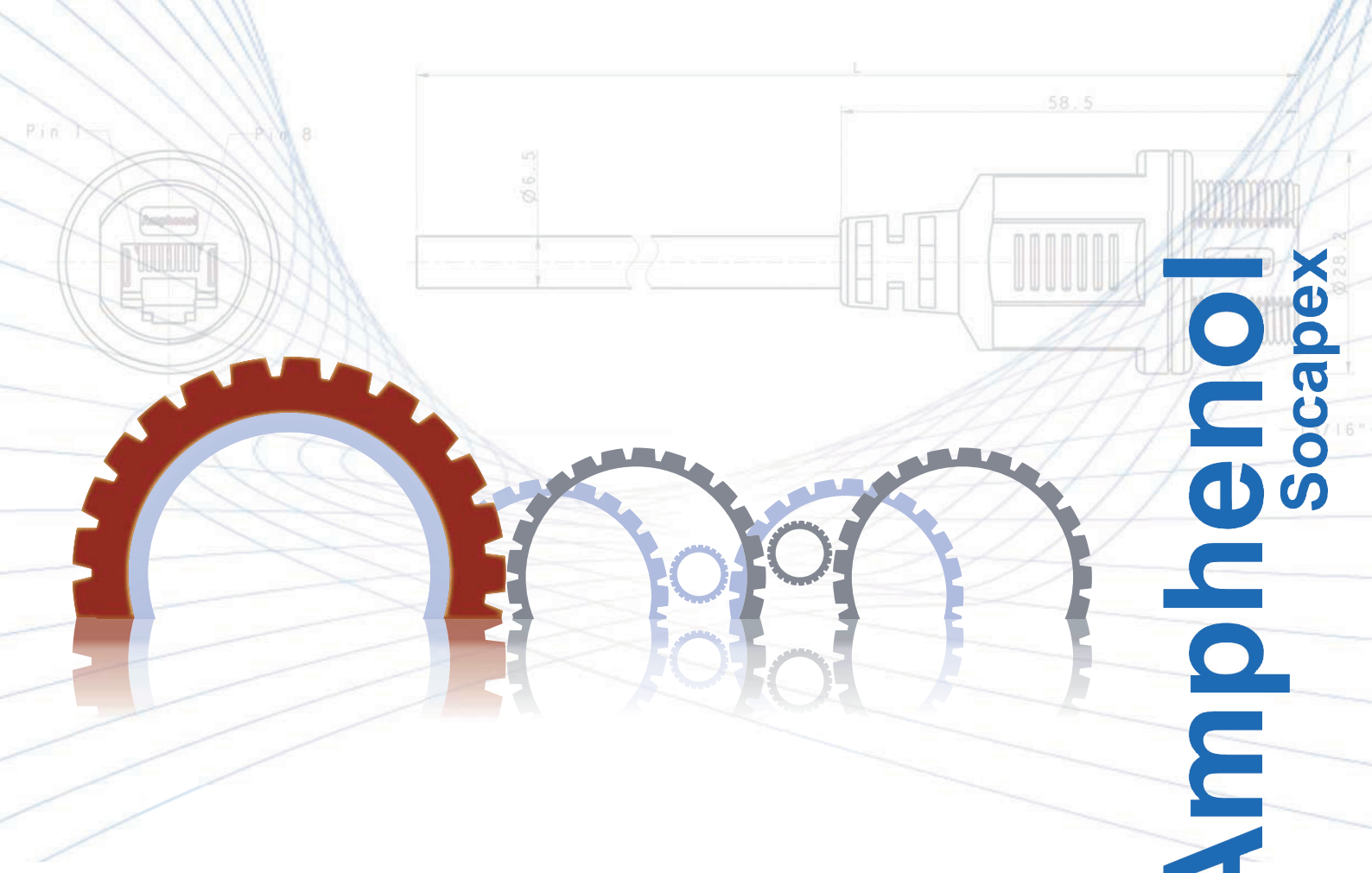




The background features technical drawings of Amphenol connectors. On the left, a circular connector is shown with labels 'Pin 1' and 'Pin 8'. To its right is a side view of a connector with dimensions: a diameter of  $\varnothing 6.5$ , a length of 58.5, and a mounting hole diameter of  $\varnothing 28.2$ . Below these drawings is a graphic of several interlocking gears in red, blue, and grey, with a reflection effect underneath. The Amphenol logo is positioned vertically on the right side of the page.

**Amphenol**  
Socapex

# Amphenol Overmolded Ethernet and USB solutions

# TABLE OF CONTENTS

|                  |       |   |
|------------------|-------|---|
| USBA Field       | ..... | 3 |
| USB B Field      | ..... | 4 |
| USB MINI B Field | ..... | 5 |
| HDMI Field       | ..... | 6 |
| RJ45 Field       | ..... | 7 |

## Plastic shell - Overmolded cordset

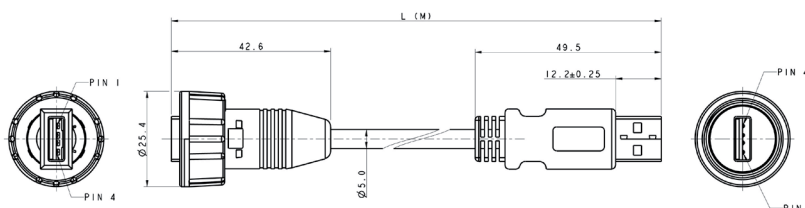


- Plastic shells
- Thread coupling
- Overmolded plug cordset: male sealed USB-A plug to standard USB-A plug
- Available cordset lengths: 2m and 5m. For other lengths, please contact us
- Rear mount Jam Nut receptacle with 50 mm flying lead + 5-way connector-back termination. Panel gasket included
- Temperature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

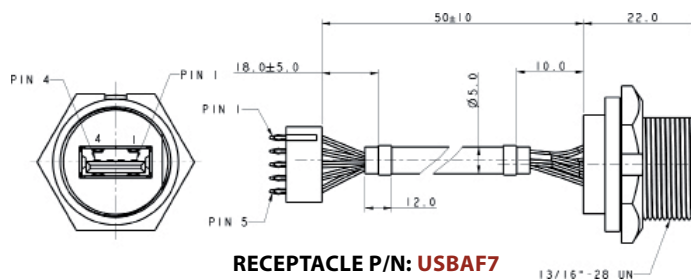
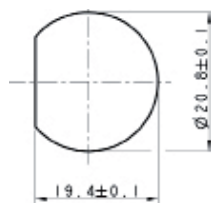


**PART NUMBERS:**

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**

### JWT CONNECTOR – PITCH 2.5MM

JWT 1 = USBA1 = RED (AWG 24)

JWT 2 = USBA2 = WHITE (AWG 28)

JWT 3 = USBA3 = GREEN (AWG 28)

JWT 4 = USBA4 = BLACK (AWG 24)

JWT 5 = USBA Shield = YELLOW (A)

## RECEPTACLE CAP

CAP P/N: **USBAFC7**

# USB B Field

Plastic shell - Overmolded cordset plug



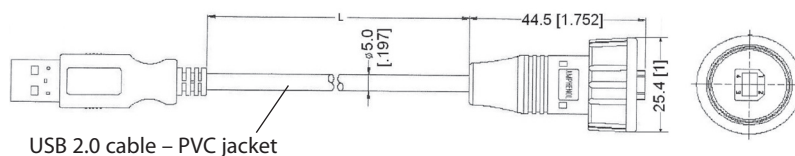
## IP68 SEALED USB-B CONNECTION SYSTEM

- 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:

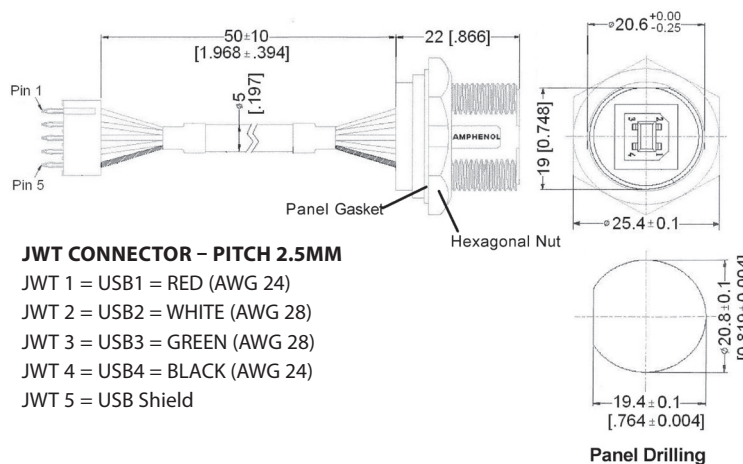
L = 1000±50mm [39.37±1.97] - P/N: **USBBF6100**

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

## RECEPTACLE – FEMALE USB-B



RECEPTACLE P/N:  
**USBBF7**



CAP P/N: **USBBFC7**

# USB MINI B Field



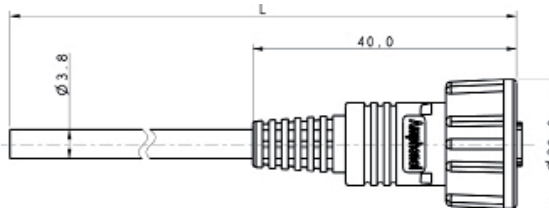
## IP68 SEALED MINI USB-B CONNECTION SYSTEM

- 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



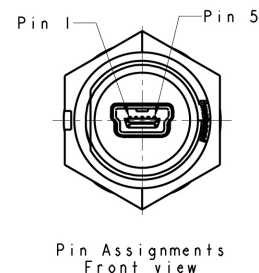
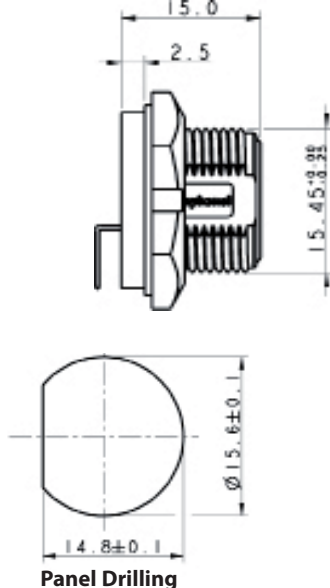
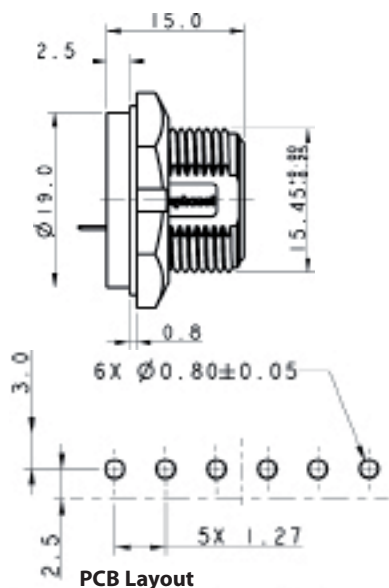
STRAIGHT PCB P/N: **USBMINIBF7PCB**



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



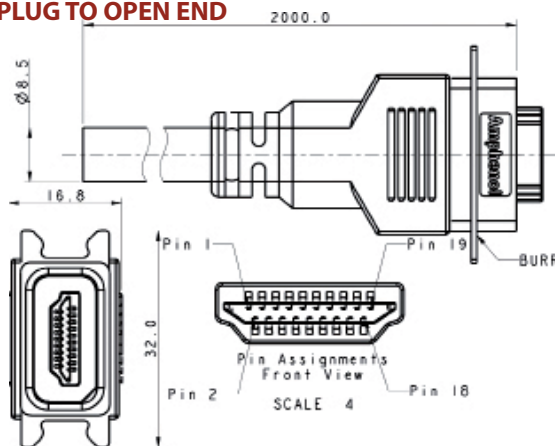
## SEALED (IP68) HDMI CONNECTION SYSTEM

- 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



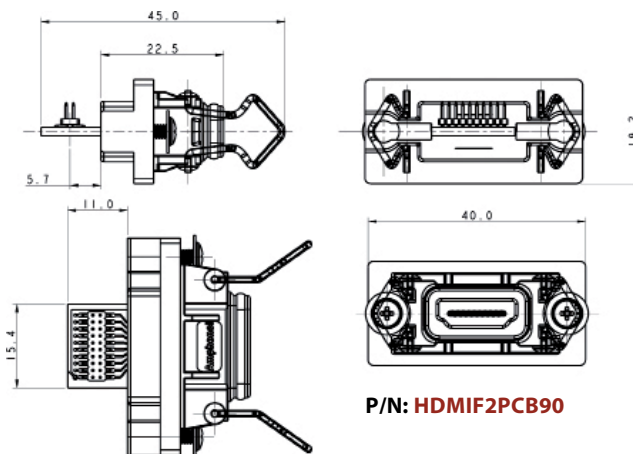
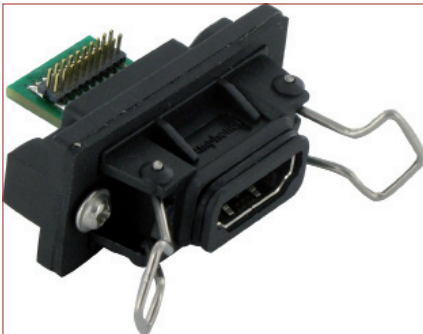
## PIN ASSIGNMENTS

- 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

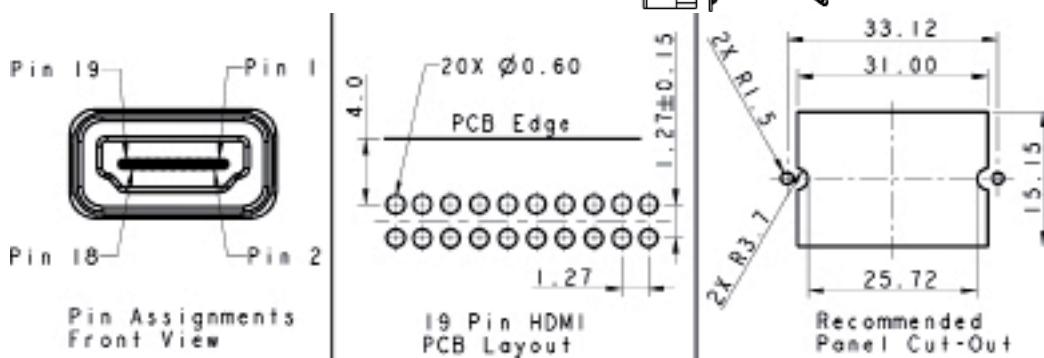
**PART NUMBERS:**

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

## RECEPTACLE – FEMALE HDMI



**P/N: HDMIF2PCB90**



# RJ45 FIELD

Plastic shell - Overmolded cordset



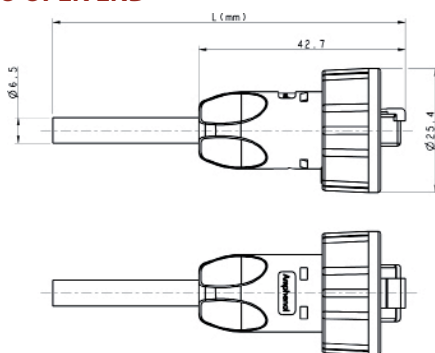
## IP68 SEALED ETHERNET/RJ45 CONNECTION SYSTEM

- 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:

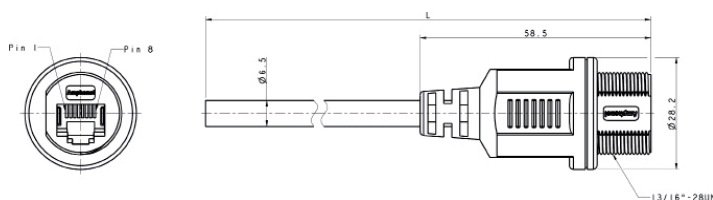
L = 2000±100mm [78.74±3.94]

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



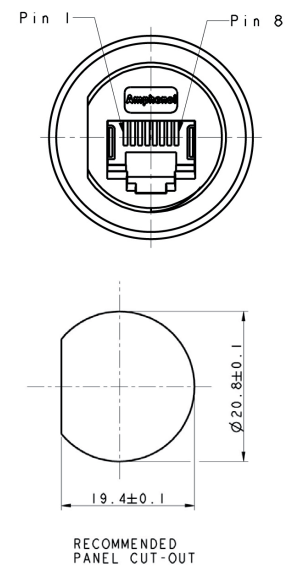
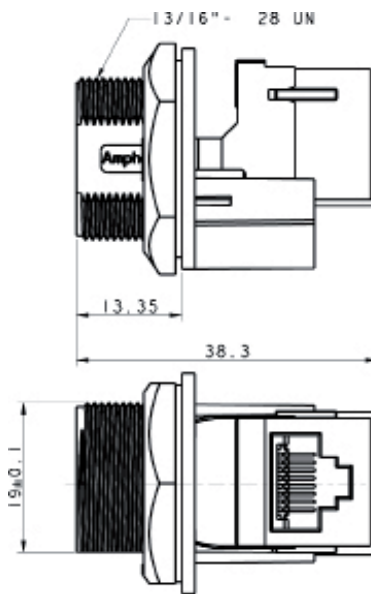
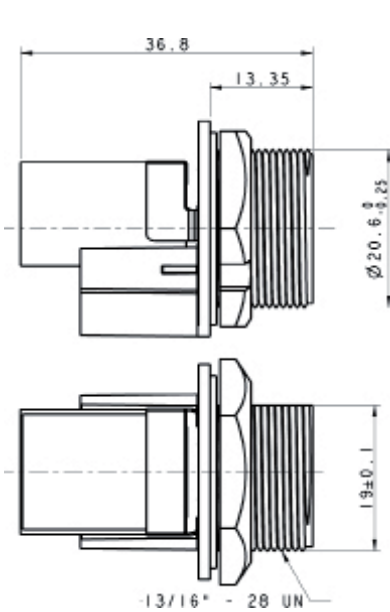
### PART NUMBERS:

Straight RJ45 back termination:

P/N : **RJ45F7RJ**

90°RJ45 back termination:

P/N : **RJ45F7RJ90**



## PLASTIC CAP WITH METAL CHAIN



CAP P/N: **RJ45FC7**