



Circular Automation Connectors

The M-Series Buccaneer range has been designed to offer flexible connectivity solutions for a variety of **industrial automation** applications. With metal and plastic variants, these **rugged** and **robust** interconnects are ideal for industries requiring **secure** and **reliable connections**.

- Available types: M5, M8, M12, M16 & M23
- Reliable sensor, actuator and data connectivity solutions
- Straight and right angled configurations
- Quick and secure screw coupling mechanism
- Backwards compatible versions
- Available as field attachable connectors, receptacles or with overmolded cables
- Plastic and Metal Variants
- Ratings from 1A, 30V ac/dc up to 8A, 250V ac/dc
- Overmolded cables PVC & PUR
- IP67 Rating
- Cable lengths from 1m - 15m
- A, B and D Coding Options
- Power Distribution Units Available



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Bulgin's M-Series connector range is the ideal connectivity solution for **industrial automation** technologies that require fast, secure and reliable connections with a **high degree of environmental protection**.



Bulgin's automation interconnect range includes circular metric connectors with industry standard M5, M8, M12, M16 & M23 threads in addition to panel mount receptacles, overmolded cable variants and power/signal distributor units. This comprehensive product portfolio offers a large degree of flexibility with chemically and mechanically robust connectors that are easy to install, help decrease downtime and increase production efficiency in a wide range of markets.

Applications include:

- Factory Automation
- Robotics
- Measurement & Instrumentation
- Manufacturing & Machine Tools
- Process Control Systems
- Medical
- Food & Beverage Processing
- Industrial Network

The most **compact connector** type in the M-Series range, Bulgin's **waterproof M5 sensor connectors** come in straight and angled forms with **PVC** or **PUR overmolded cable** options and a variety of panel mount receptacles.



With an industry standard screw coupling mechanism and IP67 rating, this circular connector product line is particularly suited to automotive, process control, commercial electronics & instrumentation applications that require reliable and robust miniature sensors.

Key features:

- Secure & reliable screw locking mechanism
- Robust PVC & PUR overmolded cables
- Cable length from 1m - 15m
- High degree of environmental protection - IP67 rated
- Straight & right angled cable connectors
- Rear & front panel mount receptacles
- Available with 3 or 4 Contacts
- Intermatable with other EN61076-2-105

M5 Series coding options:
(Full Contact Diagrams Page 222)



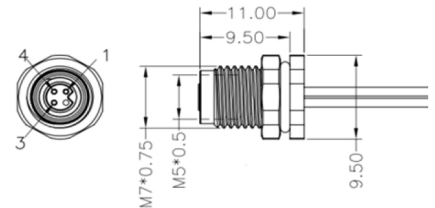
A-Coding

M5 Rear Panel Mounting Female



PXMBNI05RPF

- Available in 3 & 4 Contacts
- PCB or flying lead termination
- Mates with Inline Body connectors



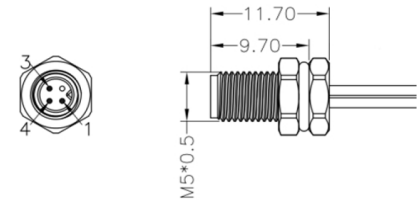
Part Number	Contacts	Code	Termination	Lead Length
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PXMBNI05RPF03AFL002	03	A	Flying Lead	200 mm
PXMBNI05RPF03AFL003	03	A	Flying Lead	300 mm
PXMBNI05RPF04AFL001	04	A	Flying Lead	100 mm
PXMBNI05RPF04AFL002	04	A	Flying Lead	200 mm
PXMBNI05RPF04AFL003	04	A	Flying Lead	300 mm
PXMBNI05RPF03APC	03	A	PCB Terminal	-
PXMBNI05RPF04APC	04	A	PCB Terminal	-

M5 Rear Panel Mounting Male



PXMBNI05RPM

- Available in 3 & 4 Contacts
- PCB or flying lead termination
- Mates with Flex Body connectors



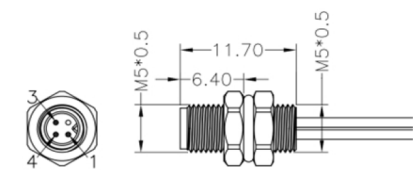
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI05RPM03AFL001	03	A	Flying Lead	100 mm
PXMBNI05RPM03AFL002	03	A	Flying Lead	200 mm
PXMBNI05RPM03AFL003	03	A	Flying Lead	300 mm
PXMBNI05RPM04AFL001	04	A	Flying Lead	100 mm
PXMBNI05RPM04AFL002	04	A	Flying Lead	200 mm
PXMBNI05RPM04AFL003	04	A	Flying Lead	300 mm
PXMBNI05RPM03APC	03	A	PCB Terminal	-
PXMBNI05RPM04APC	04	A	PCB Terminal	-

M5 Front Panel Mounting Male



PXMBNI05FPM

- Available in 3 & 4 Contacts
- PCB or flying lead termination
- Mates with Flex Body connectors



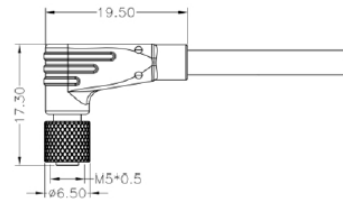
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI05FPM03AFL001	03	A	Flying Lead	100 mm
PXMBNI05FPM03AFL002	03	A	Flying Lead	200 mm
PXMBNI05FPM03AFL003	03	A	Flying Lead	300 mm
PXMBNI05FPM04AFL001	04	A	Flying Lead	100 mm
PXMBNI05FPM04AFL002	04	A	Flying Lead	200 mm
PXMBNI05FPM04AFL003	04	A	Flying Lead	300 mm
PXMBNI05FPM03APC	03	A	PCB Terminal	-
PXMBNI05FPM04APC	04	A	PCB Terminal	-

M5 Right Angled Female



PXPTPU05RAF
PXPPVC05RAF

- Available in 3 & 4 Contacts
- 1,2,3,5,10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



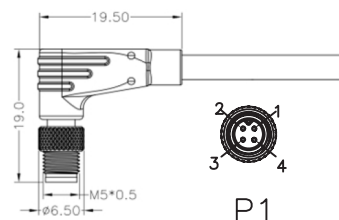
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC05RAF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU05RAF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC05RAF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU05RAF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC05RAF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU05RAF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC05RAF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU05RAF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC05RAF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU05RAF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC05RAF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU05RAF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC05RAF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU05RAF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC05RAF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU05RAF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC05RAF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU05RAF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC05RAF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU05RAF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC05RAF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU05RAF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC05RAF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU05RAF04ACL150PUR	04	A	Overmold Cable	15m	PUR

M5 Right Angled Male



PXPTPU05RAM
PXPPVC05RAM

- Available in 3 & 4 Contacts
- 1,2,3,5,10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



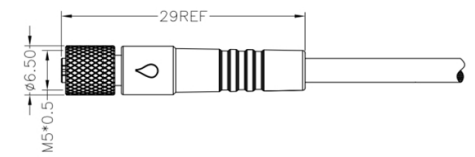
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC05RAM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU05RAM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC05RAM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU05RAM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC05RAM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU05RAM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC05RAM03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU05RAM03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC05RAM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU05RAM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC05RAM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU05RAM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC05RAM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU05RAM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC05RAM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU05RAM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC05RAM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU05RAM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC05RAM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU05RAM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC05RAM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU05RAM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC05RAM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU05RAM04ACL150PUR	04	A	Overmold Cable	15m	PUR

M5 Flex Body Female



PXPTPU05FBF
PXPPVC05FBF

- Available in 3 & 4 Contacts
- Overmold Flex Body
- 1,2,3,5,10 & 15m cable options
- Mates with Inline Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC05FBF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU05FBF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC05FBF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU05FBF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC05FBF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU05FBF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC05FBF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU05FBF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC05FBF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU05FBF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC05FBF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU05FBF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC05FBF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU05FBF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC05FBF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU05FBF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC05FBF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU05FBF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC05FBF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU05FBF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC05FBF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU05FBF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC05FBF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU05FBF04ACL150PUR	04	A	Overmold Cable	15m	PUR

M5 Inline Body Male



PXPTPU05FIM
PXPPVC05FIM

- Available in 3 & 4 Contacts
- 1,2,3,5,10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC05FIM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU05FIM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC05FIM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU05FIM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC05FIM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU05FIM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC05FIM03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU05FIM03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC05FIM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU05FIM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC05FIM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU05FIM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC05FIM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU05FIM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC05FIM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU05FIM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC05FIM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU05FIM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC05FIM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU05FIM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC05FIM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU05FIM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC05FIM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU05FIM04ACL150PUR	04	A	Overmold Cable	15m	PUR

Electrical

No. Contacts:	3	4
Current Rating:	1A	1A
Voltage Rating (ac/dc) :	60V	60V
Contact Resistance:	<10mΩ	
Insulation Resistance:	>100MΩ	
AC Breakdown Voltage:		
3 Contacts	1.5KV	
4 Contacts	1.5KV	
Operating Temp Range:	-25°C to 80°C	

Mechanical:

Locking Mechanism:	Screw coupling
Rating:	IP67
Contacts:	Terminations:
3 Contacts	Flying Lead / PCB / Cable
4 Contacts	Flying Lead / PCB / Cable
Mechanical Operation:	500 mating cycles
Diameter over coupling ring:	6.5mm

Panel Mounting Connectors:

Cable Connectors:

Body Material:	Nickel Plated Brass	TPU / PVC
Coupling Nut Material:	Nickel Plated Brass	Nickel Plated Brass
Colour:	Grey	Black
Plug Contacts Material:	Brass, Gold plating	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton	Viton
RoHS:	Compliant	Compliant

XXX	XXX	XX	XX	X	XX	X	XX
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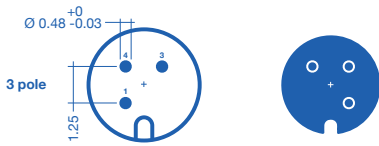
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM	BNI = Brass Nickel	05	FB = Flex Body	M = Male	03	A	FL = Flying Lead
PXP	TPU = overmold for PUR PVC = overmold for PVC		FI = Inline Body FP = Front Panel Mounting RP = Rear Panel Mounting RA = Right Angle	F = Female	04		PC = PCB CL = Cable

XXX	XXX
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Lead Length	Cable Material
001 = 100mm	PUR
002 = 200mm	PVC
003 = 300mm	
010 = 1m	
030 = 3m	
050 = 5m	
100 = 10m	
150 = 15m	

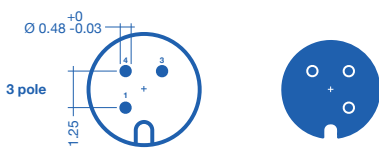
Contact Diagrams (Front View 'A' Code):

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XXXXXXXXXXF03XXXXXXXXXX



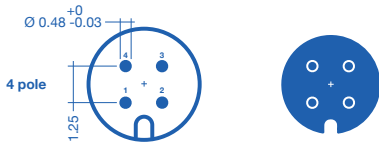
P1	PAIR	WIRE COLOUR	P2
1	—	RED	1
3	—	GREEN	3
4	—	BLACK	4

PXPPVC05FBF03ACLXXXPVC



P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
3	—	BLUE	3
4	—	BLACK	4

XXXXXXXXXXM04XXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXX



P1	PAIR	WIRE COLOUR	P2
1	—	RED	1
2	—	WHITE	2
3	—	GREEN	3
4	—	BLACK	4

Bulgin's **M8 circular connectors** and overmolded cables are designed to fulfil the ever growing demand for **sensor, actuator and data connections** in process control, industrial machinery and factory automation applications.



These compact sensor and automation connectors with screw lock coupling are mechanically and chemically robust, easy to install, minimise downtime and help to increase production efficiency. Rated to the IP67 rating, Bulgin's M8 Series ensure safe, secure and reliable protection from liquids, dust, moisture and dirt whilst also providing great resistance against vibrations to ensure that connections are not disrupted.

Key features:

- Straight & right angled configurations
- 3, 4 or 5 contacts
- Metal & plastic shell options
- A, B & P coded
- Environmental protection rating IP67
- Field installable connectors, panel mounts & overmolded cable options
- PVC or PUR jacketed cable variants with many lengths from 1m – 15m
- Compliant with EN 61076-2-104

M8 Series coding options: (Full Contact Diagrams Page 39)



A-Coding



B-Coding



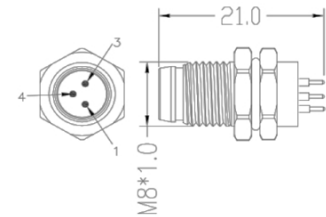
P-Coding

M8 Rear Panel Mounting Male



PXMBNI08RPM

- Available in 3, 4, 5 & 8 Contacts
- PCB or flying lead termination
- Mates with Flex Body connectors



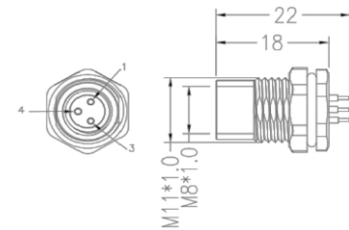
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI08RPM03APC	03	A	PCB Terminal	-
PXMBNI08RPM04APC	04	A	PCB Terminal	-
PXMBNI08RPM05BPC	05	B	PCB Terminal	-
PXMBNI08RPM03AFL001	03	A	Flying Lead	100mm
PXMBNI08RPM03AFL002	03	A	Flying Lead	200mm
PXMBNI08RPM03AFL003	03	A	Flying Lead	300mm
PXMBNI08RPM04AFL001	04	A	Flying Lead	100mm
PXMBNI08RPM04AFL002	04	A	Flying Lead	200mm
PXMBNI08RPM04AFL003	04	A	Flying Lead	300mm
PXMBNI08RPM05BFL001	05	B	Flying Lead	100mm
PXMBNI08RPM05BFL002	05	B	Flying Lead	200mm
PXMBNI08RPM05BFL003	05	B	Flying Lead	300mm
PXMBNI08RPM08AFLM8002	08	A	Flying Lead	200mm

M8 Rear Panel Mounting Female



PXMBNI08RPF

- Available in 3, 4, 5, 6 & 8 Contacts
- PCB or flying lead termination
- Mates with Inline Body connectors



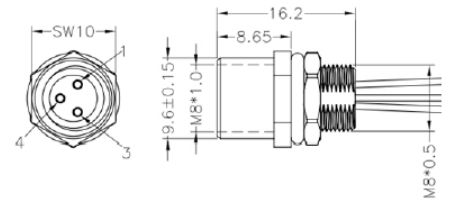
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI08RPF03APC	03	A	PCB Terminal	-
PXMBNI08RPF04APC	04	A	PCB Terminal	-
PXMBNI08RPF05BPC	05	B	PCB Terminal	-
PXMBNI08RPF03AFL001	03	A	Flying Lead	100mm
PXMBNI08RPF03AFL002	03	A	Flying Lead	200mm
PXMBNI08RPF03AFL003	03	A	Flying Lead	300mm
PXMBNI08RPF04AFL001	04	A	Flying Lead	100mm
PXMBNI08RPF04AFL002	04	A	Flying Lead	200mm
PXMBNI08RPF04AFL003	04	A	Flying Lead	300mm
PXMBNI08RPF05BFL001	05	B	Flying Lead	100mm
PXMBNI08RPF05BFL002	05	B	Flying Lead	200mm
PXMBNI08RPF05BFL003	05	B	Flying Lead	300mm
PXMBNI08RPF06AFLM8001	06	A	Flying Lead	100mm
PXMBNI08RPF08AFLM8002	08	A	Flying Lead	200mm

M8 Front Panel Mounting Female



PXMBNI08FPF

- Available in 3, 4, 5, 6 & 8 Contacts
- Flying lead termination
- Mates with Inline Body connectors



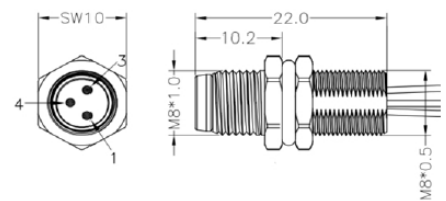
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI08FPF03AFL001	03	A	Flying Lead	100mm
PXMBNI08FPF03AFL002	03	A	Flying Lead	200mm
PXMBNI08FPF03AFL003	03	B	Flying Lead	300mm
PXMBNI08FPF04AFL001	04	A	Flying Lead	100mm
PXMBNI08FPF04AFL002	04	A	Flying Lead	200mm
PXMBNI08FPF04AFL003	04	A	Flying Lead	300mm
PXMBNI08FPF05BFL001	05	B	Flying Lead	100mm
PXMBNI08FPF05BFL002	05	B	Flying Lead	200mm
PXMBNI08FPF05BFL003	05	B	Flying Lead	300mm
PXMBNI08FPF06AFLM11001	06	A	Flying Lead	100mm
PXMBNI08FPF08AFLM11002	08	A	Flying Lead	200mm

M8 Front Panel Mounting Male



PXMBNI08FPM

- Available in 3, 4 & 5 Contacts
- PCB or flying lead termination
- Mates with Flex Body connectors



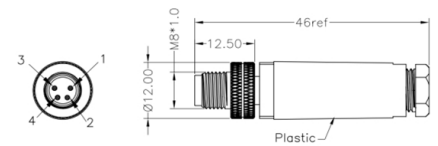
Part Number	Contacts	Code	Termination	Lead Length
PXMBNI08FPM03AFL001	03	A	Flying Lead	100mm
PXMBNI08FPM03AFL002	03	A	Flying Lead	200mm
PXMBNI08FPM03AFL003	03	A	Flying Lead	300mm
PXMBNI08FPM04AFL001	04	A	Flying Lead	100mm
PXMBNI08FPM04AFL002	04	A	Flying Lead	200mm
PXMBNI08FPM04AFL003	04	A	Flying Lead	300mm
PXMBNI08FPM05BFL001	05	B	Flying Lead	100mm
PXMBNI08FPM05BFL002	05	B	Flying Lead	200mm
PXMBNI08FPM05BFL003	05	B	Flying Lead	300mm
PXMBNI08FPM04PPC	04	P	PCB Terminal	-

M8 Inline Body Male



PXPPAM08FIM

- Available in 3 & 4 Contacts
- Screw termination
- Plastic Inline Body
- Mates with Flex Body and panel mount connectors



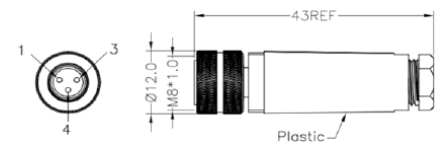
Part Number	Contacts	Code	Termination	Cable Entry
PXPPAM08FIM03AST	03	A	Screw Terminal	3-5.5mm
PXPPAM08FIM04AST	04	A	Screw Terminal	3-5.5mm

M8 Flex Body Female



PXPPAM08FBF

- Available in 3 & 4 Contacts
- Screw termination
- Plastic Flex Body
- Mates with Inline Body and panel mount connectors



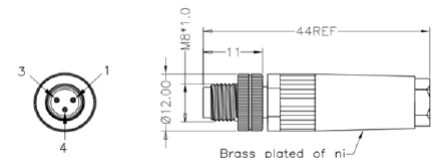
Part Number	Contacts	Code	Termination	Cable Entry
PXPPAM08FBF03AST	03	A	Screw Terminal	3-5.5mm
PXPPAM08FBF04AST	04	A	Screw Terminal	3-5.5mm

Brass - Nickel Plating M8 Inline Body Male



PXMBNI08FIM

- Available in 3, 4 & 5 Contacts
- Solder termination
- Metal Inline Body
- Mates with Flex Body and panel mount connectors



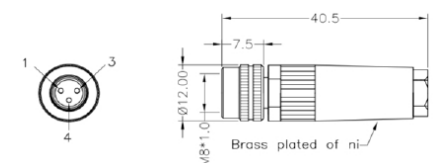
Part Number	Contacts	Code	Termination	Cable Entry
PXMBNI08FIM03ASC	03	A	Solder Terminal	3-5.5mm
PXMBNI08FIM04ASC	04	A	Solder Terminal	3-5.5mm
PXMBNI08FIM05BSC	05	B	Solder Terminal	3-5.5mm

Brass - Nickel Plating M8 Flex Body Female



PXMBNI08FBF

- Available in 3, 4 & 5 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



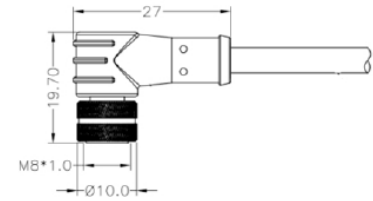
Part Number	Contacts	Code	Termination	Cable Entry
PXMBNI08FBF03ASC	03	A	Solder Terminal	3-5.5mm
PXMBNI08FBF04ASC	04	A	Solder Terminal	3-5.5mm
PXMBNI08FBF05BSC	05	B	Solder Terminal	3-5mm

M8 Right Angled Female



PXPTPU08RAF
PXPPVC08RAF

- Available in 3, 4, 5, 6 & 8 Contacts
- 1,1.5,2,3,5,7.5,10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



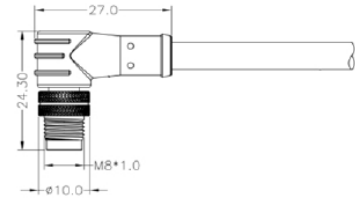
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC08RAF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU08RAF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC08RAF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU08RAF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC08RAF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU08RAF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC08RAF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU08RAF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC08RAF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU08RAF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC08RAF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU08RAF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC08RAF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU08RAF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC08RAF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU08RAF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC08RAF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU08RAF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC08RAF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU08RAF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC08RAF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU08RAF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC08RAF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU08RAF04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC08RAF05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU08RAF05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC08RAF05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU08RAF05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC08RAF05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU08RAF05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC08RAF05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU08RAF05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC08RAF05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU08RAF05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC08RAF05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU08RAF05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC08RAF06ACL010PVC	06	A	Overmold Cable	1m	PVC
PXPTPU08RAF06ACL010PUR	06	A	Overmold Cable	1m	PUR
PXPPVC08RAF06ACL020PVC	06	A	Overmold Cable	2m	PVC
PXPTPU08RAF06ACL020PUR	06	A	Overmold Cable	2m	PUR
PXPPVC08RAF08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPPNP08RAF04ACL015PVC	04	A	Overmold Cable	1.5m	PVC
PXPPNP08RAF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPPNP08RAF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPPNP08RAF04ACL075PVC	04	A	Overmold Cable	7.5m	PVC
PXPPNP08RAF04ACL100PVC	04	A	Overmold Cable	10m	PVC

M8 Right Angled Male



PXPTPU08RAM
PXPPVC08RAM

- Available in 3, 4 & 5 Contacts
- 1,2,3,5,10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC08RAM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU08RAM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC08RAM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU08RAM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC08RAM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU08RAM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC08RAM03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU08RAM03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC08RAM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU08RAM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC08RAM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU08RAM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC08RAM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU08RAM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC08RAM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU08RAM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC08RAM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU08RAM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC08RAM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU08RAM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC08RAM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU08RAM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC08RAM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU08RAM04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC08RAM05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU08RAM05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC08RAM05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU08RAM05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC08RAM05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU08RAM05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC08RAM05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU08RAM05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC08RAM05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU08RAM05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC08RAM05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU08RAM05BCL150PUR	05	B	Overmold Cable	15m	PUR

With a high degree of mechanical and electrical stability, **Bulgin's M12 connectors** provide a **cost effective** and **flexible connectivity solution** for onsite installations, helping to **decrease downtime** in process control, manufacturing automation and industrial instrumentation applications.



Key features:

- Reliable industry standard (EN 61076-2-101) screw locking mechanism
- IP67 degree of protection
- A, B, D, L, S & T Coded versions
- Field installable, cable and panel mount options
- Plastic and metal options variants
- Straight and right angled forms
- Overmolded PVC, PUR, PNP or NPN cable connectors
- Contact variants from 3 – 17

Full Contact Diagrams Page 31

M12 connectors are established as one of the most reliable and efficient connection standards for Industrial Machinery and Factory Automation applications. With a small footprint, extremely low failure rate and high performance capabilities, this range is ideal not only for sensor connections but also for a variety of fieldbus systems.

These M12 Series circular connectors are rugged, easy to use and extremely reliable solutions for sensor/actuator connectivity in industrial automation and control applications. With an IP67 rating, they are also extremely effective in harsh environments outside of industrial automation applications where compact and dependable connections with environmental protection are required.

Bulgin's field attachable M12 connectors feature a robust aluminium coupling nut, making them a lightweight and durable alternative to the more common nickel-plated M12 nut variants and an ideal plug and play solution for upgrading sensor systems with M12 connectivity.



Bulgin's M12 Series connectors are available in a variety of industry standard keying/coding options to further minimize wiring errors and serve a large variety of customer needs.

M12 Series coding options:
(Full Contact Diagrams Page 31)



A-Coding



B-Coding



D-Coding



L-Coding



S-Coding



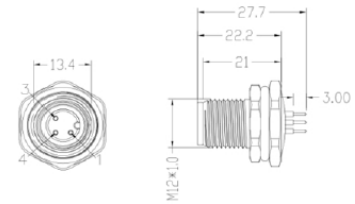
T-Coding

M12 Rear Panel Mounting Male



PXMBNI12RPM

- 3, 4, 5, 8 & 12 Contacts
- PCB termination
- Mates with Flex Body connectors



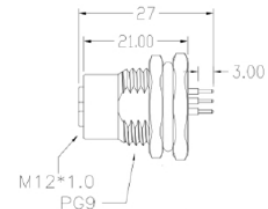
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12RPM03APCPG9	03	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM04APCPG9	04	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM05APCPG9	05	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM08APCPG9	08	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM12APCPG9	12	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM05BPCPG9	05	B	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM04DPCPG9	04	D	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPM03APCM16	03	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM04APCM16	04	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM05APCM16	05	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM08APCM16	08	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM12APCM16	12	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM05BPCM16	05	B	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM04DPCM16	04	D	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPM03APCM12	03	A	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM04APCM12	04	A	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM05APCM12	05	A	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM08APCM12	08	A	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM12APCM12	12	A	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM05BPCM12	05	B	PCB Terminal	M12 Mounting / Gland Nut Thread
PXMBNI12RPM04DPCM12	04	D	PCB Terminal	M12 Mounting / Gland Nut Thread

M12 Rear Panel Mounting Female



PXMBNI12RPF

- 3, 4, 5, 8 & 12 Contacts
- PCB termination
- Mates with Inline Body connectors



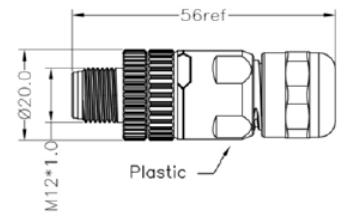
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12RPF03APCPG9	03	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF04APCPG9	04	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF05APCPG9	05	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF08APCPG9	08	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF12APCPG9	12	A	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF05BPCPG9	05	B	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF04DPCPG9	04	D	PCB Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12RPF03APCM16	03	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF04APCM16	04	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF05APCM16	05	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF08APCM16	08	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF12APCM16	12	A	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF05BPCM16	05	B	PCB Terminal	M16 Mounting / Gland Nut Thread
PXMBNI12RPF04DPCM16	04	D	PCB Terminal	M16 Mounting / Gland Nut Thread

M12 Inline Body Male



PXPPAM12FIM

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Inline Body
- Mates with Flex body and panel mount connectors



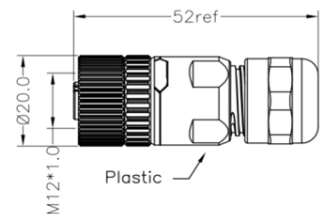
Part Number	Contacts	Code	Termination
PXPPAM12FIM03ASTPG9	03	A	Screw Terminal
PXPPAM12FIM04ASTPG9	04	A	Screw Terminal
PXPPAM12FIM05ASTPG9	05	A	Screw Terminal
PXPPAM12FIM08ASTPG9	08	A	Screw Terminal

M12 Flex Body Female



PXPPAM12FBF

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Flex Body
- Mates with Inline Body and panel mount connectors



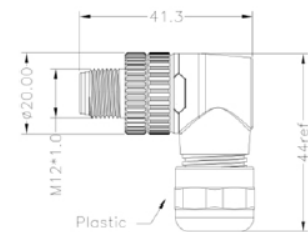
Part Number	Contacts	Code	Termination
PXPPAM12FBF03ASTPG9	03	A	Screw Terminal
PXPPAM12FBF04ASTPG9	04	A	Screw Terminal
PXPPAM12FBF05ASTPG9	05	A	Screw Terminal
PXPPAM12FBF08ASTPG9	08	A	Screw Terminal

M12 Right Angled Male



PXPPAM12RAM

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Inline Body
- Mates with Flex Body and panel mount connectors



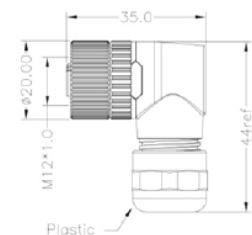
Part Number	Contacts	Code	Termination
PXPPAM12RAM03ASTPG9	03	A	Screw Terminal
PXPPAM12RAM04ASTPG9	04	A	Screw Terminal
PXPPAM12RAM05ASTPG9	05	A	Screw Terminal
PXPPAM12RAM08ASTPG9	08	A	Screw Terminal

M12 Right Angled Female



PXPPAM12RAF

- 3, 4, 5 & 8 Contacts
- Screw termination
- Plastic Flex Body
- Mates with Inline Body and panel mount connectors



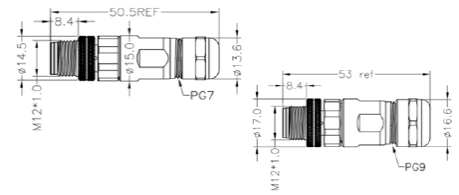
Part Number	Contacts	Code	Termination
PXPPAM12RAF03ASTPG9	03	A	Screw Terminal
PXPPAM12RAF04ASTPG9	04	A	Screw Terminal
PXPPAM12RAF05ASTPG9	05	A	Screw Terminal
PXPPAM12RAF08ASTPG9	08	A	Screw Terminal

Nickel Plating M12 Inline Body Male



PXMBNI12FIM

- 3, 4, 5, 8 & 12 Contacts
- Solder termination
- Metal Inline Body
- Mates with Flex body and panel mount connectors



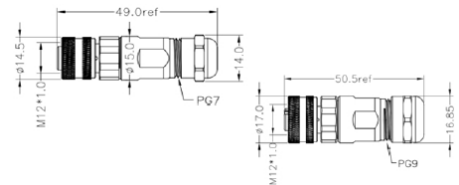
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12FIM03ASCPG7	03	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM04ASCPG7	04	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM05ASCPG7	05	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM08ASCPG7	08	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM12ASCPG7	12	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM05BSCPG7	05	B	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM04DSCPG7	04	D	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FIM03ASCPG9	03	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM04ASCPG9	04	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM05ASCPG9	05	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM08ASCPG9	08	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM12ASCPG9	12	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM05BSCPG9	05	B	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FIM04DSCPG9	04	D	Solder Terminal	PG9 Mounting / Gland Nut Thread

Nickel Plating M12 Flex Body Female



PXMBNI12FBF

- 3, 4, 5, 8 & 12 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



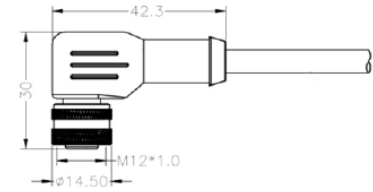
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12FBF03ASCPG7	03	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF04ASCPG7	04	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF05ASCPG7	05	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF08ASCPG7	08	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF12ASCPG7	12	A	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF05BSCPG7	05	B	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF04DSCPG7	04	D	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF04TSCPG7	04	T	Solder Terminal	PG7 Mounting / Gland Nut Thread
PXMBNI12FBF03ASCPG9	03	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF04ASCPG9	04	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF05ASCPG9	05	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF08ASCPG9	08	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF12ASCPG9	12	A	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF05BSCPG9	05	B	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF04DSCPG9	04	D	Solder Terminal	PG9 Mounting / Gland Nut Thread
PXMBNI12FBF04TSCPG9	04	T	Solder Terminal	PG7 Mounting / Gland Nut Thread

M12 Right Angled Female



PXPTPU12RAF
PXPPVC12RAF

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC12RAF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU12RAF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC12RAF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU12RAF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC12RAF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU12RAF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC12RAF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU12RAF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC12RAF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU12RAF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC12RAF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU12RAF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC12RAF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU12RAF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC12RAF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU12RAF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC12RAF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU12RAF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC12RAF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU12RAF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC12RAF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU12RAF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC12RAF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU12RAF04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC12RAF05ACL010PVC	05	A	Overmold Cable	1m	PVC
PXPTPU12RAF05ACL010PUR	05	A	Overmold Cable	1m	PUR
PXPPVC12RAF05ACL020PVC	05	A	Overmold Cable	2m	PVC
PXPTPU12RAF05ACL020PUR	05	A	Overmold Cable	2m	PUR
PXPPVC12RAF05ACL030PVC	05	A	Overmold Cable	3m	PVC
PXPTPU12RAF05ACL030PUR	05	A	Overmold Cable	3m	PUR
PXPPVC12RAF05ACL050PVC	05	A	Overmold Cable	5m	PVC
PXPTPU12RAF05ACL050PUR	05	A	Overmold Cable	5m	PUR
PXPPVC12RAF05ACL100PVC	05	A	Overmold Cable	10m	PVC
PXPTPU12RAF05ACL100PUR	05	A	Overmold Cable	10m	PUR
PXPPVC12RAF05ACL150PVC	05	A	Overmold Cable	15m	PVC
PXPTPU12RAF05ACL150PUR	05	A	Overmold Cable	15m	PUR
PXPPVC12RAF08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPTPU12RAF08ACL010PUR	08	A	Overmold Cable	1m	PUR
PXPPVC12RAF08ACL020PVC	08	A	Overmold Cable	2m	PVC
PXPTPU12RAF08ACL020PUR	08	A	Overmold Cable	2m	PUR
PXPPVC12RAF08ACL030PVC	08	A	Overmold Cable	3m	PVC
PXPTPU12RAF08ACL030PUR	08	A	Overmold Cable	3m	PUR
PXPPVC12RAF08ACL050PVC	08	A	Overmold Cable	5m	PVC
PXPTPU12RAF08ACL050PUR	08	A	Overmold Cable	5m	PUR
PXPPVC12RAF08ACL100PVC	08	A	Overmold Cable	10m	PVC
PXPTPU12RAF08ACL100PUR	08	A	Overmold Cable	10m	PUR
PXPPVC12RAF08ACL150PVC	08	A	Overmold Cable	15m	PVC
PXPTPU12RAF08ACL150PUR	08	A	Overmold Cable	15m	PUR
PXPPVC12RAF12ACL010PVC	12	A	Overmold Cable	1m	PVC
PXPTPU12RAF12ACL010PUR	12	A	Overmold Cable	1m	PUR
PXPPVC12RAF12ACL020PVC	12	A	Overmold Cable	2m	PVC
PXPTPU12RAF12ACL020PUR	12	A	Overmold Cable	2m	PUR
PXPPVC12RAF12ACL030PVC	12	A	Overmold Cable	3m	PVC
PXPTPU12RAF12ACL030PUR	12	A	Overmold Cable	3m	PUR
PXPPVC12RAF12ACL050PVC	12	A	Overmold Cable	5m	PVC
PXPTPU12RAF12ACL050PUR	12	A	Overmold Cable	5m	PUR
PXPPVC12RAF12ACL100PVC	12	A	Overmold Cable	10m	PVC
PXPTPU12RAF12ACL100PUR	12	A	Overmold Cable	10m	PUR
PXPPVC12RAF12ACL150PVC	12	A	Overmold Cable	15m	PVC
PXPTPU12RAF12ACL150PUR	12	A	Overmold Cable	15m	PUR

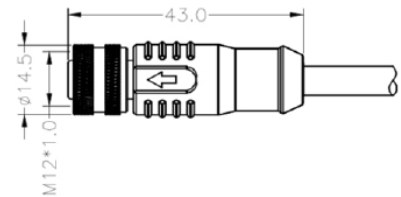
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PXPTPU12RAF05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC12RAF05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU12RAF05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC12RAF05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU12RAF05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC12RAF05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU12RAF05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC12RAF05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU12RAF05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC12RAF05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU12RAF05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC12RAF04DCL010PVC	04	D	Overmold Cable	1m	PVC
PXPTPU12RAF04DCL010PUR	04	D	Overmold Cable	1m	PUR
PXPPVC12RAF04DCL020PVC	04	D	Overmold Cable	2m	PVC
PXPTPU12RAF04DCL020PUR	04	D	Overmold Cable	2m	PUR
PXPPVC12RAF04DCL030PVC	04	D	Overmold Cable	3m	PVC
PXPTPU12RAF04DCL030PUR	04	D	Overmold Cable	3m	PUR
PXPPVC12RAF04DCL050PVC	04	D	Overmold Cable	5m	PVC
PXPTPU12RAF04DCL050PUR	04	D	Overmold Cable	5m	PUR
PXPPVC12RAF04DCL100PVC	04	D	Overmold Cable	10m	PVC
PXPTPU12RAF04DCL100PUR	04	D	Overmold Cable	10m	PUR
PXPPVC12RAF04DCL150PVC	04	D	Overmold Cable	15m	PVC
PXPTPU12RAF04DCL150PUR	04	D	Overmold Cable	15m	PUR
PXPPNP12RAF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPPNP12RAF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPPNP12RAF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPPNP12RAF04ACL100PVC	04	A	Overmold Cable	10m	PVC

M12 Flex Body Female



PXPTPU12FBF
PXPPVC12FBF

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC12FBF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU12FBF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC12FBF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU12FBF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC12FBF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU12FBF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC12FBF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU12FBF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC12FBF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU12FBF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC12FBF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU12FBF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC12FBF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU12FBF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC12FBF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU12FBF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC12FBF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU12FBF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC12FBF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU12FBF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC12FBF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU12FBF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC12FBF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU12FBF04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC12FBF05ACL010PVC	05	A	Overmold Cable	1m	PVC
PXPTPU12FBF05ACL010PUR	05	A	Overmold Cable	1m	PUR
PXPPVC12FBF05ACL020PVC	05	A	Overmold Cable	2m	PVC
PXPTPU12FBF05ACL020PUR	05	A	Overmold Cable	2m	PUR
PXPPVC12FBF05ACL030PVC	05	A	Overmold Cable	3m	PVC
PXPTPU12FBF05ACL030PUR	05	A	Overmold Cable	3m	PUR
PXPPVC12FBF05ACL050PVC	05	A	Overmold Cable	5m	PVC
PXPTPU12FBF05ACL050PUR	05	A	Overmold Cable	5m	PUR
PXPPVC12FBF05ACL100PVC	05	A	Overmold Cable	10m	PVC

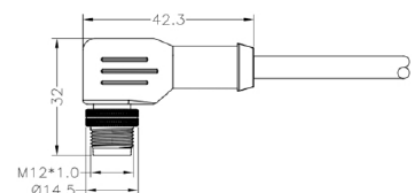
PXPTPU12FBF05ACL100PUR	05	A	Overmold Cable	10m	PUR
PXPPVC12FBF05ACL150PVC	05	A	Overmold Cable	15m	PVC
PXPTPU12FBF05ACL150PUR	05	A	Overmold Cable	15m	PUR
PXPPVC12FBF08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPTPU12FBF08ACL010PUR	08	A	Overmold Cable	1m	PUR
PXPPVC12FBF08ACL020PVC	08	A	Overmold Cable	2m	PVC
PXPTPU12FBF08ACL020PUR	08	A	Overmold Cable	2m	PUR
PXPPVC12FBF08ACL030PVC	08	A	Overmold Cable	3m	PVC
PXPTPU12FBF08ACL030PUR	08	A	Overmold Cable	3m	PUR
PXPPVC12FBF08ACL050PVC	08	A	Overmold Cable	5m	PVC
PXPTPU12FBF08ACL050PUR	08	A	Overmold Cable	5m	PUR
PXPPVC12FBF08ACL100PVC	08	A	Overmold Cable	10m	PVC
PXPTPU12FBF08ACL100PUR	08	A	Overmold Cable	10m	PUR
PXPPVC12FBF08ACL150PVC	08	A	Overmold Cable	15m	PVC
PXPTPU12FBF08ACL150PUR	08	A	Overmold Cable	15m	PUR
PXPPVC12FBF12ACL010PVC	12	A	Overmold Cable	1m	PVC
PXPTPU12FBF12ACL010PUR	12	A	Overmold Cable	1m	PUR
PXPPVC12FBF12ACL020PVC	12	A	Overmold Cable	2m	PVC
PXPTPU12FBF12ACL020PUR	12	A	Overmold Cable	2m	PUR
PXPPVC12FBF12ACL030PVC	12	A	Overmold Cable	3m	PVC
PXPTPU12FBF12ACL030PUR	12	A	Overmold Cable	3m	PUR
PXPPVC12FBF12ACL050PVC	12	A	Overmold Cable	5m	PVC
PXPTPU12FBF12ACL050PUR	12	A	Overmold Cable	5m	PUR
PXPPVC12FBF12ACL100PVC	12	A	Overmold Cable	10m	PVC
PXPTPU12FBF12ACL100PUR	12	A	Overmold Cable	10m	PUR
PXPPVC12FBF12ACL150PVC	12	A	Overmold Cable	15m	PVC
PXPTPU12FBF12ACL150PUR	12	A	Overmold Cable	15m	PUR
PXPPVC12FBF05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU12FBF05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC12FBF05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU12FBF05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC12FBF05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU12FBF05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC12FBF05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU12FBF05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC12FBF05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU12FBF05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC12FBF05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU12FBF05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC12FBF04DCL010PVC	04	D	Overmold Cable	1m	PVC
PXPTPU12FBF04DCL010PUR	04	D	Overmold Cable	1m	PUR
PXPPVC12FBF04DCL020PVC	04	D	Overmold Cable	2m	PVC
PXPTPU12FBF04DCL020PUR	04	D	Overmold Cable	2m	PUR
PXPPVC12FBF04DCL030PVC	04	D	Overmold Cable	3m	PVC
PXPTPU12FBF04DCL030PUR	04	D	Overmold Cable	3m	PUR
PXPPVC12FBF04DCL050PVC	04	D	Overmold Cable	5m	PVC
PXPTPU12FBF04DCL050PUR	04	D	Overmold Cable	5m	PUR
PXPPVC12FBF04DCL100PVC	04	D	Overmold Cable	10m	PVC
PXPTPU12FBF04DCL100PUR	04	D	Overmold Cable	10m	PUR
PXPPVC12FBF04DCL150PVC	04	D	Overmold Cable	15m	PVC
PXPTPU12FBF04DCL150PUR	04	D	Overmold Cable	15m	PUR
PXPTPU12FBF04TCL010PUR	05	L	Overmold Cable	1m	PUR
PXPTPU12FBF04SCL010PUR	04	S	Overmold Cable	1m	PUR
PXPTPU12FBF05LCL010PUR	04	T	Overmold Cable	1m	PUR
PXPPNP12FBF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPPNP12FBF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPPNP12FBF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPPNP12FBF04ACL100PVC	04	A	Overmold Cable	10m	PVC

M12 Right Angled Male



PXPTPU12RAM
PXPPVC12RAM

- ⊕ 3, 4, 5, 8 & 12 Contacts
- ⊕ 1, 2, 3, 5, 10 & 15m cable options
- ⊕ Overmold Inline Body
- ⊕ Mates with Flex Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC12RAM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU12RAM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC12RAM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU12RAM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC12RAM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU12RAM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC12RAM03ACL050PVC	03	A	Overmold Cable	5m	PVC

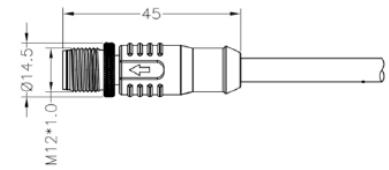
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PXPPVC12RAM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU12RAM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC12RAM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU12RAM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC12RAM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU12RAM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC12RAM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU12RAM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC12RAM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU12RAM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC12RAM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU12RAM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC12RAM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU12RAM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC12RAM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU12RAM04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC12RAM05ACL010PVC	05	A	Overmold Cable	1m	PVC
PXPTPU12RAM05ACL010PUR	05	A	Overmold Cable	1m	PUR
PXPPVC12RAM05ACL020PVC	05	A	Overmold Cable	2m	PVC
PXPTPU12RAM05ACL020PUR	05	A	Overmold Cable	2m	PUR
PXPPVC12RAM05ACL030PVC	05	A	Overmold Cable	3m	PVC
PXPTPU12RAM05ACL030PUR	05	A	Overmold Cable	3m	PUR
PXPPVC12RAM05ACL050PVC	05	A	Overmold Cable	5m	PVC
PXPTPU12RAM05ACL050PUR	05	A	Overmold Cable	5m	PUR
PXPPVC12RAM05ACL100PVC	05	A	Overmold Cable	10m	PVC
PXPTPU12RAM05ACL100PUR	05	A	Overmold Cable	10m	PUR
PXPPVC12RAM05ACL150PVC	05	A	Overmold Cable	15m	PVC
PXPTPU12RAM05ACL150PUR	05	A	Overmold Cable	15m	PUR
PXPPVC12RAM08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPTPU12RAM08ACL010PUR	08	A	Overmold Cable	1m	PUR
PXPPVC12RAM08ACL020PVC	08	A	Overmold Cable	2m	PVC
PXPTPU12RAM08ACL020PUR	08	A	Overmold Cable	2m	PUR
PXPPVC12RAM08ACL030PVC	08	A	Overmold Cable	3m	PVC
PXPTPU12RAM08ACL030PUR	08	A	Overmold Cable	3m	PUR
PXPPVC12RAM08ACL050PVC	08	A	Overmold Cable	5m	PVC
PXPTPU12RAM08ACL050PUR	08	A	Overmold Cable	5m	PUR
PXPPVC12RAM08ACL100PVC	08	A	Overmold Cable	10m	PVC
PXPTPU12RAM08ACL100PUR	08	A	Overmold Cable	10m	PUR
PXPPVC12RAM08ACL150PVC	08	A	Overmold Cable	15m	PVC
PXPTPU12RAM08ACL150PUR	08	A	Overmold Cable	15m	PUR
PXPPVC12RAM12ACL010PVC	12	A	Overmold Cable	1m	PVC
PXPTPU12RAM12ACL010PUR	12	A	Overmold Cable	1m	PUR
PXPPVC12RAM12ACL020PVC	12	A	Overmold Cable	2m	PVC
PXPTPU12RAM12ACL020PUR	12	A	Overmold Cable	2m	PUR
PXPPVC12RAM12ACL030PVC	12	A	Overmold Cable	3m	PVC
PXPTPU12RAM12ACL030PUR	12	A	Overmold Cable	3m	PUR
PXPPVC12RAM12ACL050PVC	12	A	Overmold Cable	5m	PVC
PXPTPU12RAM12ACL050PUR	12	A	Overmold Cable	5m	PUR
PXPPVC12RAM12ACL100PVC	12	A	Overmold Cable	10m	PVC
PXPTPU12RAM12ACL100PUR	12	A	Overmold Cable	10m	PUR
PXPPVC12RAM12ACL150PVC	12	A	Overmold Cable	15m	PVC
PXPTPU12RAM12ACL150PUR	12	A	Overmold Cable	15m	PUR
PXPPVC12RAM05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU12RAM05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC12RAM05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU12RAM05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC12RAM05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU12RAM05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC12RAM05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU12RAM05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC12RAM05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU12RAM05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC12RAM05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU12RAM05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC12RAM04DCL010PVC	04	D	Overmold Cable	1m	PVC
PXPTPU12RAM04DCL010PUR	04	D	Overmold Cable	1m	PUR
PXPPVC12RAM04DCL020PVC	04	D	Overmold Cable	2m	PVC
PXPTPU12RAM04DCL020PUR	04	D	Overmold Cable	2m	PUR
PXPPVC12RAM04DCL030PVC	04	D	Overmold Cable	3m	PVC
PXPTPU12RAM04DCL030PUR	04	D	Overmold Cable	3m	PUR
PXPPVC12RAM04DCL050PVC	04	D	Overmold Cable	5m	PVC
PXPTPU12RAM04DCL050PUR	04	D	Overmold Cable	5m	PUR
PXPPVC12RAM04DCL100PVC	04	D	Overmold Cable	10m	PVC
PXPTPU12RAM04DCL100PUR	04	D	Overmold Cable	10m	PUR
PXPPVC12RAM04DCL150PVC	04	D	Overmold Cable	15m	PVC
PXPTPU12RAM04DCL150PUR	04	D	Overmold Cable	15m	PUR

M12 Inline Body Male



PXPTPU12FIM
PXPPVC12FIM

- 3, 4, 5, 8 & 12 Contacts
- 1, 2, 3, 5, 10 & 15m cable options
- Overmold Inline Body
- Mates with Flex Body & panel mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC12FIM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU12FIM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC12FIM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU12FIM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC12FIM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU12FIM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC12FIM03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU12FIM03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC12FIM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU12FIM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC12FIM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU12FIM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC12FIM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU12FIM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC12FIM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU12FIM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC12FIM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU12FIM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC12FIM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU12FIM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC12FIM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU12FIM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC12FIM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU12FIM04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC12FIM05ACL010PVC	05	A	Overmold Cable	1m	PVC
PXPTPU12FIM05ACL010PUR	05	A	Overmold Cable	1m	PUR
PXPPVC12FIM05ACL020PVC	05	A	Overmold Cable	2m	PVC
PXPTPU12FIM05ACL020PUR	05	A	Overmold Cable	2m	PUR
PXPPVC12FIM05ACL030PVC	05	A	Overmold Cable	3m	PVC
PXPTPU12FIM05ACL030PUR	05	A	Overmold Cable	3m	PUR
PXPPVC12FIM05ACL050PVC	05	A	Overmold Cable	5m	PVC
PXPTPU12FIM05ACL050PUR	05	A	Overmold Cable	5m	PUR
PXPPVC12FIM05ACL100PVC	05	A	Overmold Cable	10m	PVC
PXPTPU12FIM05ACL100PUR	05	A	Overmold Cable	10m	PUR
PXPPVC12FIM05ACL150PVC	05	A	Overmold Cable	15m	PVC
PXPTPU12FIM05ACL150PUR	05	A	Overmold Cable	15m	PUR
PXPPVC12FIM08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPTPU12FIM08ACL010PUR	08	A	Overmold Cable	1m	PUR
PXPPVC12FIM08ACL020PVC	08	A	Overmold Cable	2m	PVC
PXPTPU12FIM08ACL020PUR	08	A	Overmold Cable	2m	PUR
PXPPVC12FIM08ACL030PVC	08	A	Overmold Cable	3m	PVC
PXPTPU12FIM08ACL030PUR	08	A	Overmold Cable	3m	PUR
PXPPVC12FIM08ACL050PVC	08	A	Overmold Cable	5m	PVC
PXPTPU12FIM08ACL050PUR	08	A	Overmold Cable	5m	PUR
PXPPVC12FIM08ACL100PVC	08	A	Overmold Cable	10m	PVC
PXPTPU12FIM08ACL100PUR	08	A	Overmold Cable	10m	PUR
PXPPVC12FIM08ACL150PVC	08	A	Overmold Cable	15m	PVC
PXPTPU12FIM08ACL150PUR	08	A	Overmold Cable	15m	PUR
PXPPVC12FIM12ACL010PVC	12	A	Overmold Cable	1m	PVC
PXPTPU12FIM12ACL010PUR	12	A	Overmold Cable	1m	PUR
PXPPVC12FIM12ACL020PVC	12	A	Overmold Cable	2m	PVC
PXPTPU12FIM12ACL020PUR	12	A	Overmold Cable	2m	PUR
PXPPVC12FIM12ACL030PVC	12	A	Overmold Cable	3m	PVC
PXPTPU12FIM12ACL030PUR	12	A	Overmold Cable	3m	PUR
PXPPVC12FIM12ACL050PVC	12	A	Overmold Cable	5m	PVC
PXPTPU12FIM12ACL050PUR	12	A	Overmold Cable	5m	PUR
PXPPVC12FIM12ACL100PVC	12	A	Overmold Cable	10m	PVC
PXPTPU12FIM12ACL100PUR	12	A	Overmold Cable	10m	PUR
PXPPVC12FIM12ACL150PVC	12	A	Overmold Cable	15m	PVC
PXPTPU12FIM12ACL150PUR	12	A	Overmold Cable	15m	PUR

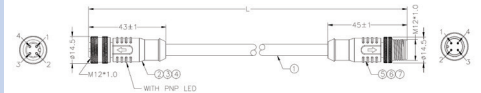
PXPPVC12FIM05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU12FIM05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC12FIM05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU12FIM05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC12FIM05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU12FIM05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC12FIM05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU12FIM05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC12FIM05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU12FIM05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC12FIM05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU12FIM05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC12FIM04DCL010PVC	04	D	Overmold Cable	1m	PVC
PXPTPU12FIM04DCL010PUR	04	D	Overmold Cable	1m	PUR
PXPPVC12FIM04DCL020PVC	04	D	Overmold Cable	2m	PVC
PXPTPU12FIM04DCL020PUR	04	D	Overmold Cable	2m	PUR
PXPPVC12FIM04DCL030PVC	04	D	Overmold Cable	3m	PVC
PXPTPU12FIM04DCL030PUR	04	D	Overmold Cable	3m	PUR
PXPPVC12FIM04DCL050PVC	04	D	Overmold Cable	5m	PVC
PXPTPU12FIM04DCL050PUR	04	D	Overmold Cable	5m	PUR
PXPPVC12FIM04DCL100PVC	04	D	Overmold Cable	10m	PVC
PXPTPU12FIM04DCL100PUR	04	D	Overmold Cable	10m	PUR
PXPPVC12FIM04DCL150PVC	04	D	Overmold Cable	15m	PVC
PXPTPU12FIM04DCL150PUR	04	D	Overmold Cable	15m	PUR
PXPTPU12FIM05LCL010PUR	05	L	Overmold Cable	1m	PUR
PXPTPU12FIM04SCL010PUR	04	S	Overmold Cable	1m	PUR
PXPTPU12FIM04TCL010PUR	04	T	Overmold Cable	1m	PUR

M12 Flex Body To Inline



PXPPNP12FBF

- 4 Contacts
- 0.3, 0.6, 1 & 2m cable options
- Overmold Inline Body to Inline
- Mates with Flex Body & panel mount connectors



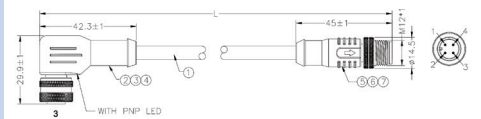
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPNP12FBF04AFI003PUR	04	A	Inline	0.3m	PUR
PXPPNP12FBF04AFI006PUR	04	A	Inline	0.6m	PUR
PXPPNP12FBF04AFI010PUR	04	A	Inline	1m	PUR
PXPPNP12FBF04AFI020PUR	04	A	Inline	2m	PUR

M12 Right Angle To Inline



PXPPNP12RAF

- 4 Contacts
- 0.3, 0.6, 1 & 2m cable options
- Overmold Inline Body to Inline
- Mates with Flex Body & panel mount connectors



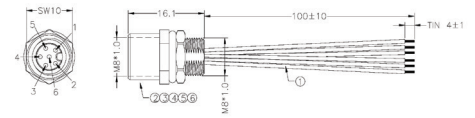
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPNP12RAF04AFI003PUR	04	A	Inline	0.3m	PUR
PXPPNP12RAF04AFI006PUR	04	A	Inline	0.6m	PUR
PXPPNP12RAF04AFI010PUR	04	A	Inline	1m	PUR
PXPPNP12RAF04AFI020PUR	04	A	Inline	2m	PUR

M12 Front & Rear Panel Mount Flying Leads



PXMBNI12RPM
PXMBNI12RPF
PXMBNI12FPF
PXMBNI12FPM

- 4, 5 & 17 Contacts
- 0.1 & 0.2m cable options
- Overmold Inline Body
- Mates with Flex Body



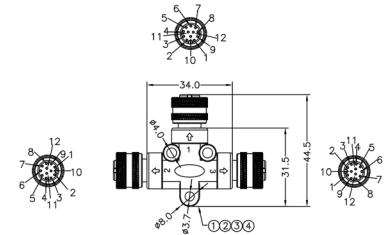
Part Number	Front or Rear	Contacts	Code	Termination	Lead Length	Mounting Nut
PXMBNI12FPM17AFLM12001	Front	17	A	Flying Lead	0.1m	M12
PXMBNI12FPF17AFLPG9001	Front	17	A	Flying Lead	0.1m	PG9
PXMBNI12FPM17AFLPG9001	Front	17	A	Flying Lead	0.1m	PG9
PXMBNI12FPF17AFLM16001	Front	17	A	Flying Lead	0.1m	M16
PXMBNI12FPM17AFLM16001	Front	17	A	Flying Lead	0.1m	M16
PXMBNI12RPM17AFLM12001	Rear	17	A	Flying Lead	0.1m	M12
PXMBNI12RPF17AFLPG9001	Rear	17	A	Flying Lead	0.1m	PG9
PXMBNI12RPM17AFLPG9001	Rear	17	A	Flying Lead	0.1m	PG9
PXMBNI12RPF17AFLM16001	Rear	17	A	Flying Lead	0.1m	M16
PXMBNI12RPM17AFLM16001	Rear	17	A	Flying Lead	0.1m	M16
PXMBNI12RPM05LFLM16001	Rear	5	L	Flying Lead	0.1m	M16
PXMBNI12RPF05LFLM16001	Rear	5	L	Flying Lead	0.1m	M16
PXMBNI12RPM04SFLM16002	Rear	4	S	Flying Lead	0.2m	M16
PXMBNI12RPF04SFLM16002	Rear	4	S	Flying Lead	0.2m	M16
PXMBNI12RPM04TFLM16001	Rear	4	T	Flying Lead	0.1m	M16
PXMBNI12RPF04TFLM16001	Rear	4	T	Flying Lead	0.1m	M16

M12 T-Splitters



PXPPVC12TS

- 4, 5, 8 & 12 Contacts
- Mates with Flex Body & panel mount connectors



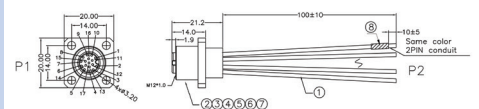
Part Number	Contacts	Code	Termination
PXPPVC12TSMM04AFIIF	4	A	Male-Male-Male
PXPPVC12TSMM05AFIIF	5	A	Male-Male-Male
PXPPVC12TSMM08AFIIF	8	A	Male-Male-Male
PXPPVC12TSMM12AFIIF	12	A	Male-Male-Male
PXPPVC12TSFM04AFBIFB	4	A	Female-Female-Male
PXPPVC12TSFM05AFBIFB	5	A	Female-Female-Male
PXPPVC12TSFM08AFBIFB	8	A	Female-Female-Male
PXPPVC12TSFM12AFBIFB	12	A	Female-Female-Male
PXPPVC12TSFF04AFBBFB	4	A	Female-Female-Female
PXPPVC12TSFF05AFBBFB	5	A	Female-Female-Female
PXPPVC12TSFF08AFBBFB	8	A	Female-Female-Female
PXPPVC12TSFF12AFBBFB	12	A	Female-Female-Female

M12 Fixed Flange



PXMBNI12FL

- 17 Contacts
- 0.1m cable options
- Mates with Flex Body



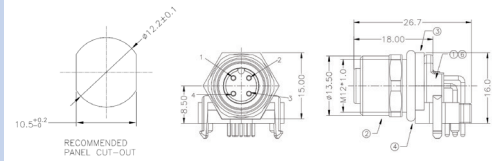
Part Number	Contacts	Code	Termination	Lead Length	Mounting
PXMBNI12FLF17AFLFFL001	17	A	Flying Lead	0.1m	Fixed Flange
PXMBNI12FLM17AFLFFL001	17	A	Flying Lead	0.1m	Fixed Flange

M12 Right Angle Rear Panel Mount



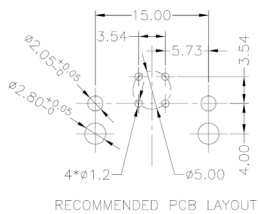
PXMBN12RA

- ⊕ 4, 5, 8 & 12 Contacts
- ⊕ Mates with Flex Body
- ⊕ PCB Termination

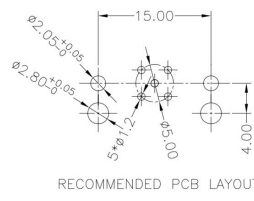


Part Number	Contacts	Code	Type	Termination	Mounting Nut
PXMBN12RAF04APCM12	4	A	Female	PCB Terminal	M12
PXMBN12RAF05APCM12	5	A	Female	PCB Terminal	M12
PXMBN12RAF08APCM12	8	A	Female	PCB Terminal	M12
PXMBN12RAF12APCM12	12	A	Female	PCB Terminal	M12
PXMBN12RAM04APCM12	4	A	Male	PCB Terminal	M12
PXMBN12RAM05APCM12	5	A	Male	PCB Terminal	M12
PXMBN12RAM08APCM12	8	A	Male	PCB Terminal	M12
PXMBN12RAM12APCM12	12	A	Male	PCB Terminal	M12

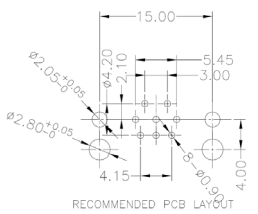
PCB Contact Layouts:



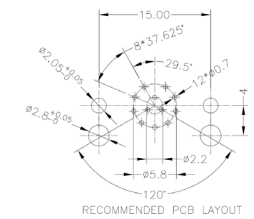
4 Contact PCB Layout



5 Contact PCB Layout



8 Contact PCB Layout



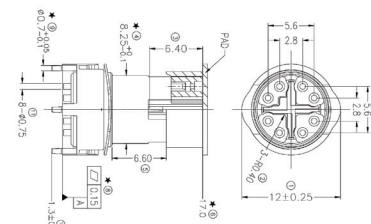
12 Contact PCB Layout

M12 SMT Connectors



PXPLCP12SM

- ⊕ 4, 5, 8 & 12 Contacts
- ⊕ Male and Female options
- ⊕ PCB Termination



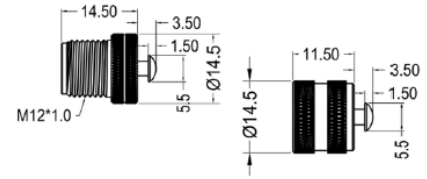
Part Number	Male-Male or Male-Female	Contacts	Code	Termination
PXPLCP12SMM04APC	Male-Male	4	A	PCB Terminal
PXPLCP12SMM05APC	Male-Male	5	A	PCB Terminal
PXPLCP12SMM08APC	Male-Male	8	A	PCB Terminal
PXPLCP12SMM12APC	Male-Male	12	A	PCB Terminal
PXPLCP12SMF05APC	Male-Female	5	A	PCB Terminal
PXPLCP12SMF08APC	Male-Female	8	A	PCB Terminal

PA66 M12 Sealing Cap



PXPPAM12

- Sealing caps to maintain IP67 rating
- Male & Female versions



Part Number

Series

Type

Material

PXPPAM12CAM
PXPPAM12CAF

M12
M12

Male
Female

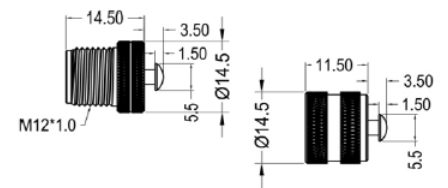
PA66
PA66

Brass - Nickel Plating M12 Sealing Cap



PXMBNI12

- Sealing caps to maintain IP67 rating
- Male & Female versions



Part Number

Series

Type

Material

PXMBNI12CAM
PXMBNI12CAF

M12
M12

Male
Female

Brass - Nickel Plating
Brass - Nickel Plating

Electrical

No. Contacts:	3	4	5	6	8	12	17
Current Rating:	4A	4A	4A	1.5A	2A	1.5A	1.5A
Voltage Rating (ac/dc) :	250V	250V	60V	30V	30V	30V	30V
Contact Resistance:	<10mΩ						
Insulation Resistance:	>100MΩ						
AC Breakdown Voltage:							
3 Contacts	1.5KV						
4 Contacts	1.5KV						
5 Contacts	1.5KV						
6 Contacts	1.5KV						
8 Contacts	0.8KV						
12 Contacts	0.8KV						
17 Contacts	0.8KV						
Operating Temp Range:	-25°C to 80°C						

Mechanical:

Locking Mechanism:	Screw coupling
Rating:	IP67
Contact Accommodation:	3, 4, 5, 6, 8, 12 & 17 Contacts
Cable Acceptance:	28AWG-22AWG
Contacts:	4.6 - 8.0mm Dia
	Terminations:
3, 4, 5, 6, 8, 12, 17	PCB / Screw / Solder / Cable PCB / Solder / Cable
Mechanical Operation:	500 & 100 mating cycle options available
Largest diameter over coupling ring:	20.0mm

Panel Mounting Connectors:

Cable Connectors:

Flex & Inline Connectors:

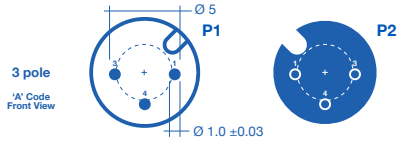
Body Material:	Nickel Plated Brass	TPU / PVC / LCP	Nickel Plated Brass / PA66
Coupling Nut Material:	Nickel Plated Brass	Nickel Plated Brass	Nickel Plated Brass
Colour:	Grey	Black	Black or Grey
Plug Contacts Material:	Brass, Gold plating	Brass, Gold plating	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton	Viton	Viton
RoHS:	Compliant	Compliant	Compliant

XXX	XXX	XX	XX	X or XX	XX	X	XX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM	BNI = Brass Nickel PAM = Polyamide	12	FB = Flex Body FI = Inline Body	M = Male F = Female	03 04 05 06 08 12 17	A B D L S T P	ST = Screw Terminal PC = PCB CL = Cable SC = Solder FI = Inline FL = Flying Lead
PXP	TPU = Overmold for PUR PVC = Overmold for PVC PNP = + Signal LED NPN = - Signal LED LCP = Liquid Crystal Polymer		RP = Rear Panel Mounting RA = Right Angle SC = Sealing Cap FP = Front Panel Mounting TS = T-Splitter FL = Flange SM = Surface Mount	T-Splitters = MM FM FF			T-Splitter = FIIFI FBIFB FBBFB

XXX	XXX	XXX
Mounting / Gland Nut Thread	Lead Length	Cable Material
PG9	001 = 100mm 002 = 200mm	PUR
PG7	003 = 300mm	PVC
M12	010 = 1m 030 = 3m 050 = 5m	
M16	100 = 10m 150 = 15m	
FFL = Fixed Flange		

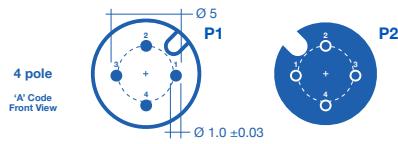
Contact Diagrams:

XXXXXXXXXXM03XXXXXXXXXXXX
XXXXXXXXXXF03XXXXXXXXXXXX



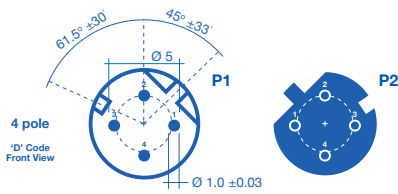
P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
3	—	BLUE	3
4	—	BLACK	4

XXXXXXXXXXM04XXXXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXXXX



4 Plugs A-CODED

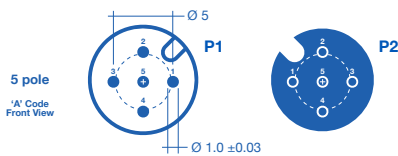
P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4



4 Plugs D-CODED

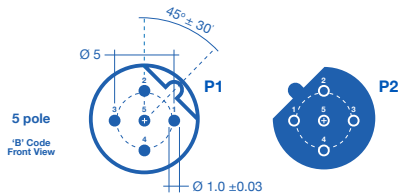
P1	PAIR	WIRE COLOUR	P2
1	—	YELLOW	1
2	—	WHITE	2
3	—	ORANGE	3
4	—	BLUE	4

XXXXXXXXXXM05XXXXXXXXXXXX
XXXXXXXXXXF05XXXXXXXXXXXX



5 Plugs A-CODED

P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4
5	—	GREY	5

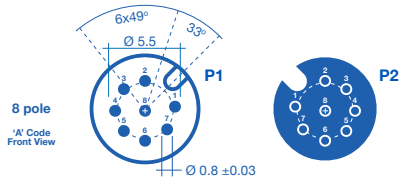


5 Plugs B-CODED

P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4
5	—	GREY	5

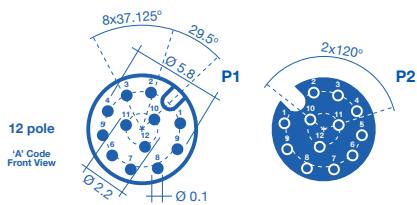
Contact Diagrams:

XXXXXXXXXXM08XXXXXXXXXXXX
XXXXXXXXXXF08XXXXXXXXXXXX



P1	PAIR	WIRE COLOUR	P2
1	—	WHITE	1
2	—	BROWN	2
3	—	GREEN	3
4	—	YELLOW	4
5	—	GREY	5
6	—	PINK	6
7	—	BLUE	7
8	—	RED	8

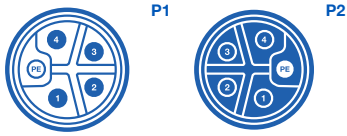
XXXXXXXXXXM12XXXXXXXXXXXX
XXXXXXXXXXF12XXXXXXXXXXXX



P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	BLUE	2
3	—	WHITE	3
4	—	GREEN	4
5	—	PINK	5
6	—	YELLOW	6
7	—	BLACK	7
8	—	GREY	8
9	—	RED	9
10	—	VIOLET	10
11	—	GREY / PINK	11
12	—	RED / BLUE	12

Contact Diagrams:

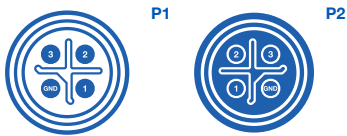
XXXXXXXXXXM05XXXXXXXXXXXXX
XXXXXXXXXXF05XXXXXXXXXXXXX



5 Plugs L-CODED

P1	PAIR	COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4
GND	—	GREY	GND

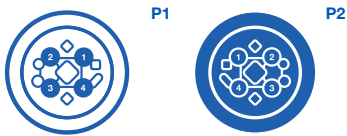
XXXXXXXXXXM04XXXXXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXXXXX



4 Plugs S-CODED

P1	PAIR	COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
GND	—	BLACK	GND

XXXXXXXXXXM04XXXXXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXXXXX



4 Plugs T-CODED

P1	PAIR	COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4

With a high degree of mechanical and electrical stability, **Bulgin's M12 X Coding connectors** provide a **cost effective and flexible connectivity solution** for onsite installations, helping to **decrease downtime** in process control, manufacturing automation and industrial instrumentation applications.

Key features:

- Reliable industry standard (EN 61076-2-109) screw locking mechanism
- Field installable, cable and panel mount options
- Maximum Data Signaling Rate to 10Gbit/s
- -25 °C to 85 °C Temperature Range
- Plastic and metal options variants
- Cat6a cables
- Ethernet, Profinet Application
- 800V Rated Impulse Voltage
- IP67 degree of protection
- 0.5A Rated Current
- M12 X Coding

M12 Series coding options:
(Full Contact Diagrams Page 46)



X-Coding

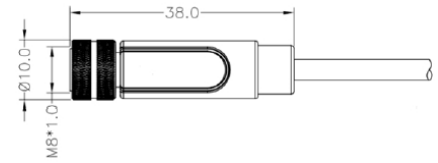


M8 Flex Body Female



PXPTPU08FBF
PXPPVC08FBF

- Available in 3, 4, 5, 6 & 8 Contacts
- 1,2,3,5,10 & 15m cable options
- Overmold Flex Body
- Mates with Inline Body & panel mount connectors



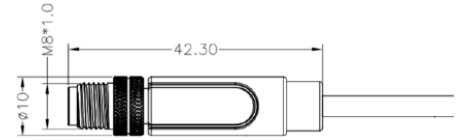
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC08FBF03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU08FBF03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC08FBF03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU08FBF03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC08FBF03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU08FBF03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC08FBF03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU08FBF03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC08FBF03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU08FBF03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC08FBF03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU08FBF03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC08FBF04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU08FBF04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC08FBF04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU08FBF04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC08FBF04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU08FBF04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC08FBF04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU08FBF04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC08FBF04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU08FBF04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC08FBF04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU08FBF04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC08FBF05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU08FBF05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC08FBF05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU08FBF05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC08FBF05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU08FBF05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC08FBF05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU08FBF05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC08FBF05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU08FBF05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC08FBF05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU08FBF05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPVC08FBF06ACL010PVC	06	A	Overmold Cable	1m	PVC
PXPPVC08FBF08ACL010PVC	08	A	Overmold Cable	1m	PVC
PXPTPU08FBF04PCL010PUR	04	P	Overmold Cable	1m	PUR

M8 Inline Body Male



PXPTPU08FIM
PXPPVC08FIM

- Available in 3, 4 & 5 Contacts
- 1,1.5,2,3,5,7.5,10 & 15m cable options
- Overmold Inline Body Mates with Flex Body & panel mount connectors



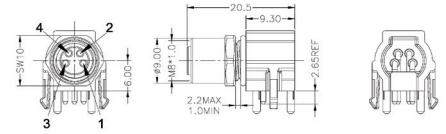
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPPVC08FIM03ACL010PVC	03	A	Overmold Cable	1m	PVC
PXPTPU08FIM03ACL010PUR	03	A	Overmold Cable	1m	PUR
PXPPVC08FIM03ACL020PVC	03	A	Overmold Cable	2m	PVC
PXPTPU08FIM03ACL020PUR	03	A	Overmold Cable	2m	PUR
PXPPVC08FIM03ACL030PVC	03	A	Overmold Cable	3m	PVC
PXPTPU08FIM03ACL030PUR	03	A	Overmold Cable	3m	PUR
PXPPVC08FIM03ACL050PVC	03	A	Overmold Cable	5m	PVC
PXPTPU08FIM03ACL050PUR	03	A	Overmold Cable	5m	PUR
PXPPVC08FIM03ACL100PVC	03	A	Overmold Cable	10m	PVC
PXPTPU08FIM03ACL100PUR	03	A	Overmold Cable	10m	PUR
PXPPVC08FIM03ACL150PVC	03	A	Overmold Cable	15m	PVC
PXPTPU08FIM03ACL150PUR	03	A	Overmold Cable	15m	PUR
PXPPVC08FIM04ACL010PVC	04	A	Overmold Cable	1m	PVC
PXPTPU08FIM04ACL010PUR	04	A	Overmold Cable	1m	PUR
PXPPVC08FIM04ACL020PVC	04	A	Overmold Cable	2m	PVC
PXPTPU08FIM04ACL020PUR	04	A	Overmold Cable	2m	PUR
PXPPVC08FIM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPTPU08FIM04ACL030PUR	04	A	Overmold Cable	3m	PUR
PXPPVC08FIM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPTPU08FIM04ACL050PUR	04	A	Overmold Cable	5m	PUR
PXPPVC08FIM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU08FIM04ACL100PUR	04	A	Overmold Cable	10m	PUR
PXPPVC08FIM04ACL150PVC	04	A	Overmold Cable	15m	PVC
PXPTPU08FIM04ACL150PUR	04	A	Overmold Cable	15m	PUR
PXPPVC08FIM05BCL010PVC	05	B	Overmold Cable	1m	PVC
PXPTPU08FIM05BCL010PUR	05	B	Overmold Cable	1m	PUR
PXPPVC08FIM05BCL020PVC	05	B	Overmold Cable	2m	PVC
PXPTPU08FIM05BCL020PUR	05	B	Overmold Cable	2m	PUR
PXPPVC08FIM05BCL030PVC	05	B	Overmold Cable	3m	PVC
PXPTPU08FIM05BCL030PUR	05	B	Overmold Cable	3m	PUR
PXPPVC08FIM05BCL050PVC	05	B	Overmold Cable	5m	PVC
PXPTPU08FIM05BCL050PUR	05	B	Overmold Cable	5m	PUR
PXPPVC08FIM05BCL100PVC	05	B	Overmold Cable	10m	PVC
PXPTPU08FIM05BCL100PUR	05	B	Overmold Cable	10m	PUR
PXPPVC08FIM05BCL150PVC	05	B	Overmold Cable	15m	PVC
PXPTPU08FIM05BCL150PUR	05	B	Overmold Cable	15m	PUR
PXPPNP08FIM04ACL015PVC	04	A	Overmold Cable	1.5m	PVC
PXPPNP08FIM04ACL030PVC	04	A	Overmold Cable	3m	PVC
PXPPNP08FIM04ACL050PVC	04	A	Overmold Cable	5m	PVC
PXPPNP08FIM04ACL075PVC	04	A	Overmold Cable	7.5m	PVC
PXPPNP08FIM04ACL100PVC	04	A	Overmold Cable	10m	PVC
PXPTPU08FIM04PCL010PUR	04	P	Overmold Cable	1m	PUR

M8 Right Angle PCB Mount



PXMBNI08RAF
PXMBNI08RAM

- Available in 3 & 4 Contacts
- PCB Termination
- Mates with Inline Body & Flex Body



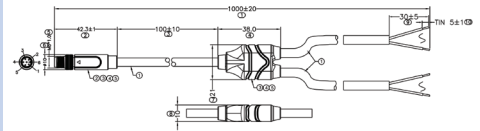
Part Number	Contacts	Code	Termination
PXMBNI08RAF03APCM8	03	A	PCB Terminal
PXMBNI08RAF04APCM8	04	A	PCB Terminal
PXMBNI08RAM03APCM8	03	A	PCB Terminal
PXMBNI08RAM04APCM8	04	A	PCB Terminal

M8 Y-Splitters



PXPPVC08FIM

- Available in 6 & 8 Contacts
- Overmold Flex Body
- Mates with Flex Body



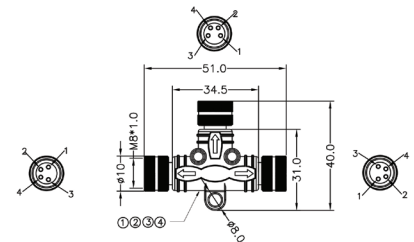
Part Number	Contacts	Code	Termination
PXPPVC08FIM06AYT010PVC	06	A	Overmold Cable
PXPPVC08FIM08AYT010PVC	08	A	Overmold Cable

M8 T-Splitters



PXPPVC08TSMM
PXPPVC08TSFF

- Available in 3 & 4 Contacts
- Mates with Inline Body & Flex Body



Part Number	Contacts	Code	Termination
PXPPVC08TSMM04AFIFI	04	A	Male-Male-Male
PXPPVC08TSMM03AFIFI	03	A	Male-Male-Male
PXPPVC08TSFF04AFBBFB	04	A	Female-Female-Female
PXPPVC08TSFF03AFBBFB	03	A	Female-Female-Female

Electrical

No. Contacts:	3	4	5	6	8
Current Rating:	3A	3A	1.5A	1.5A	1.5A
Voltage Rating (ac/dc) :	60V	30V	30V	30V	30V
Contact Resistance:	<10mΩ				
Insulation Resistance:	>100MΩ				
AC Breakdown Voltage:	1.5KV				
3 Contacts					
4 Contacts	0.8KV				
5 Contacts	0.8KV				
6 Contacts	0.8KV				
8 Contacts	0.8KV				
Operating Temp Range:	-25°C to 80°C				

Mechanical:

Locking Mechanism:	Screw coupling
Rating:	IP67
Contact Accommodation:	3, 4 & 5 Contacts 28AWG-22AWG
Contacts:	Terminations:
3 Contacts	Flying Lead / PCB / Cable Screw / Solder
4 Contacts	Flying Lead / PCB / Cable Screw / Solder
5 Contacts	Flying Lead / PCB / Cable Screw / Solder
6 Contacts	Flying Lead / PCB / Cable Screw / Solder
8 Contacts	Flying Lead / PCB / Cable Screw / Solder
Mechanical Operation:	500 Mating Cycles
Diameter over coupling ring:	12.0mm

Panel Mounting Connectors:

Body Material:	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass
Colour:	Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

Cable Connectors:

Body Material:	TPU / PVC
Coupling Nut Material:	Nickel Plated Brass
Colour:	Black
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

Flex & Inline Connectors:

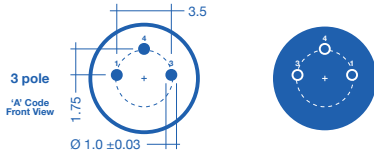
Body Material:	Nickel Plated Brass / PA66
Coupling Nut Material:	Nickel Plated Brass
Colour:	Black or Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

XXX	XXX	XX	XX	X or XX	XX	X	XX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM	BNI = Brass Nickel PAM = Polyamide	08	FB = Flex Body FI = Inline Body	M = Male F = Female	03 04 05 06 08	A B P	ST = Screw Terminal PC = PCB FL = Flying Lead CL = Cable SC = Solder YT = Y-Type
PXP	TPU = overmold for PUR PVC = overmold for PVC PNP = LED PNP		FP = Front Panel Mounting RP = Rear Panel Mounting RA = Right Angle TS = T-Splitter	T-Split = MM MF			T-Split Only = FIIFI FBIFB FBBFB

XXX	XXX	XXX
Mounting Nut	Lead Length	Cable Material
M8 M16	001 = 100mm 002 = 200mm 003 = 300mm 010 = 1m 020 = 2m 030 = 3m 050 = 5m 075 = 7.5m 100 = 10m 150 = 15m	PUR PVC

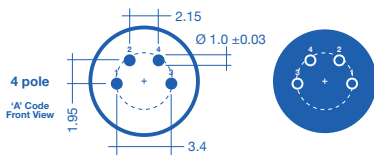
Contact Diagrams:

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XXXXXXXXXXF03XXXXXXXXXX



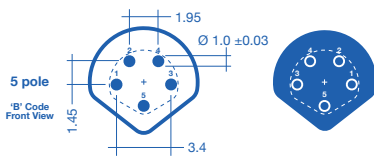
P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
3	—	BLUE	3
4	—	BLACK	4

XXXXXXXXXXM04XXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXX



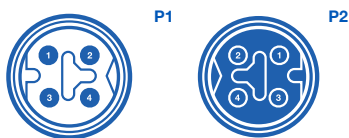
P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4

XXXXXXXXXXM05XXXXXXXXXX
XXXXXXXXXXF05XXXXXXXXXX



P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BLACK	4
5	—	GREY	5
6	—	PINK	6

XXXXXXXXXXM04XXXXXXXXXXXXXX
XXXXXXXXXXF04XXXXXXXXXXXXXX



4 Plugs P-CODED

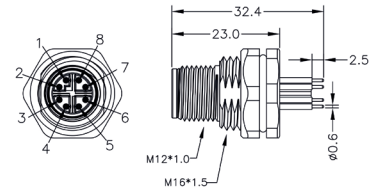
P1	PAIR	COLOUR	P2
1	—	YELLOW	1
2	—	WHITE	2
3	—	BLUE	3
4	—	BROWN	4

M12 X Code Rear Panel Mounting Male



PXMBNI12RPM08XPCM16

- 8 Contacts
- PCB termination
- Mates with flex body connectors



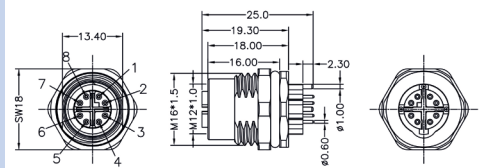
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12RPM08XPCM16	08	X	PCB Terminal	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female



PXMBNI12RPF08XPCM16

- 8 Contacts
- PCB termination
- Mates with Inline body connectors



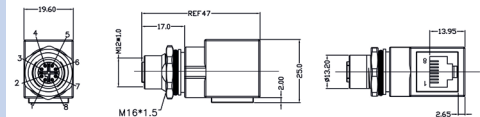
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12RPF08XPCM16	08	X	PCB Terminal	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female - RJ45



PXMBNI12RAF08XRJM16

- 8 Contacts
- Solder termination
- Metal flex body
- Mates with Inline body connectors



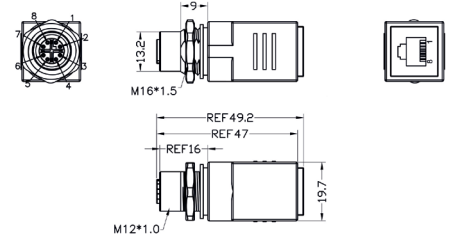
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12RAF08XRJM16	08	X	RJ45	M16 Mounting / Gland Nut Thread

M12 X Code Rear Panel Mounting Female - RJ45



PXMBNI12RPM08XRJM16

- 8 Contacts
- Solder termination
- Metal flex body
- Mates with Inline body connectors



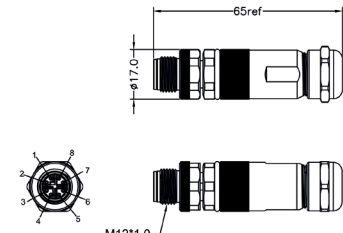
Part Number	Contacts	Code	Termination	Mounting Nut
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Nickel Plated M12 X Code Inline Body Male



PXMBNI12FIM08XSCPG9

- 8 Contacts
- Solder termination
- Metal Inline body
- Mates with flex body and panel mount connectors



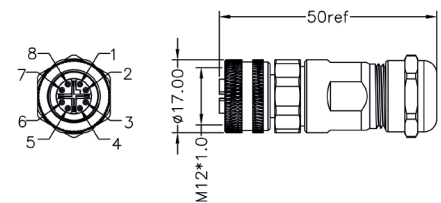
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12FIM08XSCPG9	08	X	Solder Terminal	PG9 Mounting / Gland Nut Thread

Nickel Plating M12 X Code Flex Body Female



PXMBNI12FBF08XSCPG9

- 8 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



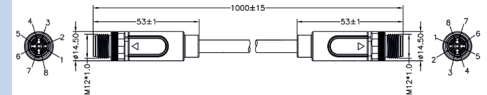
Part Number	Contacts	Code	Termination	Mounting Nut
PXMBNI12FBF08XSCPG9	08	X	Solder Terminal	PG9 Mounting / Gland Nut Thread

Inline to Inline Overmould Cable



PXPTPU12FIM08XFI010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



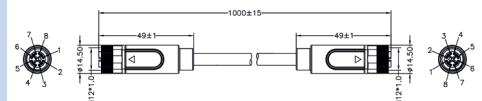
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XFI010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XFI020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XFI030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XFI050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XFI100PU	08	X	Overmold Cable	10m	PU

Flex Body to Flex Body Overmould Cable



PXPTPU12FBF08XFB010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



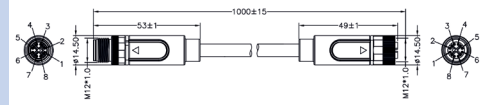
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XFB010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XFB020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XFB030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XFB050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XFB100PU	08	X	Overmold Cable	10m	PU

Inline to Flex Body Overmould Cable



PXPTPU12FIM08XFB010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



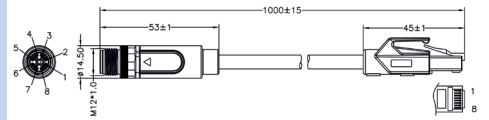
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XFB010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XFB020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XFB030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XFB050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XFB100PU	08	X	Overmold Cable	10m	PU

Inline to RJ45 Overmould Cable



PXPTPU12FIM08XRJ010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



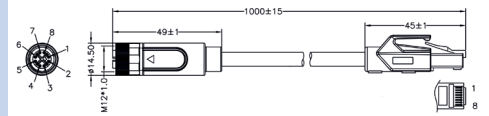
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XRJ010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XRJ020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XRJ030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XRJ050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XRJ100PU	08	X	Overmold Cable	10m	PU

Flex body to RJ45 Overmould Cable



PXPTPU12FBF08XRJ010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



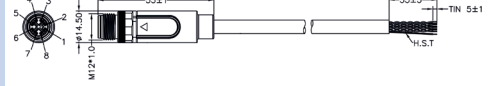
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XRJ010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XRJ020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XRJ030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XRJ050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XRJ100PU	08	X	Overmold Cable	10m	PU

Inline Overmould Cable



PXPTPU12FIM08XCL010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



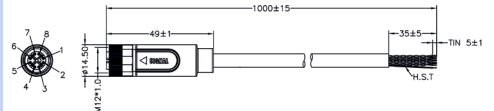
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FIM08XCL010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FIM08XCL020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FIM08XCL030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FIM08XCL050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FIM08XCL100PU	08	X	Overmold Cable	10m	PU

Inline Overmold Cable



PXPTPU12FBF08XCL010PU

- 8 Contacts
- 1, 2, 3, 5 & 10m cable options
- TPU flex body overmold
- PU jacket cable



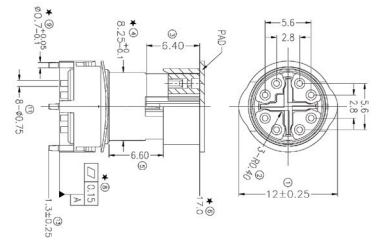
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU12FBF08XCL010PU	08	X	Overmold Cable	1m	PU
PXPTPU12FBF08XCL020PU	08	X	Overmold Cable	2m	PU
PXPTPU12FBF08XCL030PU	08	X	Overmold Cable	3m	PU
PXPTPU12FBF08XCL050PU	08	X	Overmold Cable	5m	PU
PXPTPU12FBF08XCL100PU	08	X	Overmold Cable	10m	PU

M12 SMT Connectors



PXPLCP12SM

- 4, 5, 8 & 12 Contacts
- Male and Female options
- PCB Termination



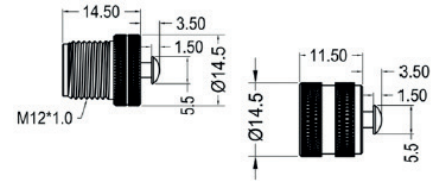
Part Number	Contacts	Code	Termination
PXPLCP12SMF08XPC	8	X	PCB Terminal

PA66 M12 Sealing Cap



PXPPAM12

- Sealing caps to maintain IP67 rating
- Male & Female versions



Part Number

Series

Type

Material

PXPPAM12CAM
PXPPAM12CAF

M12
M12

Male
Female

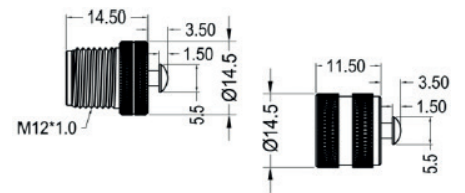
PA66
PA66

Brass - Nickel Plating M12 Sealing Cap



PXMBNI12

- Sealing caps to maintain IP67 rating
- Male & Female versions



Part Number

Series

Type

Material

PXMBNI12CAM
PXMBNI12CAF

M12
M12

Male
Female

Brass - Nickel Plating
Brass - Nickel Plating

Buccaneer
M12 X Coding Series

Specifications



Electrical:

No. Contacts:	8
Current Rating:	0.5A
Voltage Rating (ac/dc) :	48V
Contact Resistance:	<5mΩ
Insulation Resistance:	>100MΩ
Operating Temp Range:	-25°C to 85°C

Mechanical:

Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accommodation:	
8 Contacts	26AWG x 4P + AEB
Cable:	6.2mm Dia
Contacts:	Terminations:
8 Contacts	PCB / Solder / Cable
Mechanical Operation:	500 mating cycles
Largest diameter over coupling ring:	20.0mm

Panel Mount:

Body Material:	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass
Colour:	Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

Cable Connectors:

TPU / LCP
Nickel Plated Brass
Black
Brass, Gold plating
Phosphor Bronze, Gold plating
Viton
Compliant

Flex & Inline Connectors:

Nickel Plated Brass
Nickel Plated Brass
Grey
Brass, Gold plating
Phosphor Bronze, Gold plating
Viton
Compliant

MX	XXX	XX	XX	X	XX	X	XX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM PXP	BNI = Brass Nickel TPU = overmold for PUR LCP = Liquid Crystal Polymer	12	FB = Flex Body FI = Inline Body RP = Rear Panel Mounting RA = Right Angle	M = Male F = Female	08	X	PC = PCB CL = Cable SC = Solder RJ = RJ45 FB = FLEX BODY FI = Inline BODY

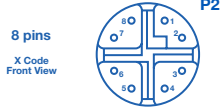
XXX	XXX	XXX
Mounting / Gland Nut Thread	Lead Length	Cable Material
PG9 M16	010 = 1m 020 = 2m 030 = 3m 050 = 5m 100 = 10m	PUR

Contact Diagrams:

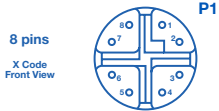
PXMBNI12RPM08XPCM16
PXMBNI12FIM08XSCPG9



PXMBNI12RPF08XPCM16
PXMBNI12FBF08XSCPG9



PXMBNI12RAF08XRJM16
PXMBNI12RPM08XRJM16



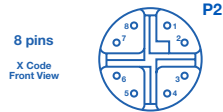
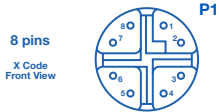
P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	1
2			2
3	X	WHITE / GREEN	3
4			4
5	X	WHITE / BLUE	5
6			6
7	X	WHITE / BROWN	7
8			8

PXPTPU12FIM08XFI010PU

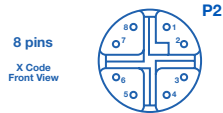


P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	1
2			2
3	X	WHITE / GREEN	3
4			4
5	X	WHITE / BLUE	5
6			6
7	X	WHITE / BROWN	7
8			8
SHELL	—	BRAID	SHELL

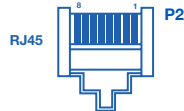
PXPTPU12FBF08XFB010PU



PXPTPU12FIM08XFB010PU

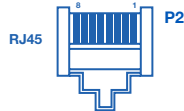
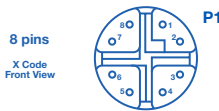


PXPTPU12FIM08XRJ010PU



P1	PAIR	WIRE COLOUR	PAIR	P2
1	X	WHITE / ORANGE ORANGE	X	1
2				2
3	X	WHITE / GREEN GREEN	X	3
4				6
7	X	WHITE / BLUE BLUE	X	5
8				4
5	X	WHITE / BROWN BROWN	X	7
6				8

PXPTPU12FBF08XRJ010PU



PXPTPU12FIM08XCL010PU



PXPTPU12FBF08XCL010PU



P1	PAIR	WIRE COLOUR	P2
1	X	WHITE / ORANGE	OPEN
2			
3	X	WHITE / GREEN	
4			
5	X	WHITE / BLUE	
6			
7	X	WHITE / BROWN	
8			
SHELL	—	BRAID	

With a rugged metal housing and environmental protection rating of IP67 when mated, Bulgin's robust M16 circular DIN connector range is an ideal solution for ensuring that power and signal connections are not compromised in harsh environments and industrial applications.



Key features:

- Screw locking compliant with DIN EN 61076-2-106
- IP67 degree of protection
- Robust metal connector
- Excellent EMI shielding
- Contact variants from 3 - 12

M16 Series coding options:
(Full Contact Diagrams Page 51)



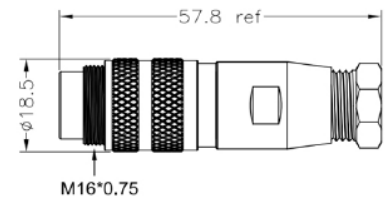
A-Coding

M16 Inline Body Male



PXMBNI16FIM

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Metal Inline Body
- Mates with Flex Body and panel mount connectors



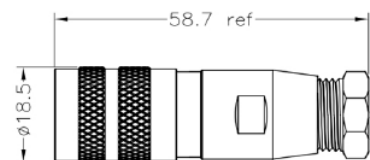
Part Number	Contacts	Code	Termination
PXMBNI16FIM03ASC	03	A	Solder Terminal
PXMBNI16FIM04ASC	04	A	Solder Terminal
PXMBNI16FIM05ASC	05	A	Solder Terminal
PXMBNI16FIM06ASC	06	A	Solder Terminal
PXMBNI16FIM08ASC	08	A	Solder Terminal
PXMBNI16FIM12ASC	12	A	Solder Terminal

M16 Flex Body Female



PXMBNI16FBF

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Metal Flex Body
- Mates with Inline Body and panel mount connectors



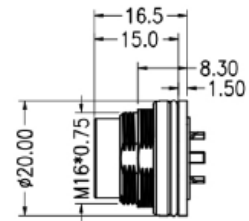
Part Number	Contacts	Code	Termination
PXMBNI16FBF03ASC	03	A	Solder Terminal
PXMBNI16FBF04ASC	04	A	Solder Terminal
PXMBNI16FBF05ASC	05	A	Solder Terminal
PXMBNI16FBF06ASC	06	A	Solder Terminal
PXMBNI16FBF08ASC	08	A	Solder Terminal
PXMBNI16FBF12ASC	12	A	Solder Terminal

M16 Rear Panel Mounting Male



PXMBNI16RPM

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Mates with Flex body connectors



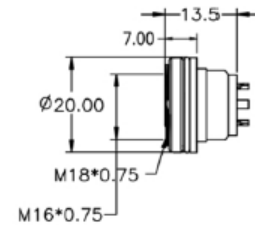
Part Number	Contacts	Code	Termination
PXMBNI16RPM03ASC	03	A	Solder Terminal
PXMBNI16RPM04ASC	04	A	Solder Terminal
PXMBNI16RPM05ASC	05	A	Solder Terminal
PXMBNI16RPM06ASC	06	A	Solder Terminal
PXMBNI16RPM08ASC	08	A	Solder Terminal
PXMBNI16RPM12ASC	12	A	Solder Terminal

M16 Rear Panel Mounting Female



PXMBNI16RPF

- 3, 4, 5, 6, 8 & 12 Contacts
- Solder termination
- Mates with Inline Body connectors



Part Number	Contacts	Code	Termination
PXMBNI16RPF03ASC	03	A	Solder Terminal
PXMBNI16RPF04ASC	04	A	Solder Terminal
PXMBNI16RPF05ASC	05	A	Solder Terminal
PXMBNI16RPF06ASC	06	A	Solder Terminal
PXMBNI16RPF08ASC	08	A	Solder Terminal
PXMBNI16RPF12ASC	12	A	Solder Terminal



Electrical

No. Contacts:	3	4	5	6	8	12
Current Rating:	7A	7A	6A	5A	5A	3A
Voltage Rating (ac/dc) :	250V	250V	250V	125V	60V	60V
Contact Resistance:	<5mΩ 3, 4, 5, 6 and 8 Contacts <3mΩ 12 Contacts					
Insulation Resistance:	>100 ³ MΩ					
AC Breakdown Voltage:						
3 Contacts						2.0KV
4 Contacts						2.0KV
5 Contacts						2.0KV
6 Contacts						1.5KV
8 Contacts						1.5KV
12 Contacts						1.5KV
Operating Temp Range:	-25°C to 80°C					

Mechanical:

Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accommodation:	
3, 4, 5, 6 and 8 Contacts	20AWG
12 Contacts	24 AWG
Cable Acceptance:	5.0 - 7.5mm Dia
Contacts:	Terminations:
	Solder
Mechanical Operation:	500 mating cycles
Diameter over coupling ring:	18.5mm

Panel Mount:

Body Material:	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass
Colour:	Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

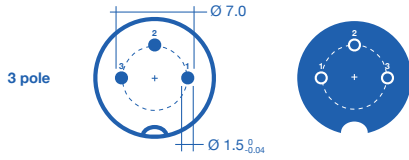
Flex & Inline Connectors:

Body Material:	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass
Colour:	Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

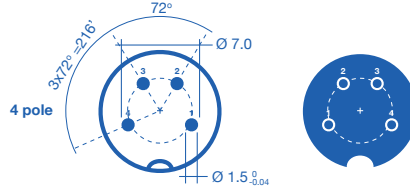
XXX	XXX	XX	XX	X	XX	X	XX	XXX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination	Mounting / Gland Nut Thread
PXM	BNI = Brass Nickel	16	FB = Flex Body FI = Inline Body RP = Rear Panel Mounting	M = Male F = Female	03 04 05 06 08 12	A	SC = Solder	PG9 M16

Contact Diagrams (Front View 'A' Code):

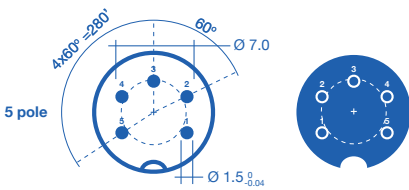
XXXXXXXXXXM03XXXXXX
XXXXXXXXXXF03XXXXXX



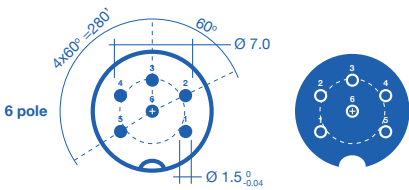
XXXXXXXXXXM04XXXXXX
XXXXXXXXXXF04XXXXXX



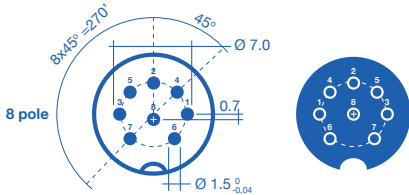
XXXXXXXXXXM05XXXXXX
XXXXXXXXXXF05XXXXXX



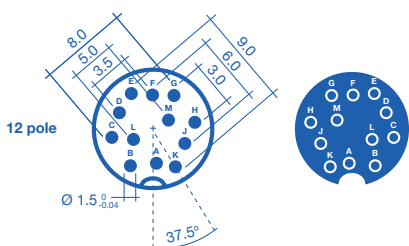
XXXXXXXXXXM06XXXXXX
XXXXXXXXXXF06XXXXXX



XXXXXXXXXXM08XXXXXX
XXXXXXXXXXF08XXXXXX



XXXXXXXXXXM12XXXXXX
XXXXXXXXXXF12XXXXXX



Typically used for providing **high performance, reliable and robust connections** in commercial and industrial automation applications, these **IP67 rated signal and power connectors** offer a **high degree of protection** against environmental factors such as water, dirt and moisture.

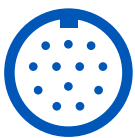
Bulgin's range of M23 Connectors includes field installable male and female connectors as well as front panel mount options from 12- to 19-Contacts in straight and right angled versions.



Key features:

- A-Coded
- Male and female variants, 12 or 19 Contacts
- Straight and angled configurations
- Robust metal housing
- IP67 protection rating (when mated)
- Voltages up to 200 V and currents up to 8 A

M23 Series coding options:
(Full Contact Diagrams Page 55)



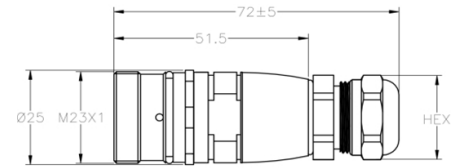
A-Coding

M23 Inline Body



PXMBNI23FIM

- Available in 12 & 19 Contacts
- Solder termination
- Metal Inline Body
- Mates with panel mount connectors



Part Number	Contacts	Code	Termination
-------------	----------	------	-------------

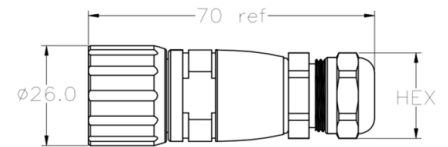
PXMBNI23FIM12ASC	12	A	Screw Terminal
PXMBNI23FIM19ASC	19	A	Screw Terminal

M23 Flex Body Female



PXMBNI23FBF

- Available in 12 & 19 Contacts
- Solder termination
- Metal Flex Body
- Mates with panel mount connectors



Part Number	Contacts	Code	Termination
-------------	----------	------	-------------

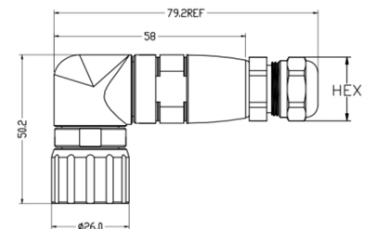
PXMBNI23FBF12ASC	12	A	Screw Terminal
PXMBNI23FBF19ASC	19	A	Screw Terminal

M23 Right Angled Female



PXMBNI23RAF

- Available in 12 & 19 Contacts
- Solder termination
- Metal Right Angle Flex Body
- Mates with panel mount connectors



Part Number	Contacts	Code	Termination
-------------	----------	------	-------------

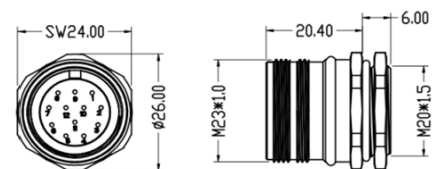
PXMBNI23RAF12ASC	12	A	Screw Terminal
PXMBNI23RAF19ASC	19	A	Screw Terminal

M23 Front Panel Mounting Male



PXMBNI23FPM

- Available in 12 & 19 Contacts
- Solder termination
- Mates with Flex Body connectors



Part Number	Contacts	Code	Termination
-------------	----------	------	-------------

PXMBNI23FPM12ASC	12	A	Screw Terminal
PXMBNI23FPM19ASC	19	A	Screw Terminal

Electrical

No. Contacts:	12	19
Current Rating:	8A	8A
Voltage Rating (ac/dc) :	200V	150V
Contact Resistance:	<3mΩ	
Insulation Resistance:	>100 ³ MΩ	
AC Breakdown Voltage:		
12 Contacts	1.5KV	
19 Contacts	1.5KV	
Operating Temp Range:	-25°C to 80°C	

Mechanical:

Locking Mechanism:	Screw coupling
Sealing:	IP67
Contact Accommodation:	
12 Contacts	18 AWG
19 Contacts	17 AWG
Cable Acceptance:	6.0 - 8.0mm Dia
Contacts:	Terminations:
	Solder
Mechanical Operation:	500 mating cycles
Diameter over coupling ring:	26.0mm

Panel Mount:

Body Material:	Nickel Plated Brass
Coupling Nut Material:	Nickel Plated Brass
Colour:	Grey
Plug Contacts Material:	Brass, Gold plating
Socket Contacts Material:	Phosphor Bronze, Gold plating
O Rings & Gaskets Materials:	Viton
RoHS:	Compliant

Flex & Inline Connectors:

Nickel Plated Brass
Nickel Plated Brass
Grey
Brass, Gold plating
Phosphor Bronze, Gold plating
Viton
Compliant

XXX	XXX	XX	XX	X	XX	X	XX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM	BNI = Brass Nickel	23	FB = Flex Body	M = Male	12	A	SC = Solder
PXP			FI = Inline Body FP = Front Panel Mounting RA = Right Angle	F = Female	19		

Contact Diagrams (Front View 'A' Code):

XXXXXXXXXXM12XXX
XXXXXXXXXXF12XXX

12 pole



Contact Position	X	Y
1	3.60	4.30
2	5.55	1.00
3	4.90	-2.80
4	1.90	-5.30
5	-1.90	-5.30
6	-4.90	-2.80
7	-5.55	1.00
8	-3.60	4.30
9	0.00	4.50
10	1.90	1.00
11	0.00	-2.20
12	-1.90	1.00

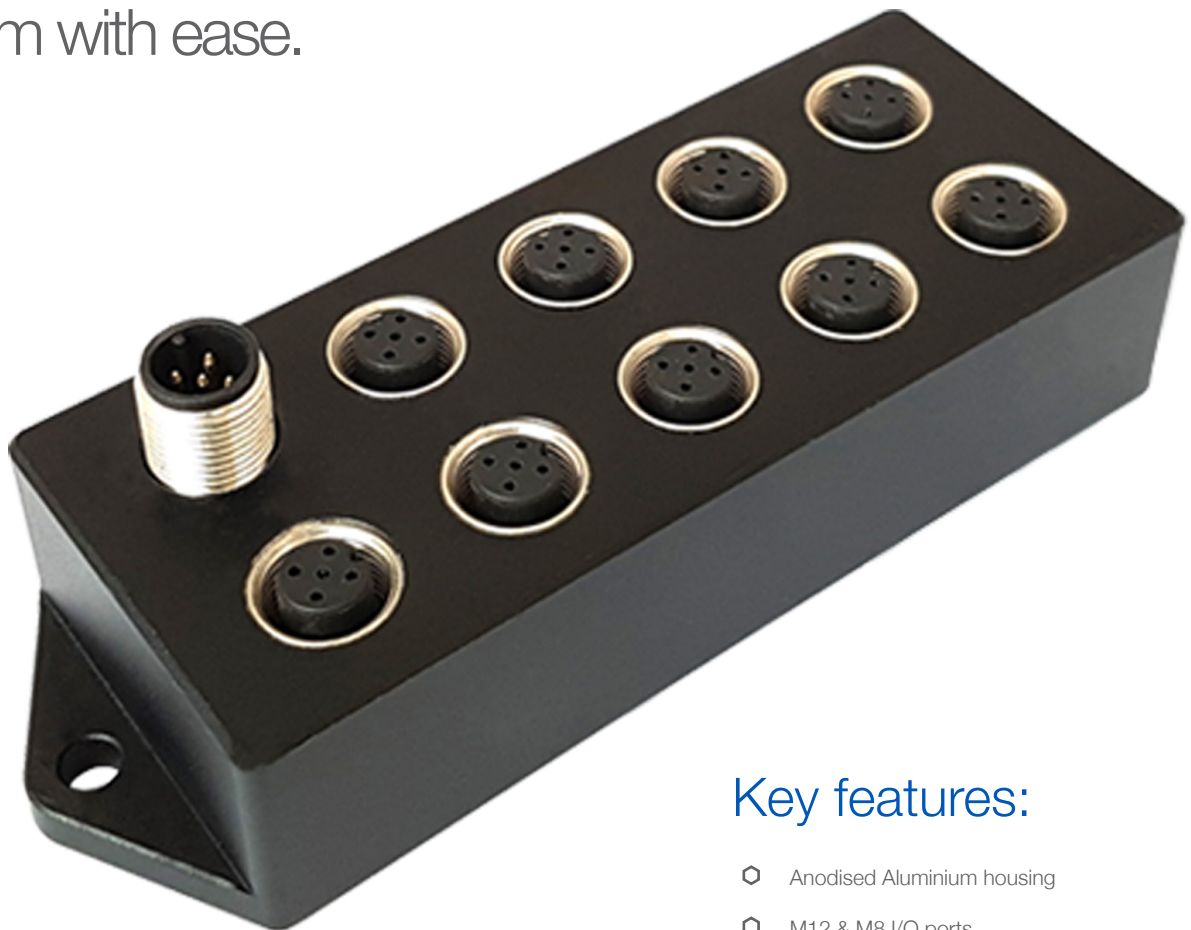
XXXXXXXXXXM19XXX
XXXXXXXXXXF19XXX

19 pole




Contact Position	X	Y
1	3.00	5.20
2	5.20	3.00
3	6.00	5.00
4	5.20	-3.00
5	3.00	-5.20
6	0.00	-6.00
7	-3.00	5.20
8	-5.20	-3.00
9	-6.00	0.00
10	-5.20	3.00
11	-3.00	5.20
12	0.00	6.00
13	2.75	1.60
14	2.75	-1.60
15	0.00	-3.00
16	-2.75	-1.60
17	-2.75	1.60
18	0.00	3.00
19	0.00	0.00

Passive distribution boxes provide a **convenient and compact connectivity solution** that can be installed quickly and easily in the field. They offer considerable **cost saving benefits** when compared to hard-wiring I/O connections due to their pre-wired connector slot configurations which enables numerous **sensor and actuator signals** to be transmitted back to a control system with ease.



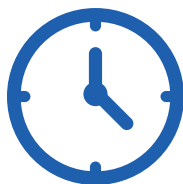
Key features:

- Anodised Aluminium housing
- M12 & M8 I/O ports
- Available with or without LED indicators
- IP67 rated
- 5, 8, and 9 port configurations
- Operating Temp Range -25°C to 80°C



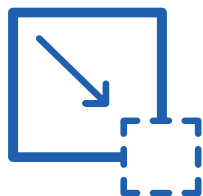
Bulgin's passive distribution boxes feature industry standard M12 and M8 I/O connection ports. With a compact design and robust aluminium housing that is IP67 sealed and fully potted; these distribution units offer high performance and protection against elements such as moisture, liquids and dirt in environmentally challenging applications.

The Benefits:



Save Time

With the need to hard wire I/O connections removed and variants coming equipped with identification labels and integrated LEDs, Bulgin's distribution boxes help to save on costs associated with installation, maintenance and repair time by making it easy and quick to troubleshoot connection faults.



Save Space

Distribution boxes save space in the field as they require less space than more conventional distribution systems due to their compact design. They take up far less space than loose wires and require fewer terminal blocks/boxes, making them the ideal solution for many machine requirements or automation systems.



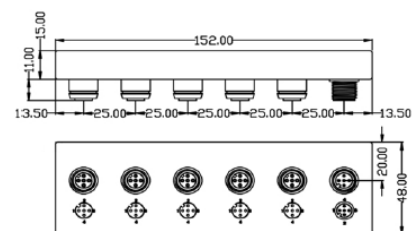
Save Money

By simplifying the wiring control system and eliminating the need for additional enclosures, distributor boxes can be installed quickly which saves time and costs. Their ability to reduce troubleshooting time also means that downtime can be significantly minimised in manufacturing, food-processing and industrial automation applications.



BOX1M1205MA05M1205F

- 5 outputs
- Sealed using sealing caps
- Anodised aluminium body
- Mates with Flex Body and Inline Connectors

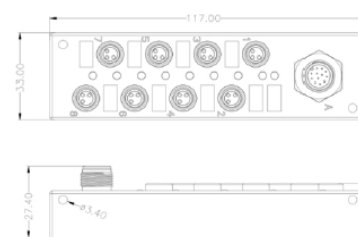


Part Number	Input Type	Input Contact Count	Output Ports	Output Type	Output Contact Count
BOX1M1205MA05M1205F	M12	5 Contacts	5 Ports	M12	5 Contacts



BOX1M1212MA08M803F

- 8 outputs
- Sealed using sealing caps
- Anodised aluminium body
- Mates with Flex Body and Inline Connectors

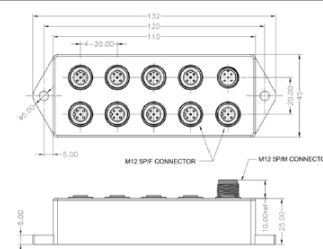


Part Number	Input Type	Input Contact Count	Output Ports	Output Type	Output Contact Count
BOX1M1212MA08M803F	M12	12 Contacts	8 Ports	M8	3 Contacts



BOX1M1205MA09M1205F

- 9 outputs
- Sealed using sealing caps
- Anodised aluminium body
- Mates with Flex Body and Inline Connectors



Part Number	Input Type	Input Contact Count	Output Ports	Output Type	Output Contact Count
BOX1M1205MA09M1205F	M12	5 Contacts	9 Ports	M12	5 Contacts

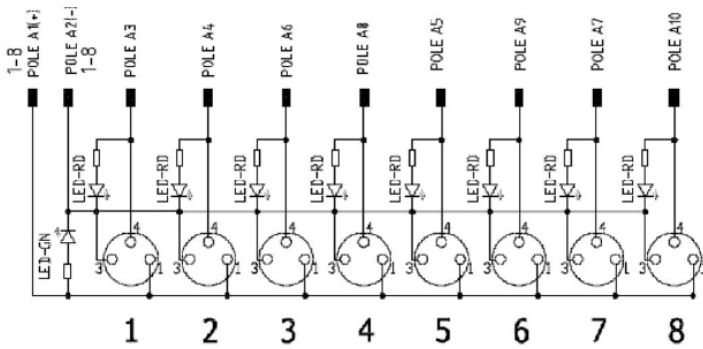
Specifications:

Locking mechanism: Screw coupling
 Sealing: IP67
 Operating Temp Range: -25°C to 80°C

Box & Panel Mount:

Body Material: Anodised Aluminium
 Colour: Black
 Plug Contacts Material: Brass, Gold plating
 Socket Contacts Material: Phosphor Bronze, Gold plating
 RoHS: Compliant

Wiring diagram for BOX1M1212MA08M803F



BOX	X	XX	XX	X	X	XX	XX	XX	X
Series Box	Inputs 1	Input Series M12	Input Contacts 05 12	Orientation M	Code A	Outputs 05 08 09	Output Series M8 M12	Output Contacts 03 05	Orientation F = Female

7/8" Series Circular Automation Connectors provide rugged and field-proven performance. Available as **Flex Body** or **Right-Angled** variants, they are provided with or without cable. Either as a **Field-Terminated** variant with a screw terminal connection or as **overmoulded connectors** with predetermined cable.

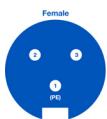
These connectors can be used in Automotive Industry, Construction, Agriculture, Marine, Mining, Forestry, and Recreational.



Key features:

- ⊞ Available with 3, 4 & 5 Contacts
- ⊞ Wire Gauge 16-20 AWG
- ⊞ High degree of environmental protection - IP67 rated
- ⊞ Available in Right-Angle, Flex Body and Front Panel Mount
- ⊞ Secure & reliable screw-locking mechanism
- ⊞ Insulation resistance 100 megohms minimum
- ⊞ Accepts contact size 1.3 mm (up to 17 amps gold, up to 8 amps tin)
- ⊞ Operating at temperatures -25°C to +85°C
- ⊞ Voltage: 300V
- ⊞ Robust PUR over-moulded cables

7/8" Series coding options: (Full Contact Diagrams Page 66)



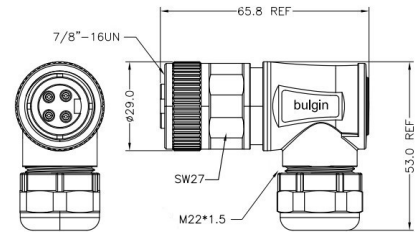
A-Coding

7/8" Right-Angled Female Connector



PXPTPU78RAF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Cable entry: 6 - 12mm
- Mates with Flex Body and Panel Mount connectors



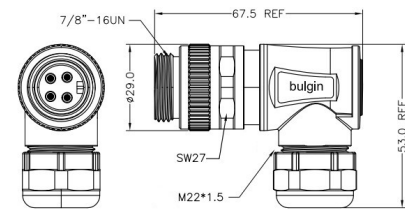
Part Number	Contacts	Code	Termination
PXPTPU78RAF03ASTM22	03	A	Screw
PXPTPU78RAF04ASTM22	04	A	Screw
PXPTPU78RAF05ASTM22	05	A	Screw

7/8" Right-Angled Male Connector



PXPTPU78RAM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Cable entry: 6 - 12mm
- Mates with Flex Body and Panel Mount connectors



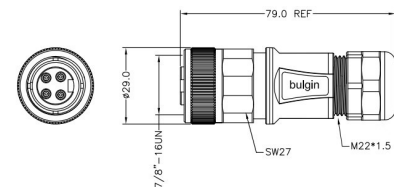
Part Number	Contacts	Code	Termination
PXPTPU78RAM03ASTM22	03	A	Screw
PXPTPU78RAM04ASTM22	04	A	Screw
PXPTPU78RAM05ASTM22	05	A	Screw

7/8" Flex Body Female Connector



PXPTPU78FBF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Cable entry: 6 - 12mm
- Mates with Right Angled and Panel Mount connectors



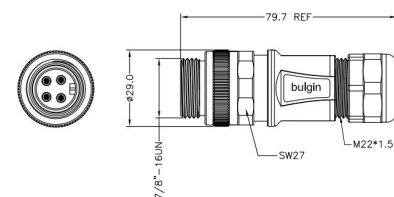
Part Number	Contacts	Code	Termination
PXPTPU78FBF03ASTM22	03	A	Screw
PXPTPU78FBF04ASTM22	04	A	Screw
PXPTPU78FBF05ASTM22	05	A	Screw

7/8" Flex Body Male Connector



PXPTPU78FIM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Cable entry: 6 - 12mm
- Mates with Right Angled and Panel Mount connectors



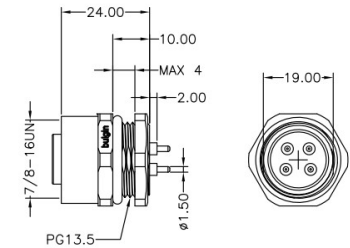
Part Number	Contacts	Code	Termination
PXPTPU78FIM03ASTM22	03	A	Screw
PXPTPU78FIM04ASTM22	04	A	Screw
PXPTPU78FIM05ASTM22	05	A	Screw

7/8" Front Panel Mounting Female Connector



PXMBNI78FPF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Mates with Right Angled and Flex body connectors



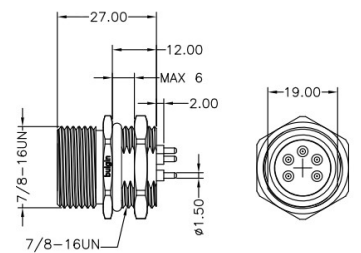
Part Number	Contacts	Code	Termination
PXMBNI78FPF03APCPG135	03	A	PCB
PXMBNI78FPF04APCPG135	04	A	PCB
PXMBNI78FPF05APCPG135	05	A	PCB

7/8" Front Panel Mounting Male Connector



PXMBNI78FPM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Mates with Right Angled and Flex body connectors



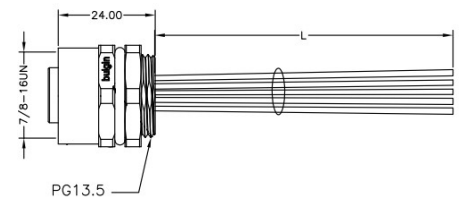
Part Number	Contacts	Code	Termination
PXMBNI78FPM03APC78	03	A	PCB
PXMBNI78FPM04APC78	04	A	PCB
PXMBNI78FPM05APC78	05	A	PCB

7/8" Front Panel Mounting Female Flying Leads



PXMBNI78FPF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Available in 0.1m, 0.2m & 0.5m cable
- Mates with Right Angled and Flex body connectors



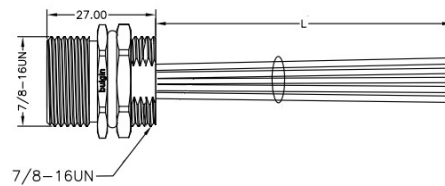
Part Number	Contacts	Code	Termination	Lead Length	Mounting Nut
PXMBNI78FPF03AFLPG135001	03	A	Flying Leads	0.1m	PG13.5
PXMBNI78FPF04AFLPG135001	04	A	Flying Leads	0.1m	PG13.5
PXMBNI78FPF05AFLPG135001	05	A	Flying Leads	0.1m	PG13.5
PXMBNI78FPF03AFLPG135002	03	A	Flying Leads	0.2m	PG13.5
PXMBNI78FPF04AFLPG135002	04	A	Flying Leads	0.2m	PG13.5
PXMBNI78FPF05AFLPG135002	05	A	Flying Leads	0.2m	PG13.5
PXMBNI78FPF03AFLPG135005	03	A	Flying Leads	0.5m	PG13.5
PXMBNI78FPF04AFLPG135005	04	A	Flying Leads	0.5m	PG13.5
PXMBNI78FPF05AFLPG135005	05	A	Flying Leads	0.5m	PG13.5

7/8" Front Panel Mounting Male Flying Leads



PXMBNI78FPM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Available in 0.1m, 0.2m & 0.5m cable
- Mates with Right Angled and Flex body connectors



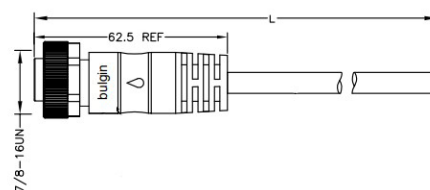
Part Number	Contacts	Code	Termination	Lead Length	Mounting Nut
PXMBNI78FPM03AFL78001	03	A	Flying Leads	0.1m	7/8"
PXMBNI78FPM04AFL78001	04	A	Flying Leads	0.1m	7/8"
PXMBNI78FPM05AFL78001	05	A	Flying Leads	0.1m	7/8"
PXMBNI78FPM03AFL78002	03	A	Flying Leads	0.2m	7/8"
PXMBNI78FPM04AFL78002	04	A	Flying Leads	0.2m	7/8"
PXMBNI78FPM05AFL78002	05	A	Flying Leads	0.2m	7/8"
PXMBNI78FPM03AFL78005	03	A	Flying Leads	0.5m	7/8"
PXMBNI78FPM04AFL78005	04	A	Flying Leads	0.5m	7/8"
PXMBNI78FPM05AFL78005	05	A	Flying Leads	0.5m	7/8"

7/8" Flex Body Female Cable Assembly



PXPTPU78FBF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Available in 1m, 2m & 5m cable
- Mates with Right Angled and Panel Mount connectors



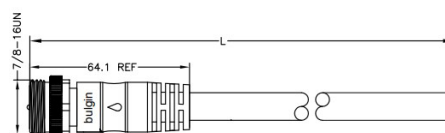
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU78FBF03ACL010PUR	03	A	Overmould Cable	1m	PUR
PXPTPU78FBF04ACL010PUR	04	A	Overmould Cable	1m	PUR
PXPTPU78FBF05ACL010PUR	05	A	Overmould Cable	1m	PUR
PXPTPU78FBF03ACL020PUR	03	A	Overmould Cable	2m	PUR
PXPTPU78FBF04ACL020PUR	04	A	Overmould Cable	2m	PUR
PXPTPU78FBF05ACL020PUR	05	A	Overmould Cable	2m	PUR
PXPTPU78FBF03ACL050PUR	03	A	Overmould Cable	5m	PUR
PXPTPU78FBF04ACL050PUR	04	A	Overmould Cable	5m	PUR
PXPTPU78FBF05ACL050PUR	05	A	Overmould Cable	5m	PUR

7/8" Flex Body Male Cable Assembly



PXPTPU78FIM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Available in 1m, 2m & 5m cable
- Mates with Right Angled and Panel Mount connectors



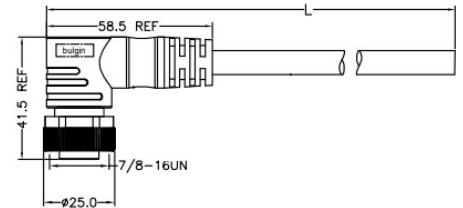
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU78FIM03ACL010PUR	03	A	Overmould Cable	1m	PUR
PXPTPU78FIM04ACL010PUR	04	A	Overmould Cable	1m	PUR
PXPTPU78FIM05ACL010PUR	05	A	Overmould Cable	1m	PUR
PXPTPU78FIM03ACL020PUR	03	A	Overmould Cable	2m	PUR
PXPTPU78FIM04ACL020PUR	04	A	Overmould Cable	2m	PUR
PXPTPU78FIM05ACL020PUR	05	A	Overmould Cable	2m	PUR
PXPTPU78FIM03ACL050PUR	03	A	Overmould Cable	5m	PUR
PXPTPU78FIM04ACL050PUR	04	A	Overmould Cable	5m	PUR
PXPTPU78FIM05ACL050PUR	05	A	Overmould Cable	5m	PUR

7/8" Right-Angled Female Cable Assembly



PXPTPU78RAF

- Available in 3, 4 & 5 Contacts
- Female housing
- Socket contacts
- Available in 1m, 2m & 5m cable
- Mates with Flex Body and Panel Mount connectors



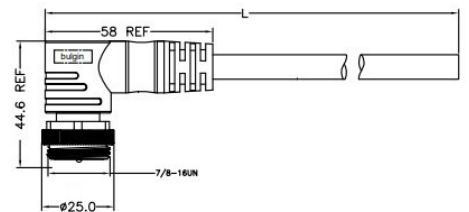
Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU78RAF03ACL010PUR	03	A	Overmould Cable	1m	PUR
PXPTPU78RAF04ACL010PUR	04	A	Overmould Cable	1m	PUR
PXPTPU78RAF05ACL010PUR	05	A	Overmould Cable	1m	PUR
PXPTPU78RAF03ACL020PUR	03	A	Overmould Cable	2m	PUR
PXPTPU78RAF04ACL020PUR	04	A	Overmould Cable	2m	PUR
PXPTPU78RAF05ACL020PUR	05	A	Overmould Cable	2m	PUR
PXPTPU78RAF03ACL050PUR	03	A	Overmould Cable	5m	PUR
PXPTPU78RAF04ACL050PUR	04	A	Overmould Cable	5m	PUR
PXPTPU78RAF05ACL050PUR	05	A	Overmould Cable	5m	PUR

7/8" Right-Angled Male Cable Assembly



PXPTPU78RAM

- Available in 3, 4 & 5 Contacts
- Male housing
- Plug contacts
- Available in 1m, 2m & 5m cable
- Mates with Flex Body and Panel Mount connectors



Part Number	Contacts	Code	Termination	Lead Length	Cable Material
PXPTPU78RAM03ACL010PUR	03	A	Overmould Cable	1m	PUR
PXPTPU78RAM04ACL010PUR	04	A	Overmould Cable	1m	PUR
PXPTPU78RAM05ACL010PUR	05	A	Overmould Cable	1m	PUR
PXPTPU78RAM03ACL020PUR	03	A	Overmould Cable	2m	PUR
PXPTPU78RAM04ACL020PUR	04	A	Overmould Cable	2m	PUR
PXPTPU78RAM05ACL020PUR	05	A	Overmould Cable	2m	PUR
PXPTPU78RAM03ACL050PUR	03	A	Overmould Cable	5m	PUR
PXPTPU78RAM04ACL050PUR	04	A	Overmould Cable	5m	PUR
PXPTPU78RAM05ACL050PUR	05	A	Overmould Cable	5m	PUR

Buccaneer 7/8" Series Circular Automation Connectors

Specifications



Electrical

No. Contacts:	3	4	5
Current Rating:	12A	8A* or 9A	9A
		* 8A only for Flying Leads & Overmould Cable Assembly	
Insulation Resistance:	>100MΩ		
Contact Resistance:	<10mΩ or <5mΩ (Front Panel Mounting Only)		
Voltage Rating (ac/dc) :	300V		
Operating Temp Range:	-25°C to +85°C		

Mechanical:

Cycles:	>100
Locking Mechanism:	Screw Coupling
Torque:	0.8Nm (7/8" Plug-In Connector) & 0.4Nm (Screw Terminal)
Cross-Section Area:	Max 1.5mm ²
Panel Mount Nut Torque:	2 - 2.5Nm
Termination:	Screw Terminals, PCB
Cable Entry:	6 - 12mm
Wire Gauge:	16 - 20AWG
IP Rating:	IP67

Body Material:	TPU, Black
Coupling Nut/Screw:	Brass, Nickel Plated
Contacts:	Phosphor Bronze Gold-Plated 1u"(Female), Brass gold plated 1u"(Male)
Insulation Plastic:	PA66+GF UL V-0, Or TPU Yellow (Front Panel Mounting Only)
RoHS:	Compliant

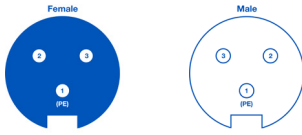
PCB Layout & Panel Cut-out

Part Number	PCB Layout Diagram	Panel Cut-out
PXMBNI78FPF03APCPG135		
PXMBNI78FPF04APCPG135		
PXMBNI78FPF05APCPG135		

Part Number	PCB Layout Diagram	Panel Cut-out
PXMBNI78FPM03APC78		
PXMBNI78FPM04APC78		
PXMBNI78FPM05APC78		

Contact Diagrams (Front View 'A' Code):

PXxxx78xxx03xxxxxx



3PIN WIRE LIST

P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	OPEN
2	—	RED	
3	—	BLACK	

3PIN WIRE LIST (Flying Leads Only)

P1	PAIR	WIRE COLOUR	P2
PE	—	BROWN	OPEN
2	—	WHITE	
3	—	BLUE	

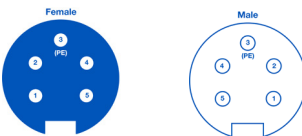
PXxxx78xxx04xxxxxx



4PIN WIRE LIST

P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	OPEN
2	—	WHITE	
3	—	BLUE	
4	—	BLACK	

PXxxx78xxx05xxxxxx



5PIN WIRE LIST

P1	PAIR	WIRE COLOUR	P2
1	—	BROWN	OPEN
2	—	WHITE	
3	—	BLUE	
4	—	BLACK	
5	—	GREY	

Part Numbering:

XXX	XXX	XX	XX	X	XX	X	XX
Series	Material	Series Size	Body Style	Orientation	Contacts	Code	Termination
PXM	BNI = Brass Nickel	78 = 7/8"	FB = Flex Body	M = Male	03	A	ST = Screw Terminal
PXP	TPU = overmold for PUR		FI = Inline Body	F = Female	04		FL = Flying Lead
			FP = Front Panel Mounting		05		PC = PCB
			RA = Right Angle				CL = Cable

XXX or XXXXX	XXX	XXX
Mounting Nut (Right Angled and Flex Body Only)	Lead Length	Cable Material
M22	001 = 0.1m	PUR
OR	002 = 0.2m	
Panel Mounting Nut (Flying Leads Only)	005 = 0.5m	
PG135 = PG13.5	010 = 1m	
78 = 7/8"	020 = 2m	
	050 = 5m	

Our Push-Pull Connectors are suitable for high-reliability and high-quality applications in medical, instrumentation, military, and communications, where a fast method to connect / disconnect is required. They are manufactured to prevent accidental disconnects with a simple but fast strong-locking mechanism.

Because of the locking mechanism, Push-Pull connectors also provide a clean, streamlined look on devices. They also offer space-saving benefits, as they only require two fingers to grip the shell to connect or disconnect, without twisting.



Key Features:

- Multiple contacts from 2 to 30
- Integrated latch for mating
- High packing density for space savings
- Shock Resistance: 100g, 6ms
- Resistance of Vibration: 10-2000Hz, 15g
- Keying system («G» key standard) of similar connectors for connector alignment – 360° screening for full EMC shielding.
- Security of the Push-Pull self-latching system
- Shielding Efficiency: >75db(10MHz) >40db(1GHz)
- Solder contacts
- Temp: -50°C to +200°C
- Cycle: >4500
- Multiple key options to avoid cross mating
- Humidity: up to 95% at 60 C
- Salt Spray Corrosion Test: >144h

Our X Series Push-Pull connectors are very secure, Push-Pull latching system with high-density panel spacing, 360-degree EMI shielding and quick mating and unmating.

It is designed for indoor or vacuum-tight applications, making it an ideal choice for General-purpose high-quality interconnects, Medical, Test & Measurement, Research, Communications, Audio-Video, Military, Aerospace, Industrial Control, Information Systems, Nuclear, Surveillance. Our Push-Pull connector X series includes the family size range of 00 to 3X which is a highly reliable range of quick mating connectors.



Key Features:

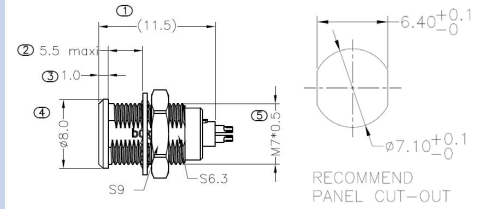
- Multiple contacts from 2 to 30
- Secure Push-Pull self-latching system
- Multiple key options to avoid mismatching
- Solder contacts
- High packing density for space savings on fixed sockets (panel mount connectors) and straight plug connectors
- >4500 cycles
- IP50 rated
- 360-degree screening for full EMI shielding
- ROHS compliant

00 Series Fixed Socket



PPCEGG00

- Available in 2, 3 & 4 contacts
- Nut installation 1Nm
- Max Panel Thickness 5.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



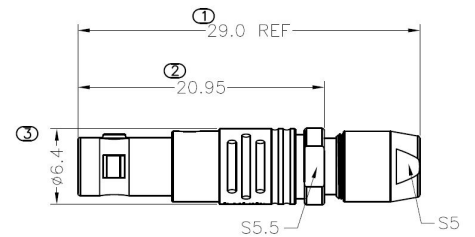
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG0002CLL	02	0.5mm	1000V	950V	5A	30 max
PPCEGG0003CLL	03	0.5mm	800V	950V	3A	30 max
PPCEGG0004CLL	04	0.5mm	800V	650V	2A	30 max

00 Series Straight Plug



PPCFG00

- Available in 2, 3 & 4 contacts
- For cable size 2.7mm to 3.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket version



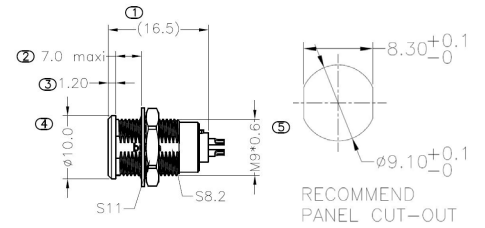
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFG0002CLAD	02	0.5mm	1000V	950V	5A	2.7-3.5	30 max
PPCFG0003CLAD	03	0.5mm	800V	950V	3A	2.7-3.5	30 max
PPCFG0004CLAD	04	0.5mm	800V	650V	2A	2.7-3.5	30 max

0X series Fixed Socket



PPCEGG0B

- Available in 2, 3, 4, 5, 6, 7 & 9 contacts
- Nut installation 2.5Nm
- Max Panel Thickness 7.0 mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



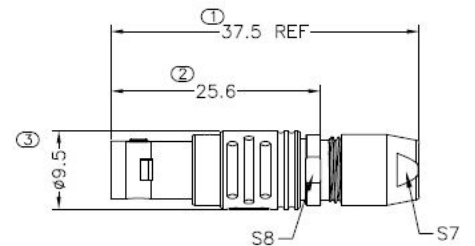
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG0B02CLL	02	0.9mm	1300V	1050V	10A	22 max
PPCEGG0B03CLL	03	0.9mm	1200V	900V	8A	22 max
PPCEGG0B04CLL	04	0.7mm	850V	700V	7A	22 max
PPCEGG0B05CLL	05	0.7mm	1000V	700V	6.5A	22 max
PPCEGG0B06CLL	06	0.5mm	850V	650V	2.5A	28 max
PPCEGG0B07CLL	07	0.5mm	800V	700V	5.5A	28 max
PPCEGG0B09CLL	09	0.5mm	600V	500V	2A	28 max

0X series Straight Plug



PPCFGG0B

- Available in 2, 3, 4, 5, 6, 7 & 9 contacts
- For cable size 2.7mm to 3.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket



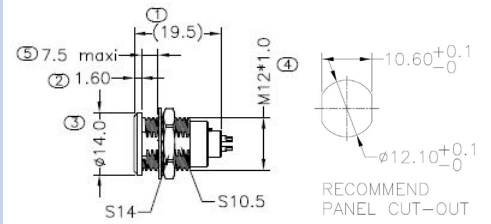
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFGG0B02CLAD	02	0.9mm	1300V	1050V	10A	4.3-5.0	22 max
PPCFGG0B03CLAD	03	0.9mm	1200V	900V	8A	4.3-5.0	22 max
PPCFGG0B04CLAD	04	0.7mm	850V	700V	7A	4.3-5.0	22 max
PPCFGG0B05CLAD	05	0.7mm	1000V	700V	6.5A	4.3-5.0	22 max
PPCFGG0B06CLAD	06	0.5mm	850V	650V	2.5A	4.3-5.0	28 max
PPCFGG0B07CLAD	07	0.5mm	800V	700V	2.5A	4.3-5.0	28 max
PPCFGG0B09CLAD	09	0.5mm	600V	500V	2A	5.2-5.6	28 max

1X series Fixed Socket



PPCEGG1B

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14 & 16 contacts
- Nut installation 4.5Nm
- Max Panel Thickness 7.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



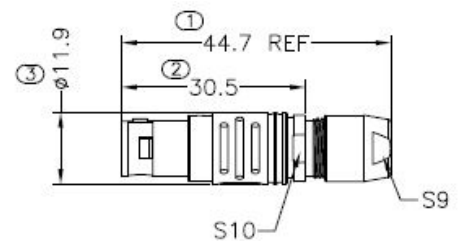
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG1B02CLL	02	1.3mm	1500V	1350V	15A	20 max
PPCEGG1B03CLL	03	1.3mm	1300V	1550V	12A	20 max
PPCEGG1B04CLL	04	0.9mm	1350V	1450V	10A	22 max
PPCEGG1B05CLL	05	0.9mm	1250V	1150V	9A	22 max
PPCEGG1B06CLL	06	0.7mm	1050V	1200V	7A	22 max
PPCEGG1B07CLL	07	0.7mm	9500V	1050V	7A	22 max
PPCEGG1B08CLL	08	0.7mm	9500V	1150V	5A	22 max
PPCEGG1B10CLL	10	0.5mm	900V	1500V	2.5A	28 max
PPCEGG1B12CLL	12	0.5mm	800V	1200V	2A	28 max
PPCEGG1B14CLL	14	0.5mm	800V	1200V	2A	28 max
PPCEGG1B16CLL	16	0.5mm	800V	950V	1.5A	28 max

1X series Straight Plug



PPCFG1B

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14 & 16 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket



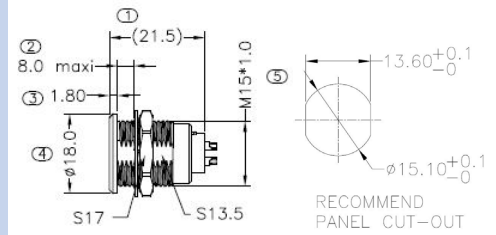
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFG1B02CLAD	02	1.3mm	1500V	1300V	15A	4.3-5.0	20 max
PPCFG1B03CLAD	03	1.3mm	1300V	1550V	12A	4.3-5.0	20 max
PPCFG1B04CLAD	04	0.9mm	1300V	1450V	10A	4.3-5.0	22 max
PPCFG1B05CLAD	05	0.9mm	1250V	1150V	9A	4.3-5.0	22 max
PPCFG1B06CLAD	06	0.7mm	1050V	1200V	7A	4.3-5.0	22 max
PPCFG1B07CLAD	07	0.7mm	950V	1050V	7A	5.3-6.0	22 max
PPCFG1B08CLAD	08	0.7mm	950V	1150V	5A	5.3-6.0	22 max
PPCFG1B10CLAD	10	0.5mm	900V	1500V	2.5A	5.3-6.0	28 max
PPCFG1B12CLAD	12	0.5mm	800V	1200V	2A	5.3-6.0	28 max
PPCFG1B14CLAD	14	0.5mm	800V	1200V	2A	6.3-7.0	28 max
PPCFG1B16CLAD	16	0.5mm	800V	950V	1.5A	6.3-7.0	28 max

2X series Fixed Socket



PPCEGG2B

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19 & 26 contacts
- Nut installation 6Nm
- Max Panel Thickness 8.0mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



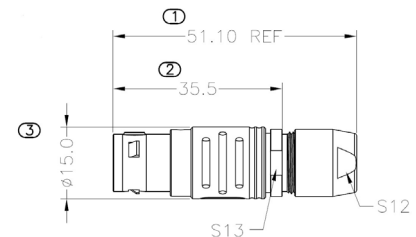
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG2B02CLL	02	2mm	2100V	1750V	30A	16 max
PPCEGG2B03CLL	03	1.6mm	2400V	1850V	17A	16 max
PPCEGG2B04CLL	04	1.3mm	1850V	1850V	15A	20 max
PPCEGG2B05CLL	05	1.3mm	1750V	1600V	14A	20 max
PPCEGG2B06CLL	06	1.3mm	1350V	1450V	12A	20 max
PPCEGG2B07CLL	07	1.3mm	1750V	1600V	11A	20 max
PPCEGG2B08CLL	08	0.9mm	1500V	1250V	10A	22 max
PPCEGG2B10CLL	10	0.9mm	1450V	1300V	8A	22 max
PPCEGG2B12CLL	12	0.7mm	1250V	1350V	7A	22 max
PPCEGG2B14CLL	14	0.7mm	1150V	1350V	6.5A	22 max
PPCEGG2B16CLL	16	0.7mm	950V	1250V	6A	22 max
PPCEGG2B18CLL	18	0.7mm	850V	1200V	5.5A	22 max
PPCEGG2B19CLL	19	0.7mm	950V	4250V	5A	22 max
PPCEGG2B26CLL	26	0.5mm	950V	1300V	2A	28 max

2X series Straight Plug



PPCFG2B

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19 & 26 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket



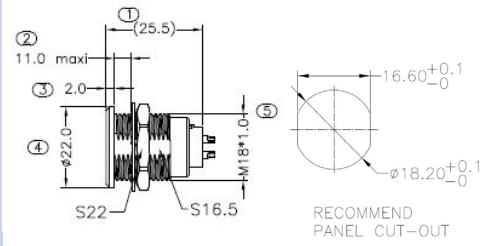
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFG2B02CLAD	02	2mm	2100V	1750V	30A	4.3-5.0	16 max
PPCFG2B03CLAD	03	1.6mm	2400V	1850V	17A	4.3-5.0	16 max
PPCFG2B04CLAD	04	1.3mm	1850V	1850V	15A	4.3-5.0	20 max
PPCFG2B05CLAD	05	1.3mm	1750V	1600V	14A	4.3-5.0	20 max
PPCFG2B06CLAD	06	1.3mm	1350V	1450V	12A	4.3-5.0	20 max
PPCFG2B07CLAD	07	1.3mm	1750V	1600V	11A	4.3-5.0	20 max
PPCFG2B08CLAD	08	0.9mm	1500V	1250V	10A	5.3-6.0	22 max
PPCFG2B10CLAD	10	0.9mm	1450V	1300V	8A	5.3-6.0	22 max
PPCFG2B12CLAD	12	0.7mm	1250V	1350V	7A	5.3-6.0	22 max
PPCFG2B14CLAD	14	0.7mm	1150V	1350V	6.5A	6.3-7.0	22 max
PPCFG2B16CLAD	16	0.7mm	950V	1250V	6A	6.3-7.0	22 max
PPCFG2B18CLAD	18	0.7mm	950V	1200V	5.5A	7.3-8.0	22 max
PPCFG2B19CLAD	19	0.7mm	950V	1250V	5A	7.3-8.0	22 max
PPCFG2B26CLAD	26	0.5mm	950V	1300V	2A	8.3-9.0	28 max

3X series Fixed Socket



PPCEGG3B

- Available in 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26 & 30 contacts
- Nut installation 9Nm
- Max Panel Thickness 11.0mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



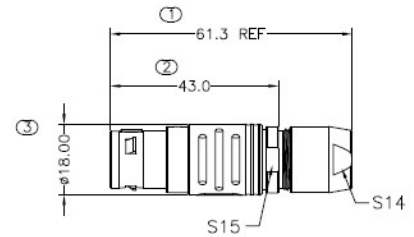
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG3B02CCLL	02	3mm	2100V	1550V	35A	12 max
PPCEGG3B03CCLL	03	2mm	1900V	1500V	25A	14 max
PPCEGG3B04CCLL	04	2mm	1450V	1250V	19A	14 max
PPCEGG3B05CCLL	05	1.6mm	1900V	1250V	19A	16 max
PPCEGG3B06CCLL	06	1.6mm	1600V	1150V	17A	16 max
PPCEGG3B07CCLL	07	1.6mm	1700V	1250V	15A	16 max
PPCEGG3B08CCLL	08	1.3mm	1650V	1150V	13A	20 max
PPCEGG3B09CCLL	09	1.3mm, 2.0mm	1350V, 1350V	1050V, 1050V	6A, 15A	20 max, 14 max
PPCEGG3B10CCLL	10	1.3mm	1250V	900V	12A	22 max
PPCEGG3B12CCLL	12	0.9mm	1450V	1000V	9A	22 max
PPCEGG3B14CCLL	14	0.9mm	1200V	1200V	9A	22 max
PPCEGG3B16CCLL	16	0.9mm	1200V	850V	8A	22 max
PPCEGG3B18CCLL	18	0.9mm	1200V	1050V	7A	22 max
PPCEGG3B20CCLL	20	0.7mm	1000V	900V	6A	22 max
PPCEGG3B22CCLL	22	0.7mm	1000V	900V	5.5A	22 max
PPCEGG3B24CCLL	24	0.7mm	950V	800V	4A	22 max
PPCEGG3B26CCLL	26	0.7mm	950V	700V	4A	22 max
PPCEGG3B30CCLL	30	0.7mm	800V	700V	3.5A	22 max

3X series Straight Plug



PPCFGG3B

- Available in 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, 20, 22, 24, 26 & 30 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket



Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFGG3B02CLAD	02	3mm	2100V	1550V	35A	6.3-7.0	12 max
PPCFGG3B03CLAD	03	2mm	1900V	1500V	25A	6.3-7.0	14 max
PPCFGG3B04CLAD	04	2mm	1450V	1250V	19A	6.3-7.0	14 max
PPCFGG3B05CLAD	05	1.6mm	1900V	1250V	19A	6.3-7.0	16 max
PPCFGG3B06CLAD	06	1.6mm	1600V	1150V	17A	6.3-7.0	16 max
PPCFGG3B07CLAD	07	1.6mm	1700V	1250V	15A	6.3-7.0	16 max
PPCFGG3B08CLAD	08	1.3mm	1650V	1150V	13A	6.3-7.0	20 max
PPCFGG3B09CLAD	09	1.3mm, 2mm	1350V, 1350V	1050V, 1050V	6A, 15A	6.3-7.0	20 max, 14 max
PPCFGG3B10CLAD	10	1.3mm	1250V	900V	12A	6.3-7.0	20 max
PPCFGG3B12CLAD	12	0.9mm	1450V	1000V	9A	6.3-7.0	22 max
PPCFGG3B14CLAD	14	0.9mm	1200V	1200V	9A	7.3-8.0	22 max
PPCFGG3B16CLAD	16	0.9mm	1200V	850V	8A	7.3-8.0	22 max
PPCFGG3B18CLAD	18	0.9mm	1200V	1050V	7A	7.3-8.0	22 max
PPCFGG3B20CLAD	20	0.7mm	1000V	900V	6A	10.3-11.0	22 max
PPCFGG3B22CLAD	22	0.7mm	1000V	900V	5.5A	10.3-11.0	22 max
PPCFGG3B24CLAD	24	0.7mm	950V	800V	4A	10.3-11.0	22 max
PPCFGG3B26CLAD	26	0.7mm	950V	700V	4A	10.3-11.0	22 max
PPCFGG3B30CLAD	30	0.7mm	800V	700V	3.5A	10.3-11.0	22 max

Electrical:

Shielding efficiency at 10 MHz:	> 95 dB
Shielding efficiency at 1 GHz:	> 40 dB

Mechanical:

Mating Life:	>4500 cycle
Salt Spray:	>144 hours
Operating Temperature:	-50°C to +250°C (-67°F to 482°F)
Protection Index (mated):	IP50
Humidity:	Up to 95% at 60°C
Vibration:	10-2000 Hz, 15g
Shock:	100g, 6ms
Contact Type:	Solder

Material:

Housing Material:	Brass chrome plated shell and nickel plated brass fixed ring (Fixed Socket Plug) brass chrome plated shell and collet nut, plated brass latch sleeve and mid pieces (Straight Plug)
Contact Plating:	Phosphor bronze gold plated 3u" (Fixed Socket Plug), Brass gold plated 3u" (Straight Plug)
Insulator:	PPS
RoHS:	Compliant

Note:

For the fields of the table have two values, the first value is for all the contacts apart from the contact in the centre. The second value is only applicable for the contact in the centre.

Y series Push-Pull connectors offer a solution for outdoor applications. The Push-Pull latching mechanism provides a secure connection whilst the density of the contacts provides considerable panel space savings.

All models of this series are waterproof and watertight when mated to give a protection index of IP66 (in mated condition). The ruggedized design combined with precision manufacturing offers excellent durability, reliability and quality.



Key Features:

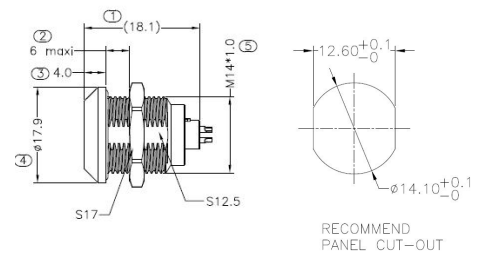
- Multiple contacts from 2 to 30
- IP66 rated
- 360-degree screening for full EMC shielding
- Keying system (G key standard) for connector alignment
- Multiple key features to avoid cross mating of similar connectors
- Rugged housing for extreme working conditions; watertight connection
- Solder contacts (Straight Plug and Fixed Socket)
- High packing density for space savings
- Security of the Push-Pull latching system
- >4500 cycles

OY Series Fixed Socket



PPCEGG0K

- Available in 2, 3, 4, 5, 6, 7 & 9 contacts
- Nut Installation torque 5.0Nm
- Max Panel Thickness 6.0mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



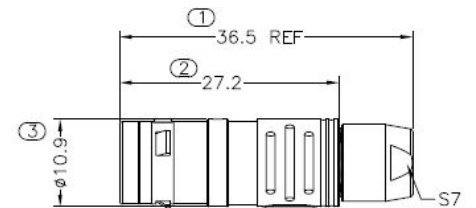
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG0K02CLL	02	0.9mm	1300V	1050V	10A	22 max
PPCEGG0K03CLL	03	0.9mm	1200V	900V	8A	22 max
PPCEGG0K04CLL	04	0.7mm	850V	700V	7A	22 max
PPCEGG0K05CLL	05	0.7mm	1000V	700V	6.5A	22 max
PPCEGG0K06CLL	06	0.5mm	850V	650V	2.5A	28 max
PPCEGG0K07CLL	07	0.5mm	800V	700V	2.5A	28 max
PPCEGG0K09CLL	09	0.5mm	600V	600V	2A	28 max

OY Series Straight Plug



PPCFGG0K

- Available in 2, 3, 4, 5, 6, 7 & 9 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket version



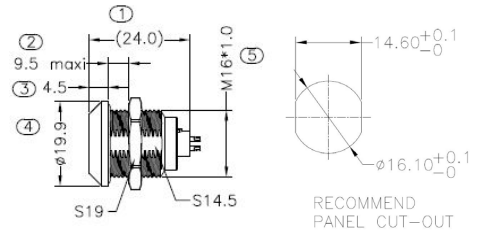
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFGG0K02CLAD	02	0.9mm	1300V	1050V	10A	4.6-5.0	22 max
PPCFGG0K03CLAD	03	0.9mm	1200V	900V	8A	4.6-5.0	22 max
PPCFGG0K04CLAD	04	0.7mm	850V	700V	7A	4.6-5.0	22 max
PPCFGG0K05CLAD	05	0.7mm	1000V	700V	6.5A	4.6-5.0	22 max
PPCFGG0K06CLAD	06	0.5mm	850V	650V	2.5A	4.6-5.0	28 max
PPCFGG0K07CLAD	07	0.5mm	800V	700V	2.5A	4.6-5.0	28 max
PPCFGG0K09CLAD	09	0.5mm	600V	500V	2A	4.6-5.0	28 max

1Y Series Fixed Socket



PPCEGG1K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14 & 16 contacts
- Nut Installation torque 7.0Nm
- Max Panel Thickness 9.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



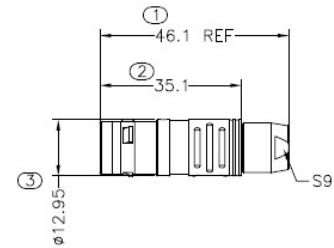
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG1K02CLL	02	1.3mm	1500V	1350V	15A	20 max
PPCEGG1K03CLL	03	1.3mm	1300V	1550V	12A	20 max
PPCEGG1K04CLL	04	0.9mm	1350V	1450V	10A	22 max
PPCEGG1K05CLL	05	0.9mm	1250V	1150V	9A	22 max
PPCEGG1K06CLL	06	0.7mm	1050V	1200V	7A	22 max
PPCEGG1K07CLL	07	0.7mm	950V	1050V	7A	22 max
PPCEGG1K08CLL	08	0.7mm	950V	1150V	5A	22 max
PPCEGG1K10CLL	10	0.5mm	900V	1500V	2.5A	28 max
PPCEGG1K12CLL	12	0.5mm	800V	1200V	2A	28 max
PPCEGG1K14CLL	14	0.5mm	800V	1200V	2A	28 max
PPCEGG1K16CLL	16	0.5mm	800V	950V	1.5A	28 max

1Y Series Straight Plug



PPCFGG1K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14 & 16 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket version



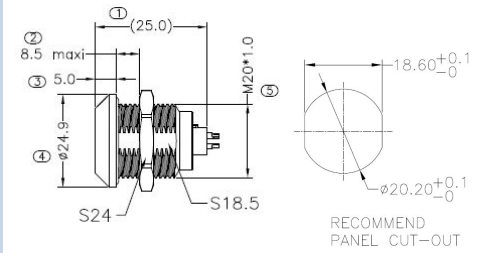
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFGG1K02CLAD	02	0.9mm	1300V	1050V	10A	4.6-5.0	20 max
PPCFGG1K03CLAD	03	0.9mm	1200V	900V	8A	4.6-5.0	20 max
PPCFGG1K04CLAD	04	0.7mm	850V	700V	7A	4.6-5.0	22 max
PPCFGG1K05CLAD	05	0.7mm	1000V	700V	6.5A	4.6-5.0	22 max
PPCFGG1K06CLAD	06	0.5mm	850V	650V	2.5A	4.6-5.0	22 max
PPCFGG1K07CLAD	07	0.5mm	800V	700V	2.5A	5.6-6.0	22 max
PPCFGG1K08CLAD	09	0.5mm	600V	500V	2A	5.6-6.0	22 max
PPCEGG1K10CLL	10	0.5mm	900V	1500V	2.5A	5.6-6.0	28 max
PPCEGG1K12CLL	12	0.5mm	800V	1200V	2A	5.6-6.0	28 max
PPCEGG1K14CLL	14	0.5mm	800V	1200V	2A	6.6-7.0	28 max
PPCEGG1K16CLL	16	0.5mm	800V	950V	1.5A	6.6-7.0	28 max

2Y Series Fixed Socket



PPCEGG2K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19 & 26 contacts
- Nut Installation torque 9.0Nm
- Max Panel Thickness 8.5mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



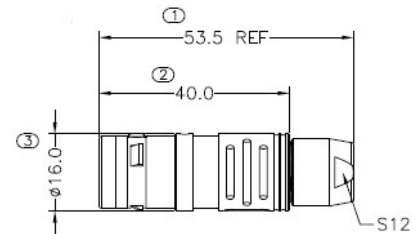
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG2K02CLL	02	2mm	2100V	1750V	30A	16 max
PPCEGG2K03CLL	03	1.6mm	2400V	1850V	17A	16 max
PPCEGG2K04CLL	04	1.3mm	1850V	1850V	15A	20 max
PPCEGG2K05CLL	05	1.3mm	1750V	1600V	14A	20 max
PPCEGG2K06CLL	06	1.3mm	1350V	1450V	12A	20 max
PPCEGG2K07CLL	07	1.3mm	1750V	1600V	11A	20 max
PPCEGG2K08CLL	08	0.9mm	1500V	1250V	10A	22 max
PPCEGG2K10CLL	10	0.9mm	1450V	1300V	8A	22 max
PPCEGG2K12CLL	12	0.7mm	1250V	1350V	7A	22 max
PPCEGG2K14CLL	14	0.7mm	1150V	1350V	6.5A	22 max
PPCEGG2K16CLL	16	0.7mm	950V	1250V	6A	22 max
PPCEGG2K18CLL	18	0.7mm	850V	1200V	5.5A	22 max
PPCEGG2K19CLL	19	0.7mm	950V	1250V	5A	22 max
PPCEGG2K26CLL	26	0.5mm	950V	1250V	2A	28 max

2Y Series Straight Plug



PPCFG2K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19 & 26 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket version



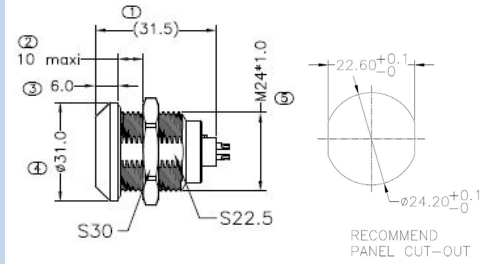
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFG2K02CLAD	02	2mm	2100V	1750V	30A	4.6-5.0	16 max
PPCFG2K03CLAD	03	1.6mm	2400V	1850V	17A	4.6-5.0	16 max
PPCFG2K04CLAD	04	1.3mm	1850V	1850V	15A	4.6-5.0	20 max
PPCFG2K05CLAD	05	1.3mm	1750V	1600V	14A	4.6-5.0	20 max
PPCFG2K06CLAD	06	1.3mm	1350V	1450V	12A	4.6-5.0	20 max
PPCFG2K07CLAD	07	1.3mm	1750V	1600V	11A	4.6-5.0	20 max
PPCFG2K08CLAD	08	0.9mm	1500V	1250V	10A	5.6-6.0	22 max
PPCFG2K10CLAD	10	0.7mm	1450V	1300V	8A	5.6-6.0	22 max
PPCFG2K12CLAD	12	0.7mm	1250V	1350V	7A	5.6-6.0	22 max
PPCFG2K14CLAD	14	0.7mm	1150V	1350V	6.5A	6.6-7.0	22 max
PPCFG2K16CLAD	16	0.7mm	950V	1250V	6A	6.6-7.0	22 max
PPCFG2K18CLAD	18	0.7mm	950V	1200V	5.5A	7.6-8.0	22 max
PPCFG2K19CLAD	19	0.7mm	950V	1250V	5A	7.6-8.0	22 max
PPCFG2K26CLAD	26	0.5mm	950V	1300V	2A	8.6-9.0	28 max

3Y Series Fixed Socket



PPCEGG3K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19, 20, 22, 24, 26 & 30 contacts
- Nut Installation torque 12Nm
- Max Panel Thickness 10.0mm
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Straight Plug version



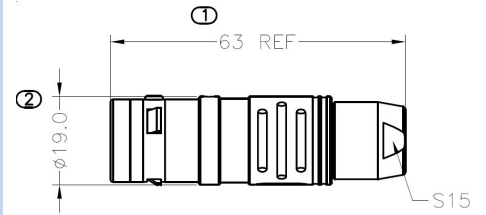
Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Wire Range Sizes (AWG)
PPCEGG3K02CLL	02	3mm	2100V	1550V	35A	12 max
PPCEGG3K03CLL	03	2mm	1900V	1500V	25A	14 max
PPCEGG3K04CLL	04	2mm	1450V	1250V	19A	14 max
PPCEGG3K05CLL	05	1.6mm	1900V	1250V	19A	16 max
PPCEGG3K06CLL	06	1.6mm	1600V	1150V	17A	16 max
PPCEGG3K07CLL	07	1.6mm	1700V	1250V	15A	16 max
PPCEGG3K08CLL	08	1.3mm	1650V	1150V	13A	20 max
PPCEGG3K09CLL	09	1.3mm, 2.0mm	1350V	1050V	6.0A, 15.0A	20 max, 14 max
PPCEGG3K10CLL	10	1.3mm	1250V	900V	12A	20 max
PPCEGG3K12CLL	12	0.9mm	1450V	1000V	9A	22 max
PPCEGG3K14CLL	14	0.9mm	1200V	1200V	9A	22 max
PPCEGG3K16CLL	16	0.9mm	1200V	850V	8A	22 max
PPCEGG3K18CLL	18	0.9mm	1200V	1050V	7A	22 max
PPCEGG3K20CLL	20	0.7mm	1000V	900V	6A	22 max
PPCEGG3K22CLL	22	0.7mm	1000V	900V	5.5A	22 max
PPCEGG3K24CLL	24	0.7mm	950V	800V	4A	22 max
PPCEGG3K26CLL	26	0.7mm	950V	700V	4A	22 max
PPCEGG3K30CLL	30	0.7mm	800V	700V	3.5A	22 max

3Y Series Straight Plug



PPCFGG3K

- Available in 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19, 20, 22, 24, 26 & 30 contacts
- Temp: -50 C to +200 C
- Solder Terminals
- Durability >4500 cycles
- Operating humidity up to 95%
- Salt Spray Corrosion Test >144h
- Available in Fixed Socket version



Part Number	Contact Number	Terminal Diameter	Test Voltage Pin-Pin	Test Voltage Pin-Shell	Rated Current	Cable OD (mm)	Wire Range Sizes (AWG)
PPCFGG3K02CLAD	02	3mm	2100V	1550V	35A	6.6-7.0	12 max
PPCFGG3K03CLAD	03	2mm	1900V	1500V	25A	6.6-7.0	12 max
PPCFGG3K04CLAD	04	2mm	1450V	1250V	19A	6.6-7.0	14 max
PPCFGG3K05CLAD	05	1.6mm	1900V	1250V	19A	6.6-7.0	14 max
PPCFGG3K06CLAD	06	1.6mm	1600V	1150V	17A	6.6-7.0	16 max
PPCFGG3K07CLAD	07	1.6mm	1700V	1250V	15A	6.6-7.0	16 max
PPCFGG3K08CLAD	08	1.3mm	1650V	1150V	13A	6.6-7.0	20 max
PPCFGG3K09CLAD	09	1.3mm, 2.0mm	1350V, 1350V	1050V, 1050V	6A, 15A	6.6-7.0	20 max, 14 max
PPCFGG3K10CLAD	10	1.3mm	1250V	900V	12A	6.6-7.0	20 max
PPCFGG3K12CLAD	12	0.9mm	1450V	1000V	9A	6.6-7.0	22 max
PPCFGG3K14CLAD	14	0.9mm	1200V	1200V	9A	7.6-8.0	22 max
PPCFGG3K16CLAD	16	0.9mm	1200V	850V	8A	7.6-8.0	22 max
PPCFGG3K18CLAD	18	0.9mm	1200V	1050V	7A	7.6-8.0	22 max
PPCFGG3K20CLAD	20	0.7mm	1000V	900V	6A	10.6-11.0	22 max
PPCFGG3K22CLAD	22	0.7mm	1000V	900V	5.5A	10.6-11.0	22 max
PPCFGG3K24CLAD	24	0.7mm	950V	800V	4A	10.6-11.0	22 max
PPCFGG3K26CLAD	26	0.7mm	950V	700V	4A	10.6-11.0	22 max
PPCFGG3K30CLAD	30	0.7mm	950V	700V	3.5A	10.6-11.0	22 max

Electrical:

Shielding efficiency at 10 MHz:	> 95 dB
Shielding efficiency at 1 GHz:	> 80 dB

Mechanical:

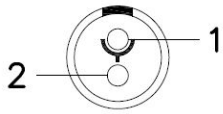
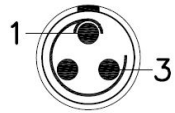
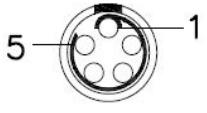
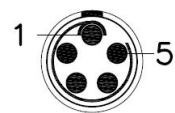
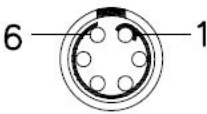
Endurance:	> 4500 cycles
Humidity:	up to 95% at 60° C
Temperature range:	-50° C, +200° C
Resistance to vibrations:	10-2000 Hz, 15 g
Shock resistance:	100 g, 6 ms
Salt spray corrosion test:	> 144h
Protection index (mated):	IP 66
Contact type:	Solder

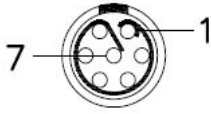
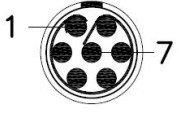
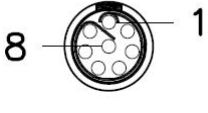
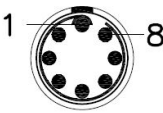
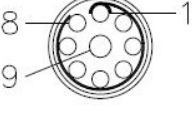
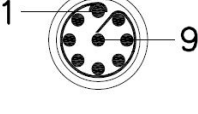
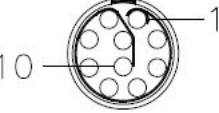
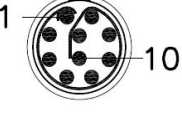
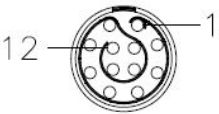
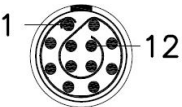
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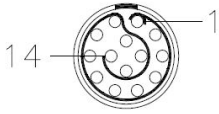
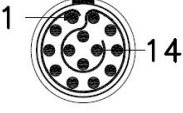
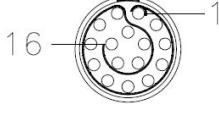
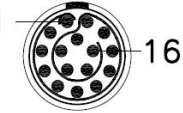
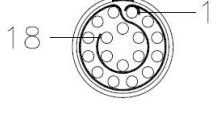
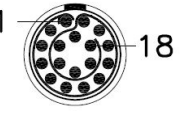
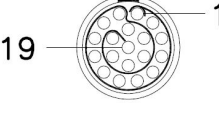
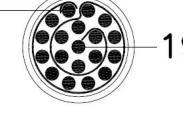
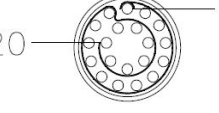
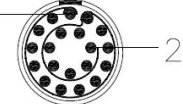
Housing Material:	Brass chrome plated shell and nickel plated brass fixed ring (Fixed Socket Plug) brass chrome plated shell and collet nut, plated brass latch sleeve and mid pieces (Straight Plug)
Contact Plating:	Phosphor bronze gold plated 3u" (Fixed Socket Plug), Brass gold plated 3u" (Straight Plug)
Insulator:	PPS
RoHS:	Compliant

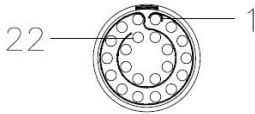
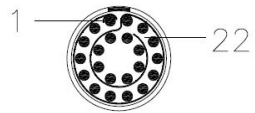

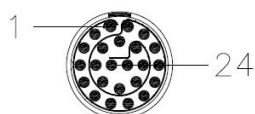
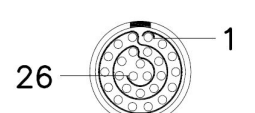
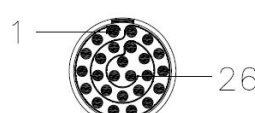

Note:

For the fields of the table have two values, the first value is for all the contacts apart from the contact in the centre. The second value is only applicable for the contact in the centre.

Contact Number:	Fixed Socket / Straight Plug:	Pin Number (Solder):
02	F	
02	S	
03	F	
03	S	
04	F	
04	S	
05	F	
05	S	
06	F	
06	S	

Contact Number:	Fixed Socket / Straight Plug:	Pin Number (Solder):
07	F	
07	S	
08	F	
08	S	
09	F	
09	S	
10	F	
10	S	
12	F	
12	S	

Contact Number:	Fixed Socket / Straight Plug:	Pin Number (Solder):
14	F	
14	S	
16	F	
16	S	
18	F	
18	S	
19	F	
19	S	
20	F	
20	S	

Contact Number:	Fixed Socket / Straight Plug:	Pin Number (Solder):
22	F	
22	S	
24	F	
24	S	
26	F	
26	S	
30	F	
30	S	