

Data sheet

SP02504HDNC ASP0250404-004

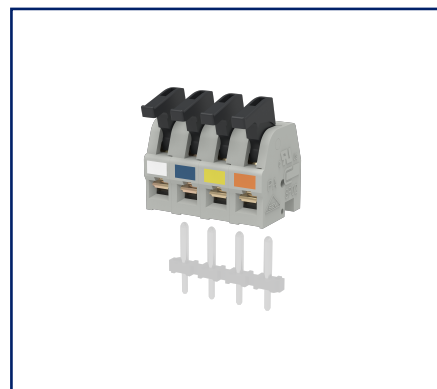
Page 1/7

P/N
ASP0250404-004

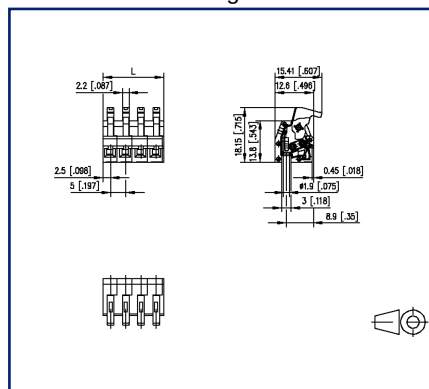
2023/09/26

Version: A

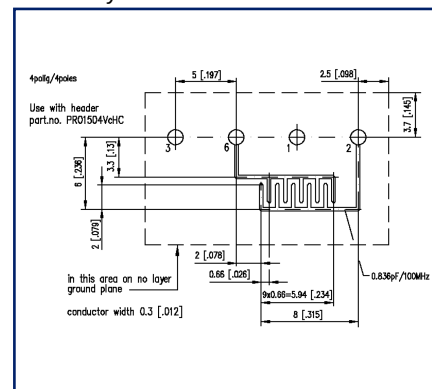
Illustrations



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 PROFINET (white/blue/yellow/orange)

Technical Data

General Data

pole size	4		
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 ² - 1.5 mm ² / AWG 28 - AWG 16
rat.wiring strand.AWGmax	0.08 mm ² - 0.75 mm ² / AWG 28 - AWG 18

Approvals

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

Transmission characteristics

Data transmission according to IEEE 802.3i/u/y	10/100 MBit/s up to 100 m
Power transmission	PoE, IEEE 802.3af, 15,4 W PoE+, IEEE 802.3at, 30 W

Material

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

Climatic Data

U | Contact

Data sheet

Page 3/7

SP02504HDNC ASP0250404-004**P/N**
ASP0250404-004

2023/09/26

Version: A

Technical Data

upper limit temperature	105 °C
-------------------------	--------

lower limit temperature	-40 °C
-------------------------	--------

general

Tolerance	ISO 2768 -mH
-----------	--------------

Note PCB compensation	The PCB compensation is necessary to achieve the specified data transmission specifications
-----------------------	---



U | Contact

Data sheet

SP02504HDNC ASP0250404-004

Page 4/7

P/N
ASP0250404-004

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

Page 5/7

SP02504HDNC ASP0250404-004**P/N**
ASP0250404-004

2023/09/26

Version: A

Counterpart

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

U | Contact

Data sheet

SP02504HDNC ASP0250404-004

Page 6/7

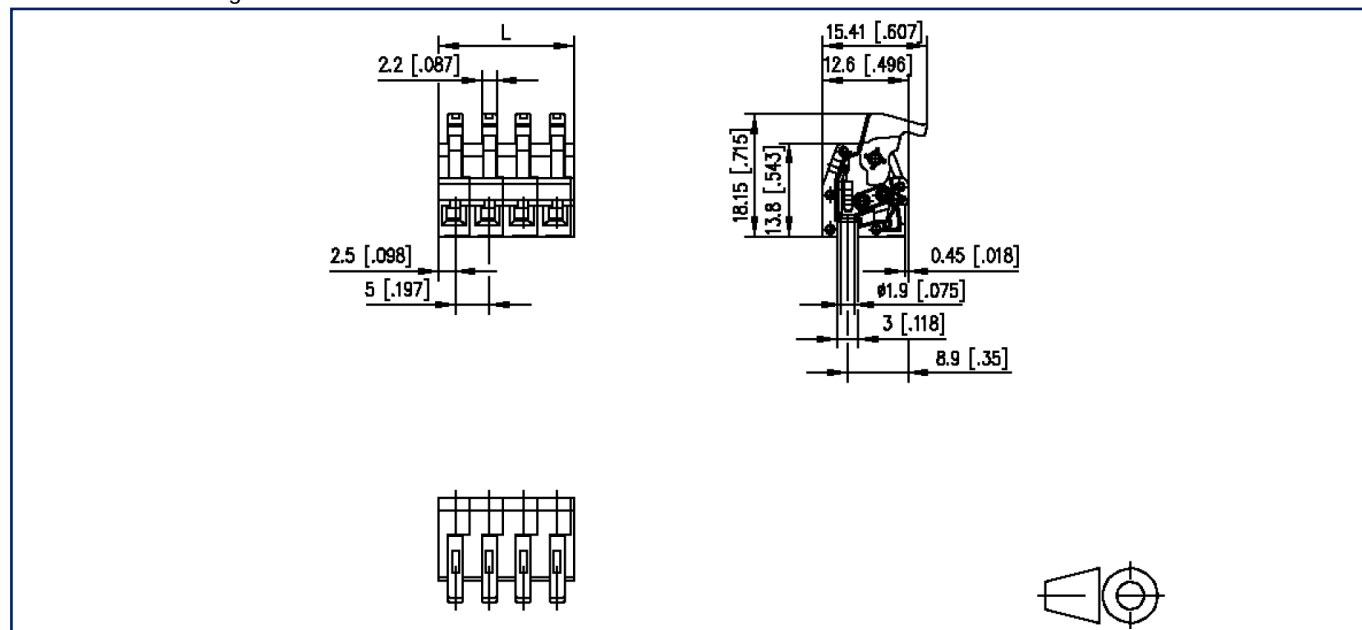
P/N
ASP0250404-004

2023/09/26

Version: A

Illustrations

Dimensional drawing

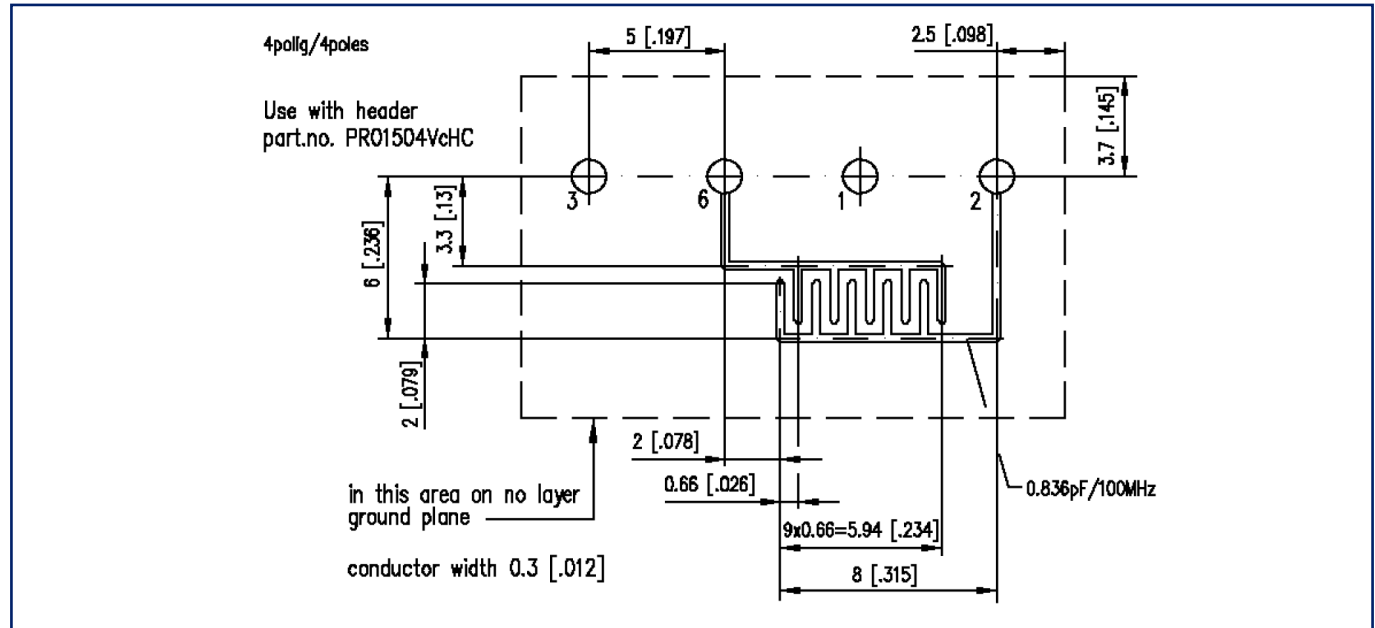


$L = (\text{pole size} - 1) \times \text{centerline} + 5 \text{ mm } [0.197]$



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