

# SPECIFICATION

Hippo-M MINI Connector  
12mm PCB 4 Pins for COB



## Basic Info

Product Series	Hippo-M MINI		
Item NO	MN20-B12C-4P	MN20-X12C-4PW	MN20-BXB12C-4PW
Connection Type	Strip to Strip Joint	Strip to Power	Strip to Strip Bridge
With Wire or NOT	No Wire	With Wire	With Wire

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**RICHARDSON**

318 South Central Expressway, STE 113,  
Richardson, Texas, 75080, United States.

**(469)-372-0795**

## Physical Data

Item NO	MN20-B12C-4P	MN20-X12C-4PW	MN20-BXB12C-4PW
Shape	I shape, straight connection	I shape, straight connection	
Size	16.5*13.7*4.3 mm		
Pin Quantity	4		

## Material Data

Housing Color	Transparent
Material	Polycarbonate(PC), Phosphor bronze
Surface Treatment	Nickel plating
Deform Temperature	80°C

## Electrical Data

Voltage	DC3~24V
Max Current of Pin	3.5A (@TA=30°C PCB=3OZ Gauge=22AWG)

Remark: DC3~24V is the voltage adding to LED strip that connector works with

## Workable LED strip

Type	COB
Width	12mm
Light Color	RGB
IP Rating	IP20
PCB Thickness	0.25 ~0.35 mm
LED Density/ Meter	No Limited

## Workable Wire Data

Item NO	MN20-X12C-4PW	MN20-BXB12C-4PW
Length	150mm	
Wire Gauge	22AWG	
Cross Section	0.32 mm <sup>2</sup>	
Outer Diameter	OD=1.6mm	
Wire Type	Multiple Stranded, Flat	
Cable Color	Red-Green-Black-Blue	

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## Working Environment

Environment TEMP. -10 ~ 45°C

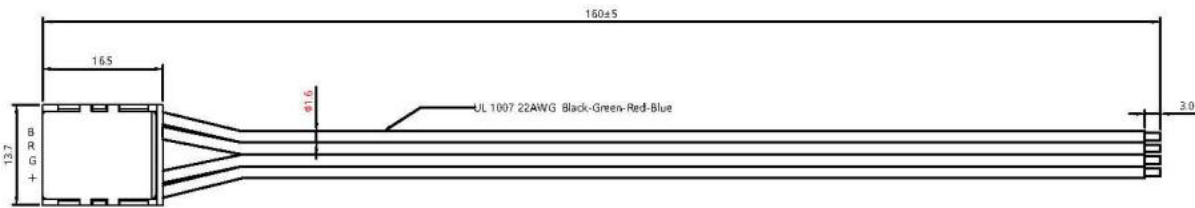
Environment Indoor

## Dimensional Diagram

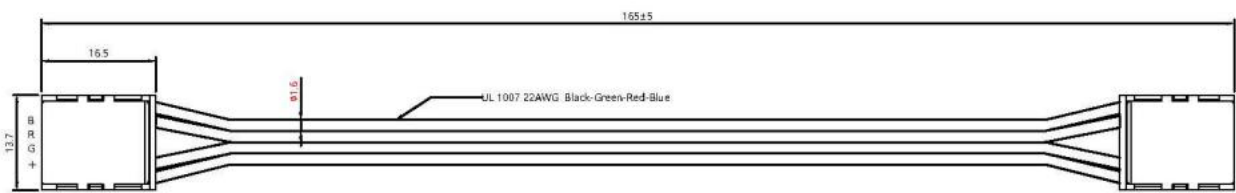
Item NO.: MN20-B12C-4P



Item NO.: MN20-X12C-4PW



Item NO.: MN20-BXB12C-4PW



Tolerance (mm)

Size Range	Tolerance
≤3	±0.10
> 3 ≤10	±0.15
> 10 ≤20	±0.20
> 20	±0.25

If the diagram has marked the tolerance data, use it as a standard; If not , take the tolerance table as standard.

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