors (PX0415, PX0416)
- Single hole fixing
- Supplied with SMB jack terminated with RG-174 cable
- U.FL cable version also available

Ø22.0 19.9 / 12.3 16.10 7.10 3.2 max

Part no.	Description
PX0414/0M50	Panel connector with SMB jack - cable length 0.5m
PX0414/1M00	Panel connector with SMB jack - cable length 1m
PX0414/1M50	Panel connector with SMB jack - cable length 1.5m

Sealing Caps

- Sealing caps maintain IP rating when connectors are not in use

PX0480 PX0481 PX0485

Part no.	Description
PX0480	Sealing cap for PX0414 chassis connector
PX0481	Sealing cap for PX0415 re-wireable flex connectors
PX0485	Sealing cap for PX0416 overmoulded flex connector
14319	Hand crimp tool for SMB

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Electrical

Impedance:	50Ω
Frequency Range:	0-4GHz
Contact Resistance:	
Centre:	6mΩ (max.)
Outer:	2.5mΩ (max.)
Insulator Resistance:	1000MΩ (max.)

Mechanical:

Sealing:	IP68, EN60529:1992+A2:2013 (10m depth for 2 weeks)
	IP69K, Tested in accordance with DIN 40050/Part 9 IP6k9k
Salt Mist	EN60068-2-52 Test Kb Salt Mist (Cyclic) Marine Severity Level 1
Cable Acceptance:	RG-174
Insertion/Withdrawal Force:	
Insertion Force:	36N
Withdrawal Force:	36N
Cable Retention Force:	18N
Mating Cycles:	500
Operating Temperature:	–20ºC to +80ºC

Material:

PX0415/1 and PX0414	
Body Mouldings:	Polyamide
Flammability Rating:	UL94V-0
UV Resistance:	To EN 50021:1999
PX0416	
Body Mouldings:	PVC (black)
Flammability Rating:	UL94V-0
O Rings:	Nitrile
Panel Sealing O Ring:	Nitrile
SMB Connector	
Body:	Brass to QQ-B-626, Gold Plated
Centre Contact:	
Plug:	Brass to QQ-B-626, Gold Plated
Jack:	Beryllium Copper to QQ-B-530, Gold Plated
Insulator:	Teflon
Crimp Ferrules:	Annealed Copper
RoHS	Compliant