

SubConn® Low Profile

Micro 3 pins

Connector specifications

Voltage rating	300 V AC rms
Current rating	5 A per pin (max 10 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass or stainless steel
Contacts	Sockets in gold plated brass UNS - C36000
	Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking straps	N/A
Inline cable (60 cm, 2 ft)	20 AWG 0.5 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	20 AWG 0.5 mm² tagged PTFE

Face view (male)



Inline cable colour code

- 1 Black
- 2 White
- 3 Red

Nominal cable outside diameter (OD)

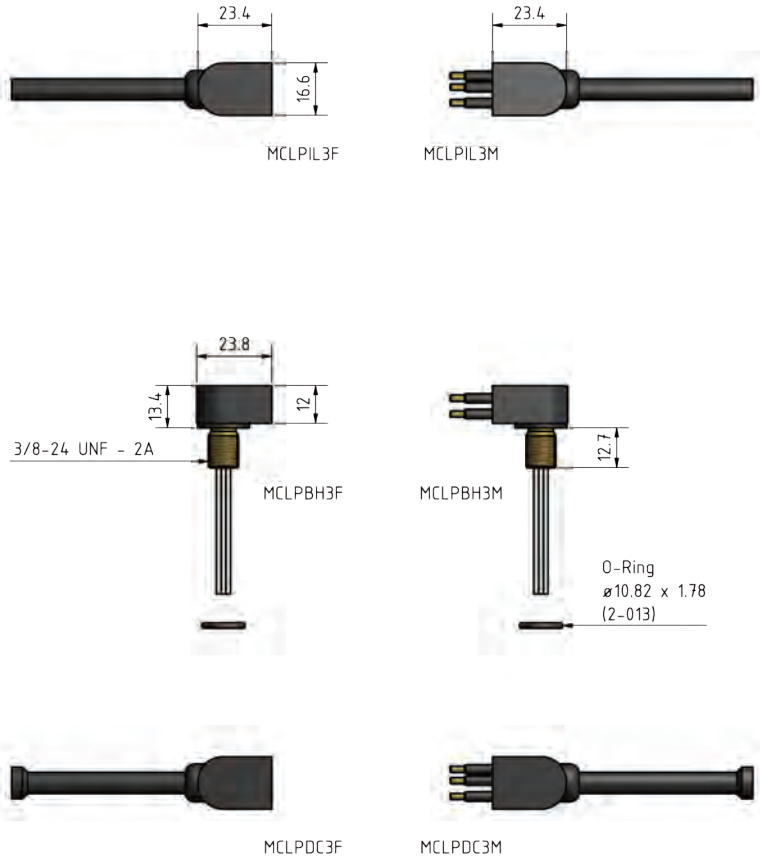
3 conductor cable 0.328", 8.4 mm

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)

SubConn® Low Profile

Micro 7 and 9 pins

Connector specifications

Voltage rating	300 V AC rms
Current rating	5 A per pin (max 20 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500
Temperature rating (water)	- 4 to 60°C, 25 to 140°F
Temperature rating (air)	- 40 to 60°C, - 40 to 140°F
Storage temperature rating	- 40 to 60°C, - 40 to 140°F
Depth rating	700 bar, 10,000 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass, stainless steel, titanium, anodised aluminium or PEEK
Contacts	Sockets in gold plated brass UNS - C36000
	Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking straps	Chloroprene rubber
Inline cable (60 cm, 2 ft)	20 AWG 0.5 mm² chloroprene rubber
Bulkhead leads (30 cm, 1 ft)	20 AWG 0.5 mm² tagged PTFE

Face view (male)



Inline cable colour code

1 Black	7 White/black
2 White	8 Red/black*
3 Red	9 Green/black
4 Green	10 Orange/black**
5 Orange	
6 Blue	

* Micro 7 pin uses an 8 conductor cable (only 7 conductors are used)

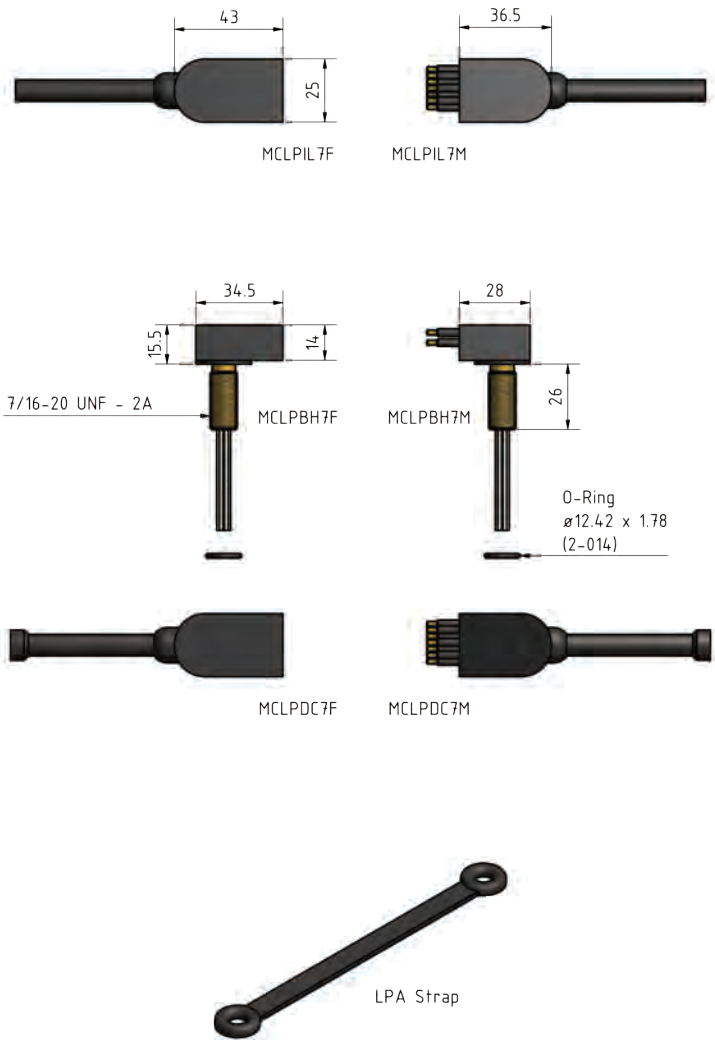
** Micro 9 pin uses an 10 conductor cable (only 9 conductors are used)

Additional information

Nuts and washers can be supplied in stainless steel AISI 316 or brass UNS - C36000

For mounting and torque information - see "general technical information" (page 96)

For SubConn® handling instructions - see "general technical information" (page 98)



Low Profile

Drawing information

Dimensions in mm (1 mm = 0.03937 inch)
Threads in inches (1 inch = 25.4 mm)