

## M5 Series Buccaneer


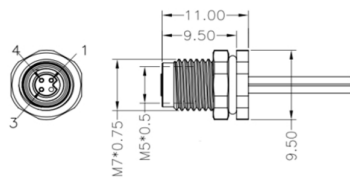
The most compact connector type in the M-Series range, our waterproof M5 sensor connectors come in straight and angled forms with PVC or PUR overmolded cable connector options and a variety of panel mount receptacles. With a screw coupling mechanism and IP67 rating, this M5 circular connector product line is particularly suited to automotive, process control, commercial electronics & instrumentation applications that require reliable and robust miniature sensors.




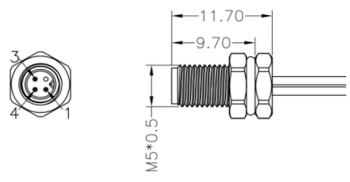
- Secure & Reliable Screw Locking Mechanism
- Robust PVC & PUR Overmolded Cables
- Cable Length from 1m - 15m
- High Degree of Environmental Protection - IP67 Rated
- Straight & Right Angled Cable Connectors
- Rear & Front Panel Mount Receptacles
- Available with 3 or 4 Poles
- Intermatable with other EN61076-2-105

# M5 Series Buccaneer




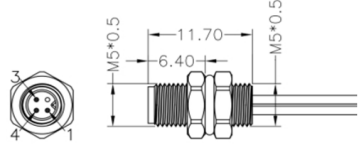
<p><b>M5 Rear Panel Mounting Female</b></p>  <p>PXMBNI05RPF</p>	<ul style="list-style-type: none"> <li>⬡ Available in 3 &amp; 4 Poles</li> <li>⬡ PCB or Flying Lead Termination</li> <li>⬡ Rear Panel Mounting M7 Nut</li> <li>⬡ PCB or Flying Lead Termination</li> <li>⬡ Mates with Flex Inline Body Connectors</li> </ul>	
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Part No.	Poles	Code	Termination	Lead Length
PXMBNI05RPF03AFL001	03	A	Flying Lead	100 mm
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	-


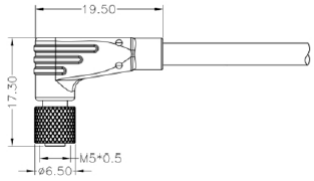
<p><b>M5 Rear Panel Mounting Male</b></p>  <p>PXMBNI05RPM</p>	<ul style="list-style-type: none"> <li>⬡ Available in 3 &amp; 4 Poles</li> <li>⬡ PCB or Flying Lead Termination</li> <li>⬡ Rear Panel Mounting M5 Nut</li> <li>⬡ Mates with Flex Body Connectors</li> </ul>	
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Part No.	Poles	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 Series Buccaneer

<p><b>M5 Front Panel Mounting Male</b></p>  <p style="text-align: right; color: blue;">PXMBNI05FPM</p>	<ul style="list-style-type: none"> <li>⬡ Available in 3 &amp; 4 Poles</li> <li>⬡ PCB or Flying Lead Termination</li> <li>⬡ Rear Panel Mounting M5 Nut</li> <li>⬡ Mates with Flex Body Connectors</li> </ul>	
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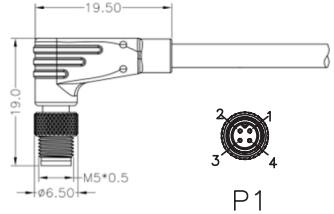
Part No.	Poles	Code	Termination	Lead Length
PXMBNI05FPM03AFL001	03	A	Flying Lead	100 mm
PXMBNI05FPM03AFL002	03	A	Flying Lead	200 mm
PXMBNI05FPM03AFL003	03	A	Flying Lead	300 mm
PXMBNI05FPM04AFL001	04	A	Flying Lead	100 mm
PXMBNI05FPM04AFL002	04	A	Flying Lead	200 mm
PXMBNI05FPM04AFL003	04	A	Flying Lead	300 mm
PXMBNI05FPM03APC	03	A	PCB Terminal	-
PXMBNI05FPM04APC	04	A	PCB Terminal	-

<p><b>M5 Right Angled Female</b></p>  <p style="text-align: right; color: blue;">PXPTPU05RAF PXPPVC05RAF</p>	<ul style="list-style-type: none"> <li>⬡ Available in 3 &amp; 4 Poles</li> <li>⬡ 1, 2, 3, 5, 10 &amp; 15m Cable Options</li> <li>⬡ Overmold Flex Body</li> <li>⬡ Mates with Flex Inline Body &amp; Panel Mount Connectors</li> </ul>	
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Part No.	Poles	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 Series Buccaneer

<p><b>M5 Right Angled Male</b></p>  <p>PXPTPU05RAM PXPPVC05RAM</p>	<ul style="list-style-type: none"> <li>Available in 3 &amp; 4 Poles</li> <li>1, 2, 3, 5, 10 &amp; 15m Cable Options</li> <li>Overmold Flex Inline Body</li> <li>Mates with Flex Body &amp; Panel Mount Connectors</li> </ul>	
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Part No.	Poles	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
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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

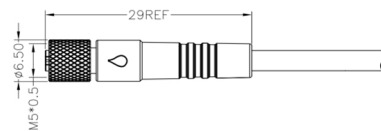
# M5 Series Buccaneer

## M5 Flex Body Female



PXPTPU05FBF  
PXPPVC05FBF

- Available in 3 & 4 Poles
- Overmold Flex Body
- 1, 2, 3, 5, 10 & 15m Cable Options
- Mates with Flex Inline Body & Panel Mount Connectors



Part No.	Poles	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
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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 Series Buccaneer

## M5 Flex Inline Body Male



PXPTPU05FIM  
PXPPVC05FIM

- ⬡ Available in 3 & 4 Poles
- ⬡ 1, 2, 3, 5, 10 & 15m Cable Options
- ⬡ Overmold Flex Inline Body
- ⬡ Mates with Flex Body & Panel Mount Connectors



Part No.	Poles	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
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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

# M5 Series Buccaneer

## Technical Overview Data

### Electrical:

No. Poles: 3 4  
 Current Rating: 1A 1A  
 Voltage Rating (ac/dc): 60V 60V

Contact Resistance: <10mΩ  
 Insulation Resistance: >100MΩ

#### AC Breakdown Voltage

3 Pole: 1.5KV  
 4 Pole: 1.5KV  
 Operating Temp Range: -25°C to 80°C

### Materials:

Body: Nickel Plated Brass  
 Coupling Nut: Nickel Plated Brass  
 Colour: Grey  
 Pin Contacts: Brass, Gold Plating  
 Socket Contacts: Phosphor Bronze, Gold Plating  
 O Rings & Gaskets: Viton  
 RoHS Compliant

### Panel Mount:

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

### Mechanical:

Locking Mechanism: Screw Coupling  
 Sealing: IP67

#### Terminations

3 Pole: Single Wire / PCB / Cable  
 4 Pole: Single Wire / PCB / Cable

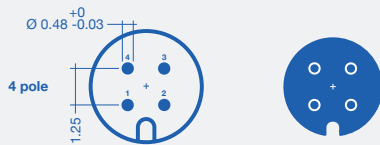
Mechanical Operation: 500 Mating Cycles  
 Diameter Over Coupling Ring: 6.5mm

### Cable Connectors:

TPU / PVC  
 Nickel Plated Brass  
 Black  
 Brass, Gold Plating  
 Phosphor Bronze, Gold Plating  
 Viton  
 Compliant

## Contact Diagrams (Front View 'A' Code)

XXXXXXXXXXM03XXXXXXXXXX  
 XXXXXXXXXXXXF03XXXXXXXXXX



P1	Pair	Wire Colour	P2
1		Brown	1
3		Blue	3
4		Black	4

XXXXXXXXXXM04XXXXXXXXXX  
 XXXXXXXXXXXXF04XXXXXXXXXX



P1	Pair	Wire Colour	P2
1		Brown	1
2		White	2
3		Blue	3
4		Black	4

# M5 Series Buccaneer

XXX	XXX	XX	XX	X	XX	X	XX	XXX	XXX
Series	Material	Size	Body	Orientation	Contacts	Code	Termination	Lead Length	Material
PXM	BNI = Brass	05	FB = Flex Body	M	03	A	PC = PCB	001	PUR
PXP	Nickel		FI = Flex Inline Body	F	04		FL = Flying Lead	002	PVC
	TPU = Overmold for PUR		FP = Front Panel Mounting				CL = Cable	003	
	PVC = Overmold for PVC		RP = Rear Panel Mounting					010	
			RA = Right Angle					030	
								050	
								100	
								150	



# Mouser Electronics

Authorized Distributor

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Bulgin:

[PXPTPU05FBF04ACL010PUR](#)