

SubConn® Micro Low Profile

3 contacts

Connector specifications

Voltage rating	300 V DC/AC rms
Current rating	5 A per contact (max 10 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500 (open face rated)
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
Qualified pressure tested	800 bar, 11,600 psi
Depth rating PEEK	300 bar, 4,350 psi

Material specifications

Connector body	Chloroprene rubber
Bulkhead body	Brass or stainless steel
Contacts	Female sockets in gold plated brass UNS - C36000
	Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking strap	Chloroprene rubber
Inline cable (2 ft, 60 cm)	20 AWG, 0.52 mm ² synthetic rubber
Bulkhead leads (1 ft, 30 cm)	20 AWG, 0.52 mm ² coloured PTFE

Face view (male)

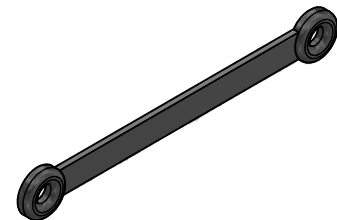
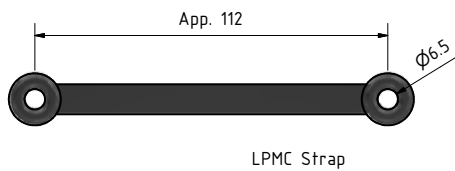
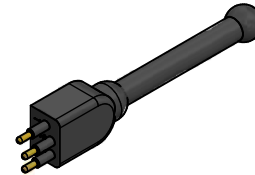
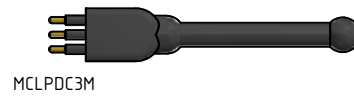
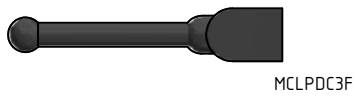
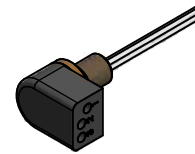
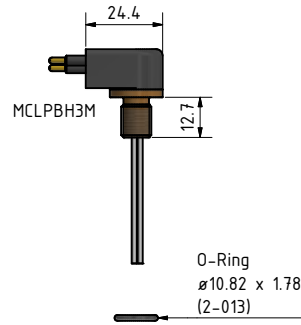
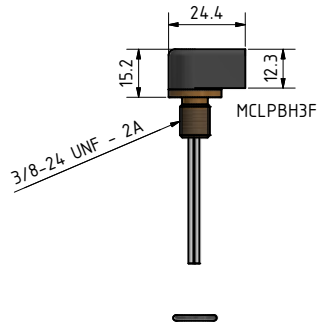
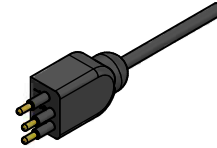
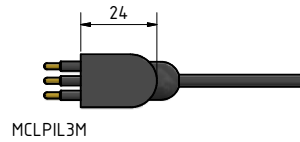
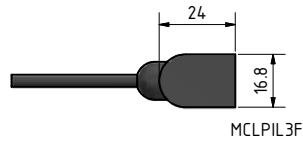


Inline cable colour code

- 1 Black
- 2 White
- 3 Red

Nominal cable outside diameter (OD)

3 conductor cable 0.250", 6.35 mm



Drawing information

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

SubConn® Micro Low Profile

7 and 9 contacts

Connector specifications

Voltage rating	300 V DC/AC rms
Current rating	5 A per contact (max 20 A per connector)
Insulation resistance	> 200 Mohm
Contact resistance	< 0.01 ohm
Wet matings	> 500 (open face rated)
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
Qualified pressure tested	800 bar, 11,600 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	Female sockets in gold plated brass UNS - C36000 Male pins in gold plated beryllium copper
O-rings	Nitrile
Locking strap	Chloroprene rubber
Inline cable (2 ft, 60 cm)	20 AWG, 0.52 mm ² synthetic rubber
Bulkhead leads (1 ft, 30 cm)	20 AWG, 0.52 mm ² coloured PTFE
OM leads (3", 7 cm)	20 AWG, 0.52 mm ² coloured PTFE

Face view (male)



Inline cable colour code

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

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

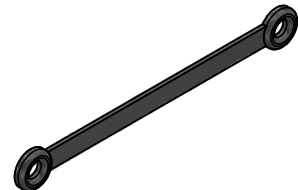
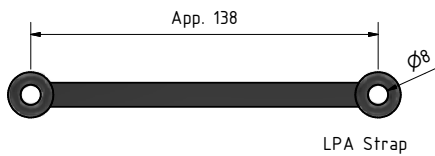
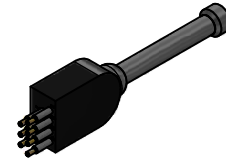
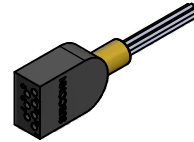
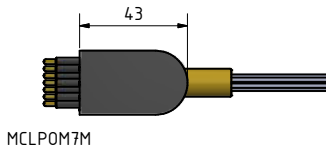
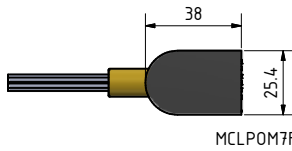
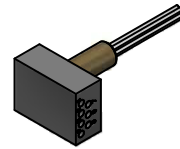
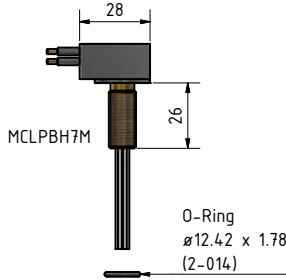
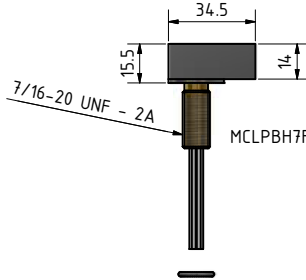
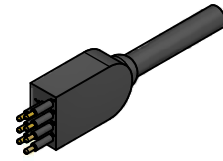
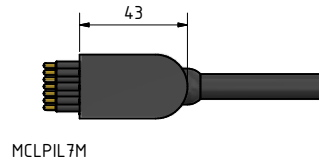
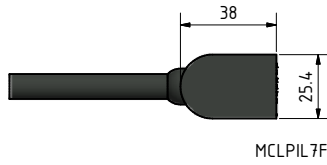
** Micro 9 contacts connector uses a 10 conductor cable (only 9 conductors are used)

Nominal cable outside diameter (OD)

8 conductor cable 0.363", 9.2 mm

10 conductor cable 0.406", 10.3 mm

7 and 9 conductor cables are not available, therefore 8 and 10 conductor cables are to be used



Drawing information

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