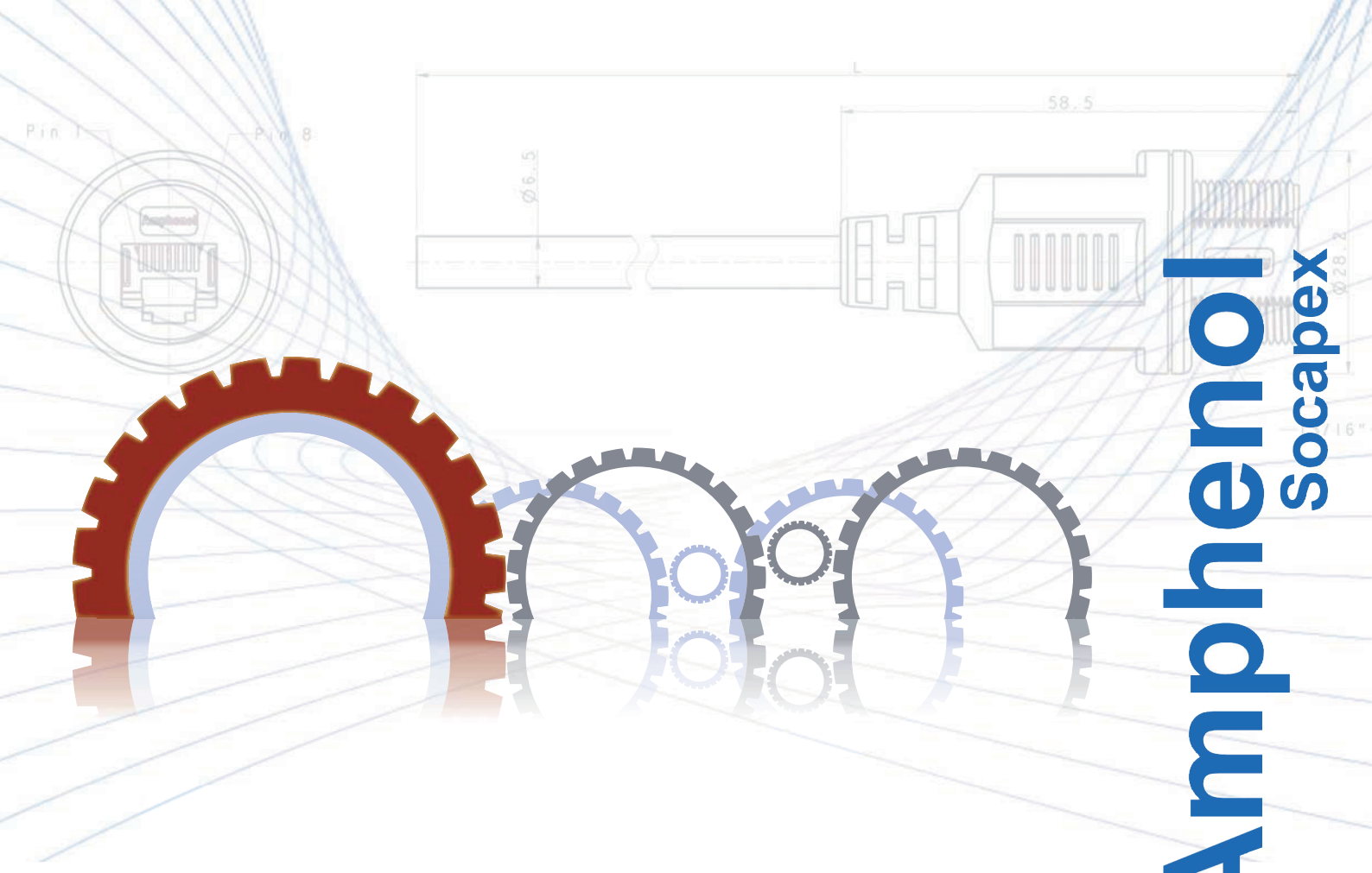




Technical drawings of Amphenol connectors are visible in the background. On the left, a circular connector is shown with labels 'Pin 1' and 'Pin 8'. To its right is a side view of a connector with dimensions: a diameter of $\varnothing 6.5$, a length of 58.5, and a mounting hole diameter of $\varnothing 28.2$. Below these drawings is a gear train consisting of several interlocking gears of different sizes and colors (red, blue, grey) arranged in a row.

Amphenol
Socapex

Amphenol Overmolded Ethernet and USB solutions

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HDMI Field		6
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USB-A FIELD

Plastic shell - Overmolded cordset



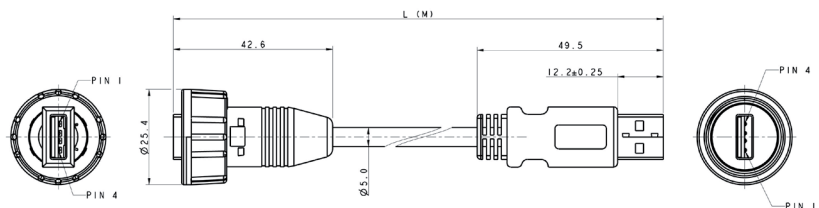
IP68 SEALED USB-A CONNECTION SYSTEM

- Plastic shells
- Thread coupling
- Overmolded plug cordset: male sealed USB-A plug to standard USB-A plug
- Available cordset lengths: 2m and 5m. For other lengths, please contact us
- Rear mount Jam Nut receptacle with 50 mm flying lead + 5-way connector-back termination. Panel gasket included
- Temperature range: -20°C +80°C.
- Standard USB-A plug can be used with our USBFTV series connectors

Applications

- Embedded computers
- Data Transfer
- Numerical control machines

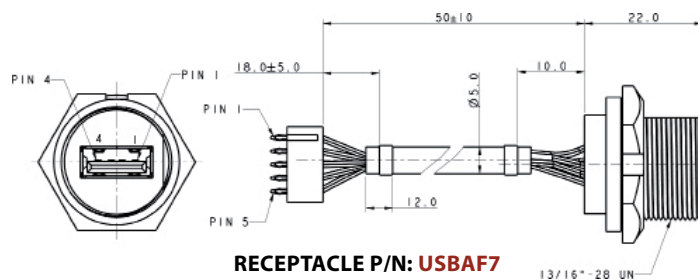
CORDSET MALE SEALED USB-A PLUG TO STANDARD USB-A PLUG



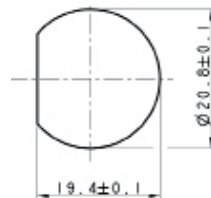
PART NUMBERS:

- L = 2000±60mm [78.74±2.36] -P/N: **USBAF6A200**
- L = 5000±60mm [196.85±2.36] -P/N: **USBAF6A500**

RECEPTACLE FEMALE USB-A



RECEPTACLE P/N: **USBAF7**



Panel Drilling

JWT CONNECTOR - PITCH 2.5MM

- JWT 1 = USB1 = RED (AWG 24)
- JWT 2 = USB2 = WHITE (AWG 28)
- JWT 3 = USB3 = GREEN (AWG 28)
- JWT 4 = USB4 = BLACK (AWG 24)
- JWT 5 = USB Shield = YELLOW (AWG 24)

RECEPTACLE CAP



CAP P/N: **USBAFC7**

USB B Field

Plastic shell - Overmolded cordset plug



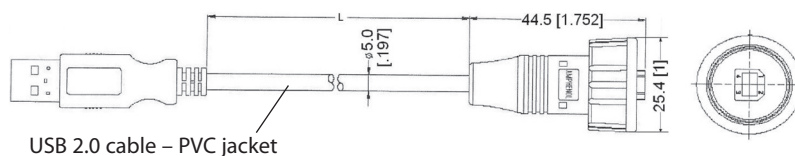
IP68 SEALED USB-B CONNECTION SYSTEM

- Plastic shells
- Thread coupling
- Overmolded plug cordset: male sealed USB-B plug to standard USB-A plug
- Available cordset lengths: 1m and 2m• For other lengths please contact us
- Rear mount Jam Nut receptacle with 50mm flying lead + 5-way connector back termination. Panel gasket included
- Temperature range: -20°C +80°C

Applications

- Embedded Computers
- Data Transfer
- Numerical Control Machine

OVERMOLDED PLUG CORDSET: MALE SEALED USB-B PLUG STANDARD USB-A PLUG



PART NUMBERS:

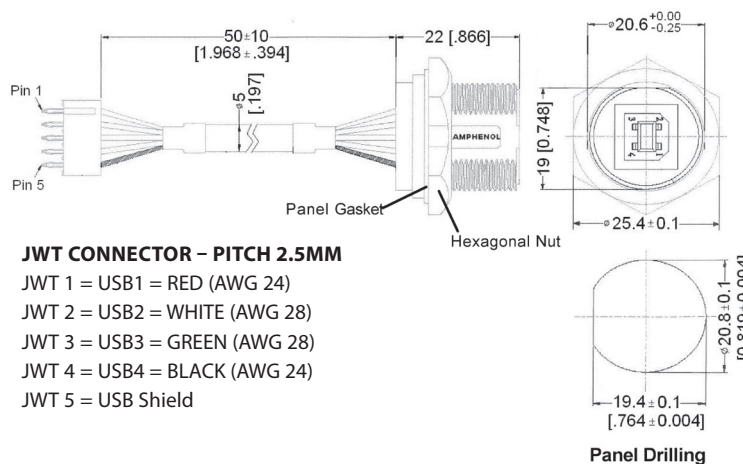
L = 1000±50mm [39.37±1.97] - P/N: **USBBF6100**

L = 2000±50mm [78.74±1.97] - P/N: **USBBF6200**

RECEPTACLE - FEMALE USB-B



RECEPTACLE P/N:
USBBF7



JWT CONNECTOR - PITCH 2.5MM

- JWT 1 = USB1 = RED (AWG 24)
- JWT 2 = USB2 = WHITE (AWG 28)
- JWT 3 = USB3 = GREEN (AWG 28)
- JWT 4 = USB4 = BLACK (AWG 24)
- JWT 5 = USB Shield

Panel Drilling



CAP P/N: **USBBFC7**

USB MINI B Field



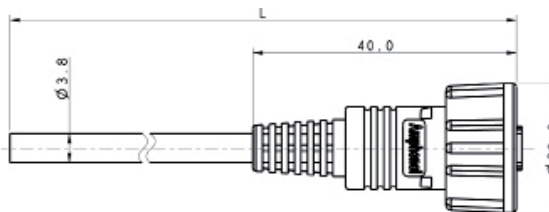
IP68 SEALED MINI USB-B CONNECTION SYSTEM

- Plastic shells
- Thread coupling
- Overmolded plug cordset: male sealed Mini USB-B plug to open end
- Available cordset length: 2m and 5m. For other lengths, please contact us
- Rear mount Jam Nut receptacles with straight pcb and 90° pcb back terminations. Panel gasket is included
- Temperature range: -20°C +80°C

Applications

- Embedded Computers
- Data Transfer
- Numerical Control Machine

CORDSET MALE SEALED MINI USB-B PLUG TO OPEN END



PIN ASSIGNMENTS

(FRONT VIEW)

- 1 = RED (AWG 28)
- 2 = WHITE (AWG 28)
- 3 = GREEN (AWG 28)
- 4 = YELLOW (AWG 28)
- 5 = BLACK (AWG 28)

Shield = Drain

PART NUMBERS:

L = 2000±50mm [78.77±1.97] - P/N: **USBMINIBF6200OPEN**

L = 5000±50mm [196.85±1.97] - P/N: **USBMINIBF6500OPEN**

RECEPTACLE – FEMALE MINI USB-B



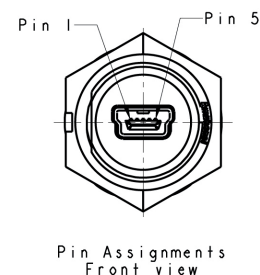
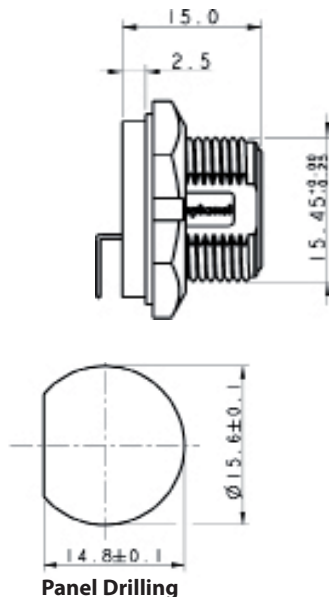
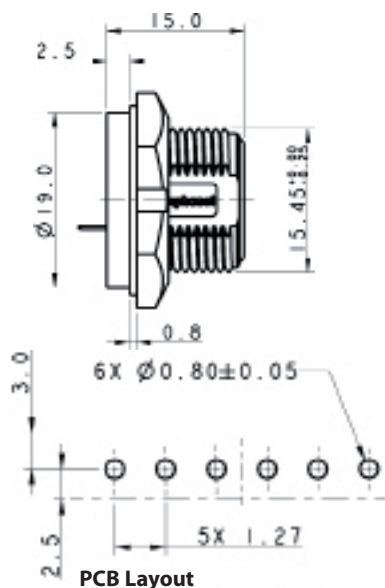
STRAIGHT PCB P/N: **USBMINIBF7PCB**



PCB 90° P/N: **USBMINIBF7PCB90**



FRONT VIEW



Pin Assignments
Front view



CAP P/N: **USBMINIBFC7**

COMMENT:

For 90° version, the distance from pcb edge is 2,5mm max

HDMI FIELD



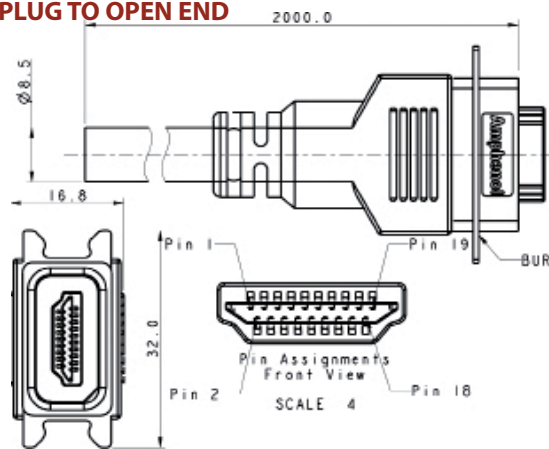
SEALED (IP68) HDMI CONNECTION SYSTEM

- Plastic shells
- HDMI version: 1.3
- Latch coupling
- Overmolded plug cordset: male sealed HDMI plug to open end
- Available cordset length: 2m. For other lengths, please contact us
- Rear mount rectangular flange receptacle with 90°pcb back termination. Panel gasket is included
- Temperature range: -20°C +80°C

Applications

- High Definition Video
- Rugged screen

CORDSET MALE SEALED HDMI PLUG TO OPEN END



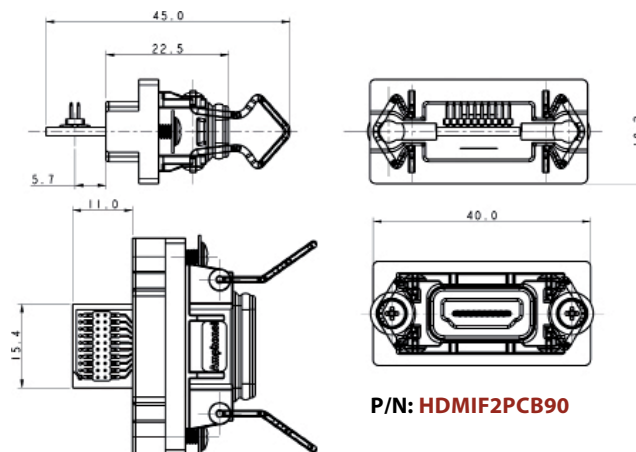
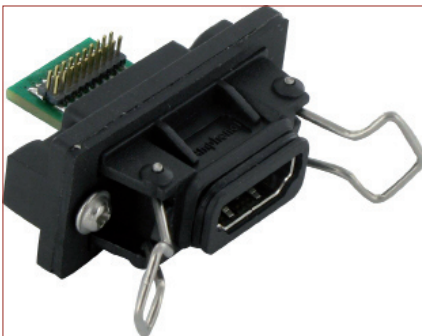
PIN ASSIGNMENTS

- | | |
|------------|-------------|
| 1 = BROWN | 13 = WHITE |
| 2 = DRAIN | 14 = GRAY |
| 3 = WHITE | 15 = YELLOW |
| 4 = RED | 16 = ORANGE |
| 5 = DRAIN | 17 = RED |
| 6 = WHITE | 18 = PURPLE |
| 7 = GREEN | 19 = PINK |
| 8 = DRAIN | |
| 9 = WHITE | |
| 10 = BLUE | |
| 11 = DRAIN | |
| 12 = WHITE | |

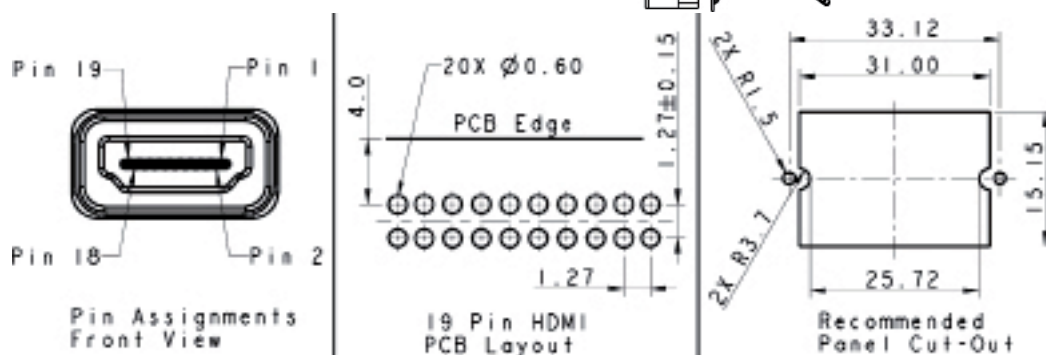
PART NUMBERS:

L = 2000±100mm [78.74±3.94] -P/N: **HDMIF6200OPEN**

RECEPTACLE - FEMALE HDMI



P/N: **HDMIF2PCB90**



RJ45 FIELD

Plastic shell - Overmolded cordset



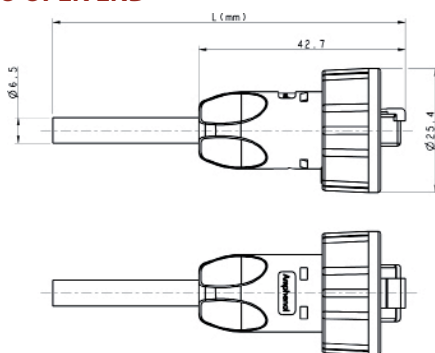
IP68 SEALED ETHERNET/RJ45 CONNECTION SYSTEM

- Plastic shells
- Thread coupling
- Overmolded plug cordset: male sealed RJ45 plug to open end
- Available cordset lengths: 2m and 10m. For other lengths, please consult us
- Rear mount jam nut receptacles with straight RJ45 and 90° RJ45 back terminations. Panel gasket is included
- Temperature range: -20°C +80°C

Applications

- Telecom Equipment
- Video Control
- Robotics
- Industrial Process Control
- CNC Machines
- Special Machines
- Motion Control
- Tele-maintenance

CORDSET MALE SEALED RJ45 PLUG TO OPEN END



PIN ASSIGNMENTS

(AWG24)

- 1 = ORANGE/WHITE
- 2 = ORANGE
- 3 = GREEN/WHITE
- 4 = BLUE
- 5 = BLUE/WHITE
- 6 = GREEN
- 7 = BROWN/WHITE
- 8 = BROWN

PART NUMBERS:

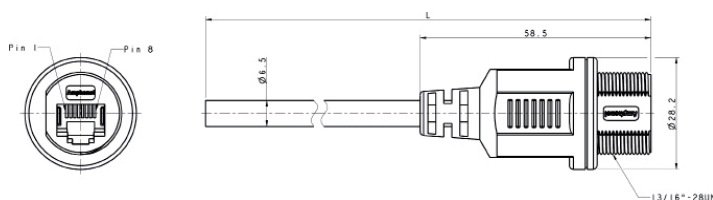
L = 2000±100mm [78.74±3.94]

L = 10000±500mm [393,70±19,69]

-P/N: **RJ45F6200OPEN**

-P/N: **RJ45F2KOPEN**

CORDSET FEMALE RJ45 RECEPTACLE TO OPEN END



PART NUMBERS:

L = 2000±100mm [78.74±3.94]

L = 10000±500mm [393,70±19,69]

-P/N: **RJ45F1200OPEN**

-P/N: **RJ45F11KOPEN**

RECEPTACLE – FEMALE RJ45



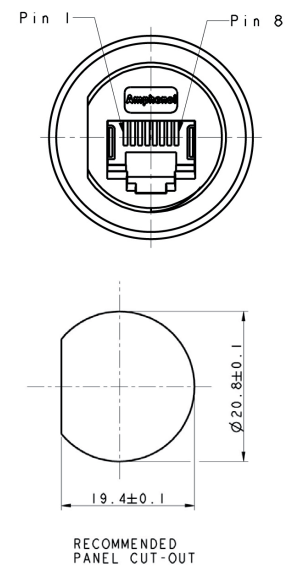
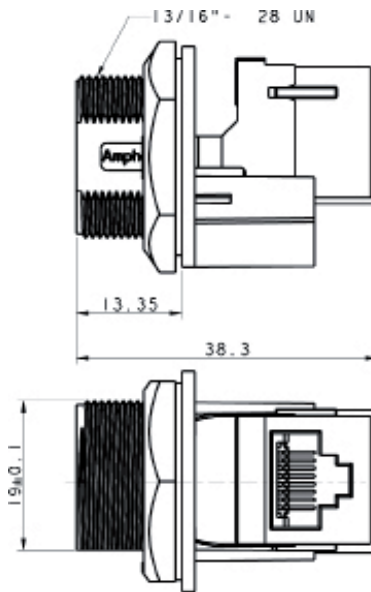
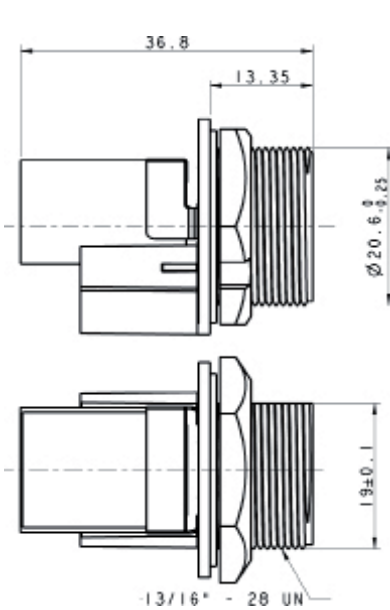
PART NUMBERS:

Straight RJ45 back termination:

P/N : **RJ45F7RJ**

90°RJ45 back termination:

P/N : **RJ45F7RJ90**



PLASTIC CAP WITH METAL CHAIN



CAP P/N: **RJ45FC7**