

# Data sheet

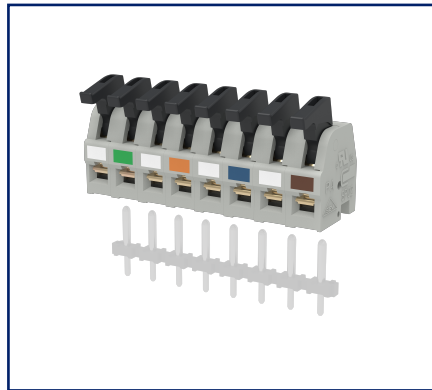
SP02508HDNC ASP0250804-004

P/N  
ASP0250804-004

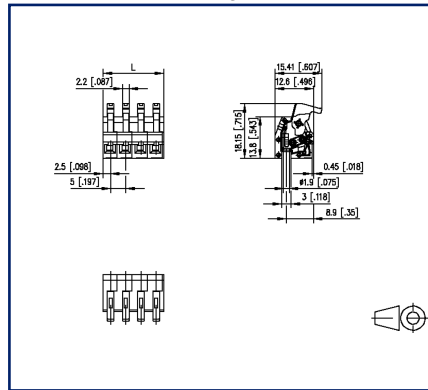
2023/09/26

Version: A

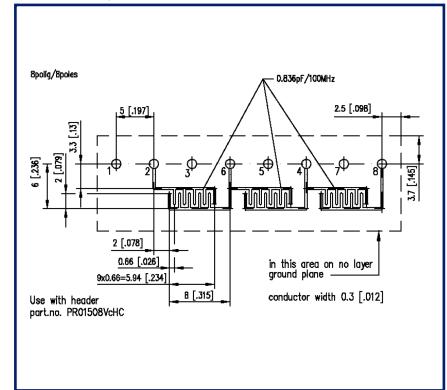
## Illustrations



Dimensional drawing



PCB-Layout



See enlarged drawings at the end of document

## Product specification

- ethernet-capable spring clamp terminal block with eccentric lever, pluggable
- centerline 5.00 mm, direction of connection 90°
- fittable without loss of poles
- color gray, color coding for conductor colors according to TIA568A (white/green/white/orange/white/blue/white/brown)

## Technical Data



### General Data

pole size	8		
Insulating material class	CTI 600		
clearance/creepage dist.	3.7 mm		
Protection category	IP20		
Min. insul. strip length	4 mm		
Rated current	10 A		
Overvoltage category	III	III	II
Pollution degree	2	2	2
Rated voltage	40 V	250 V	250 V
Rated test voltage	1.5 kV	1.5 kV	1.5 kV

### Terminal data

rat.wiring solid AWGmax	0.08 mm <sup>2</sup> - 1.5 mm <sup>2</sup> / AWG 28 - AWG 16		
rat.wiring strand.AWGmax	0.08 mm <sup>2</sup> - 0.75 mm <sup>2</sup> / AWG 28 - AWG 18		

### Approvals

 V / A / AWG	300 / 8 / 28 - 16		
approval UL - File No.	E121004		
 1.5 mm <sup>2</sup>	250 V / 4 kV / 10 A		

### Transmission characteristics

Data transmission according to IEEE 802.3ab	1 GBit/s up to 100 m
Power transmission	PoE, IEEE 802.3af, 15,4 W PoE+, IEEE 802.3at, 30 W 4PPoE, IEEE802.3bt, 90 W
8-pole   Power transmission	PoE, IEEE 802.3af, 15,4 W PoE+, IEEE 802.3at, 30 W 4PPoE, IEEE802.3bt, 90 W

### Material

insulating material	PPA
flammability class	V0
spring material	Spring steel
contact material	CuSn

**Technical Data**

Contact surface	Sn
Glow-Wire Flammability GWFI	850 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
<b>Climatic Data</b>	
upper limit temperature	105 °C
lower limit temperature	-40 °C
<b>general</b>	
Tolerance	ISO 2768 -mH
Note PCB compensation	The PCB compensation is necessary to achieve the specified data transmission specifications

# U | Contact

Data sheet

**SP02508HDNC ASP0250804-004**

Page 4/7

**P/N  
ASP0250804-004**

2023/09/26  
Version: A

## Accessories

P/N	Designation
720036-01-4	Mounting flange gray for type ASP025
720036-02-2	Mounting flange black for type ASP025

# U | Contact

Data sheet

**SP02508HDNC ASP0250804-004**

Page 5/7

**P/N  
ASP0250804-004**

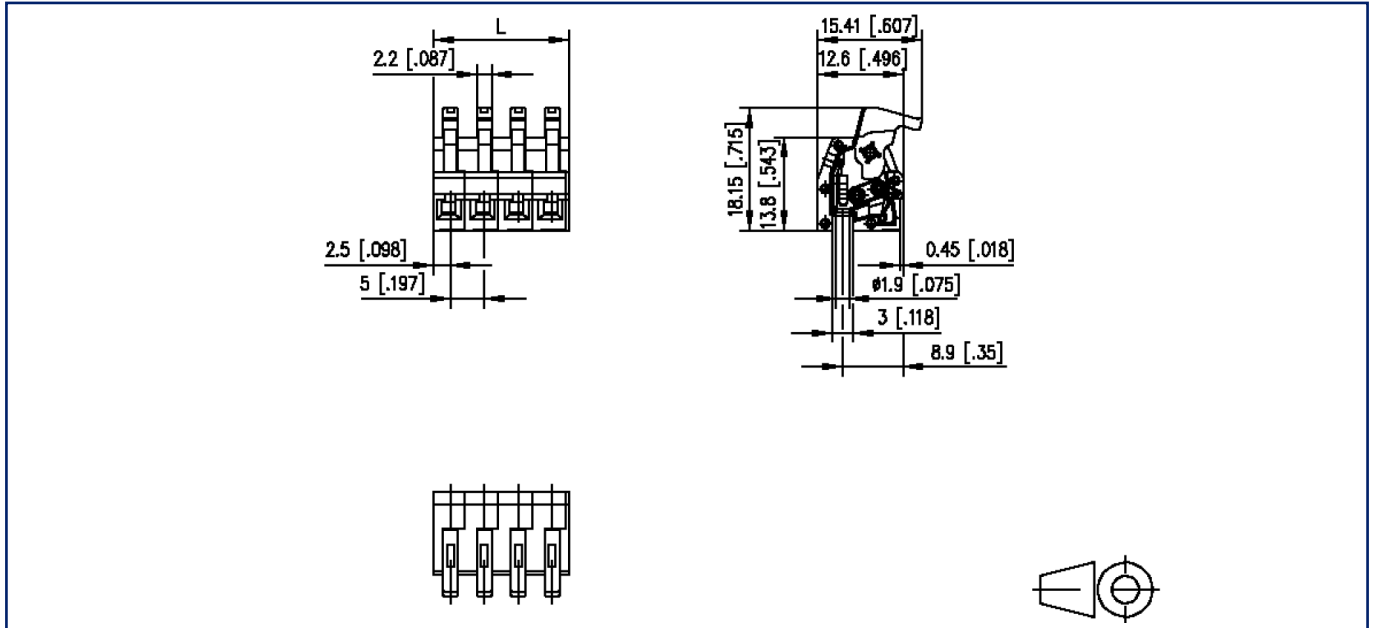
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Version: A

## Counterpart

P/N	Designation
310171	PR015xxVBHC Type 017
310411	PT065xxVBEN Type 041
314171	PM035xxVBHC Type 417

## Illustrations

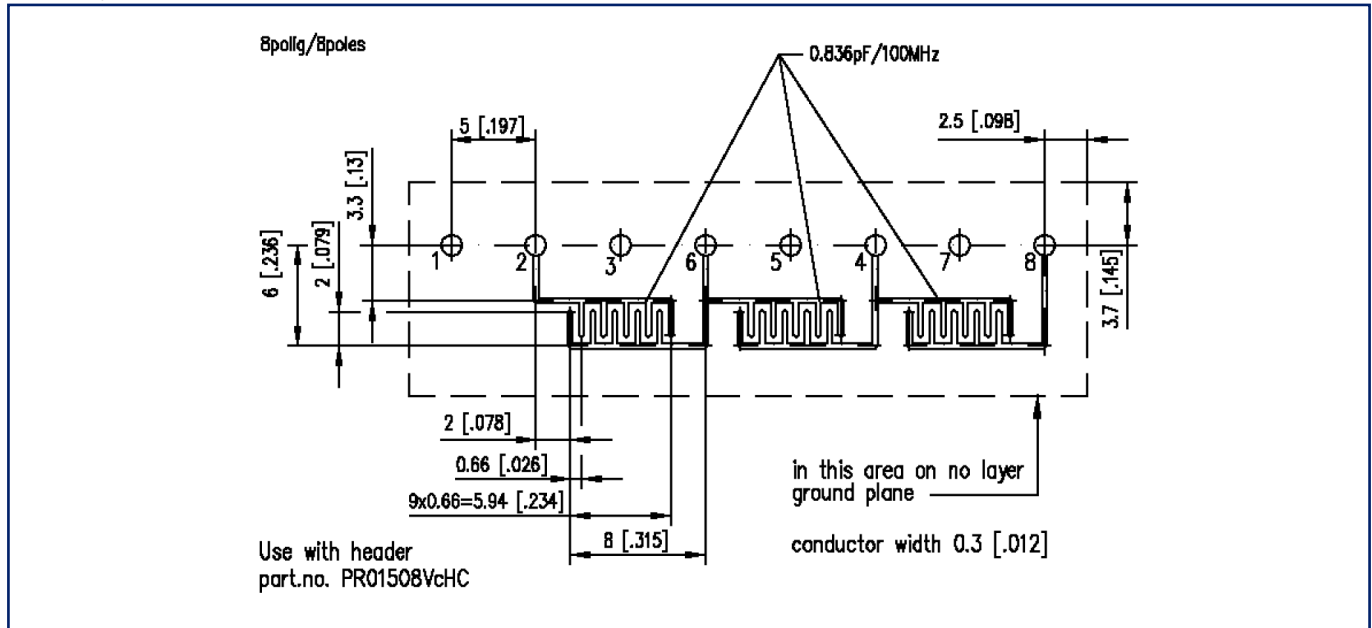
Dimensional drawing



$$L = (\text{pole size} - 1) \times \text{centerline} + 5 \text{ mm } [0.197]$$

**Illustrations**

PCB-Layout



General PCB specifications

- PCB with solder resist
- PCB thickness: 1.5 mm / 2-ply
- Material: FR4
- Dielectric constant: relative permittivity = 4.4
- Copper thickness: 40 µm

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