



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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:

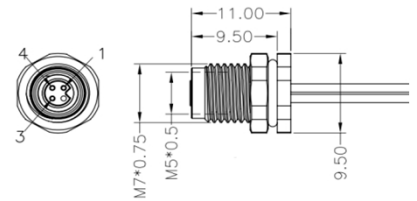
- Secure & reliable screw locking mechanism
- Robust PVC & PUR overmolded cables
- Cable length from 1m - 15m
- High degree of environmental protection - IP67 rated
- Straight & right angled cable connectors
- Rear & front panel mount receptacles
- Available with 3 or 4 poles

M5 Rear Panel Mounting Female



PXMBNI05RPF

- Available in 3 and 4 poles
- PCB or flying lead termination
- Rear panel mounting M7 nut
- Mates with Flex Inline Body connectors



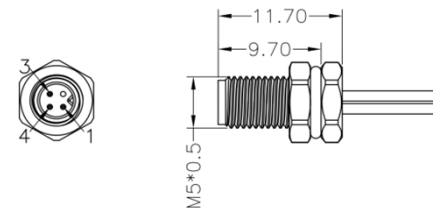
Part Number	Poles	Code	Termination	Lead Length
PXMBNI05RPF03AFL001	03	A	Flying Lead	100 mm Lead Length
PXMBNI05RPF03AFL002	03	A	Flying Lead	200 mm Lead Length
PXMBNI05RPF03AFL003	03	A	Flying Lead	300 mm Lead Length
PXMBNI05RPF04AFL001	04	A	Flying Lead	100 mm Lead Length
PXMBNI05RPF04AFL002	04	A	Flying Lead	200 mm Lead Length
PXMBNI05RPF04AFL003	04	A	Flying Lead	300 mm Lead Length
PXMBNI05RPF03APC	03	A	PCB Terminal	-
PXMBNI05RPF04APC	04	A	PCB Terminal	-

M5 Rear Panel Mounting Male



PXMBNI05RPM

- Available in 3 and 4 poles
- PCB or flying lead termination
- Rear panel mounting M5 nut
- Mates with Flex Body connectors



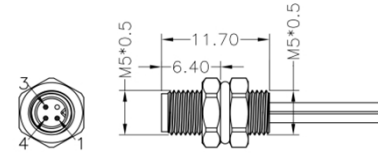
Part Number	Poles	Code	Termination	Lead Length
PXMBNI05RPM03AFL001	03	A	Flying Lead	100 mm Lead Length
PXMBNI05RPM03AFL002	03	A	Flying Lead	200 mm Lead Length
PXMBNI05RPM03AFL003	03	A	Flying Lead	300 mm Lead Length
PXMBNI05RPM04AFL001	04	A	Flying Lead	100 mm Lead Length
PXMBNI05RPM04AFL002	04	A	Flying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

M5 Front Panel Mounting Male



PXMBNI05FPM

- Available in 3 and 4 poles
- PCB or flying lead termination
- Rear panel mounting M5
- Mates with Flex Body connectors



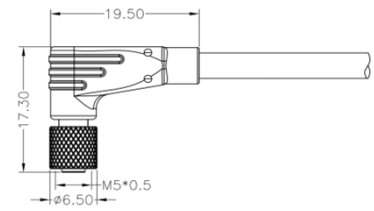
Part Number	Poles	Code	Termination	Lead Length
PXMBNI05FPM03AFL001	03	A	Flying Lead	100 mm Lead Length
PXMBNI05FPM03AFL002	03	A	Flying Lead	200 mm Lead Length
PXMBNI05FPM03AFL003	03	A	Flying Lead	300 mm Lead Length
PXMBNI05FPM04AFL001	04	A	Flying Lead	100 mm Lead Length
PXMBNI05FPM04AFL002	04	A	Flying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

M5 Right Angled Female



PXPTPU05RAF
PXPPVC05RAF

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



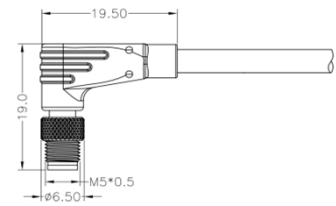
Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPPVC05RAF03ACL010PVC	03	A	Overmold Cable	1 M Lead Length	PVC
PXPTPU05RAF03ACL010PUR	03	A	Overmold Cable	1 M Lead Length	PUR
PXPPVC05RAF03ACL020PVC	03	A	Overmold Cable	2 M Lead Length	PVC
PXPTPU05RAF03ACL020PUR	03	A	Overmold Cable	2 M Lead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

M5 Right Angled Male



PXPTPU05RAM
PXPPVC05RAM

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



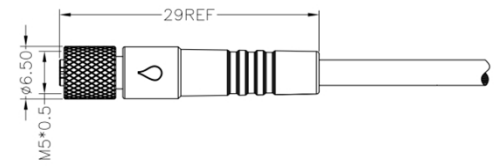
Part Number	Poles	Code	Termination	Lead Length	Cable Material
PXPPVC05RAM03ACL010PVC	03	A	Overmold Cable	1 M Lead Length	PVC
PXPTPU05RAM03ACL010PUR	03	A	Overmold Cable	1 M Lead Length	PUR
PXPPVC05RAM03ACL020PVC	03	A	Overmold Cable	2 M Lead Length	PVC
PXPTPU05RAM03ACL020PUR	03	A	Overmold Cable	2 M Lead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

M5 Flex Body Female



PXPTPU05FBF
PXPPVC05FBF

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



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

M5 Flex Inline Body Male



PXPTPU05FIM
PXPPVC05FIM

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



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

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	

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

Materials:

Panel Mount

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

Cable Connectors

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

MX	XXX	XX	XX	X	XX	X	XX	XXX	XXX
Series	Material	Series Size	Body Style	Orientation	No. Contacts	Code	Termination	Lead Length	Cable Material
PXM	BNI = Brass Nickel	05	FB = Flex Body	M	03	A	PC = PCB	001	PUR
PXP	TPU = overmold for PUR PVC = overmold for PVC		FI = Flex Inline Body FP = Front Panel Mounting RP = Rear Panel Mounting RA = Right Angle	F	04		FL = Flying Lead CL = Cable	002 003 010 020 030 050 100 150	PVC