

Data sheet

PT06509VBEN (Type 041), 9-pole

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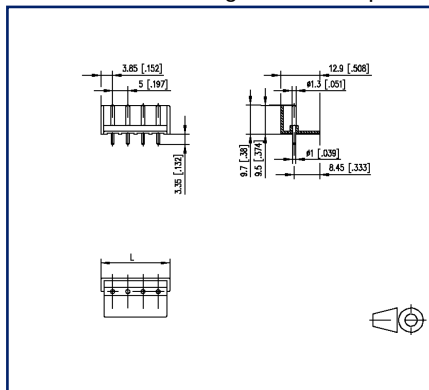
P/N
31041109

2026/09/07

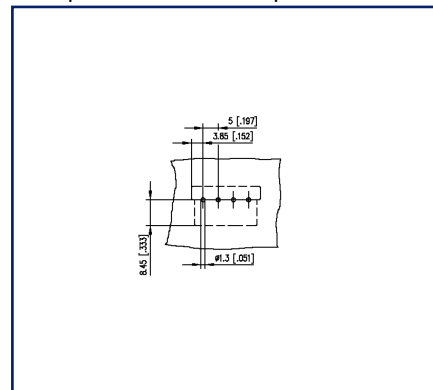
Illustrations



Dimensional drawing as an example



Drill pattern as an example



See enlarged drawings at the end of document

Product specification

- pin header, solderable
- centerline 5.00 mm, direction of connection vertical 0°
- open ends, guiding ribs
- color black



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Technical Data

General Data

Solder pin length	3.35 mm		
pole size	9		
Insulating material class	CTI 600		
clearance/creepage dist.	3.7 mm		
Protection category	IP00		
Rated current	10 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	250 V	630 V	630 V
Rated test voltage	4 kV	4 kV	4 kV

Approvals

 V / A	300 / 15
approval UL - File No.	E121004
	250 V / 4 kV / 10 A / 1.0 mm

Material

insulating material	PA66
flammability class	V0
contact pin material	CuZnPb
contact pin surface	Ni + Ag
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13

Climatic Data

upper limit temperature	105 °C
lower limit temperature	-40 °C

general

Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s

Application note

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Technical Data

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.



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Counterpart of

P/N	Designation
31007109	RP02509IBWC (Typ 007), 9-pole
31107109	RP02509HBWC Type 107



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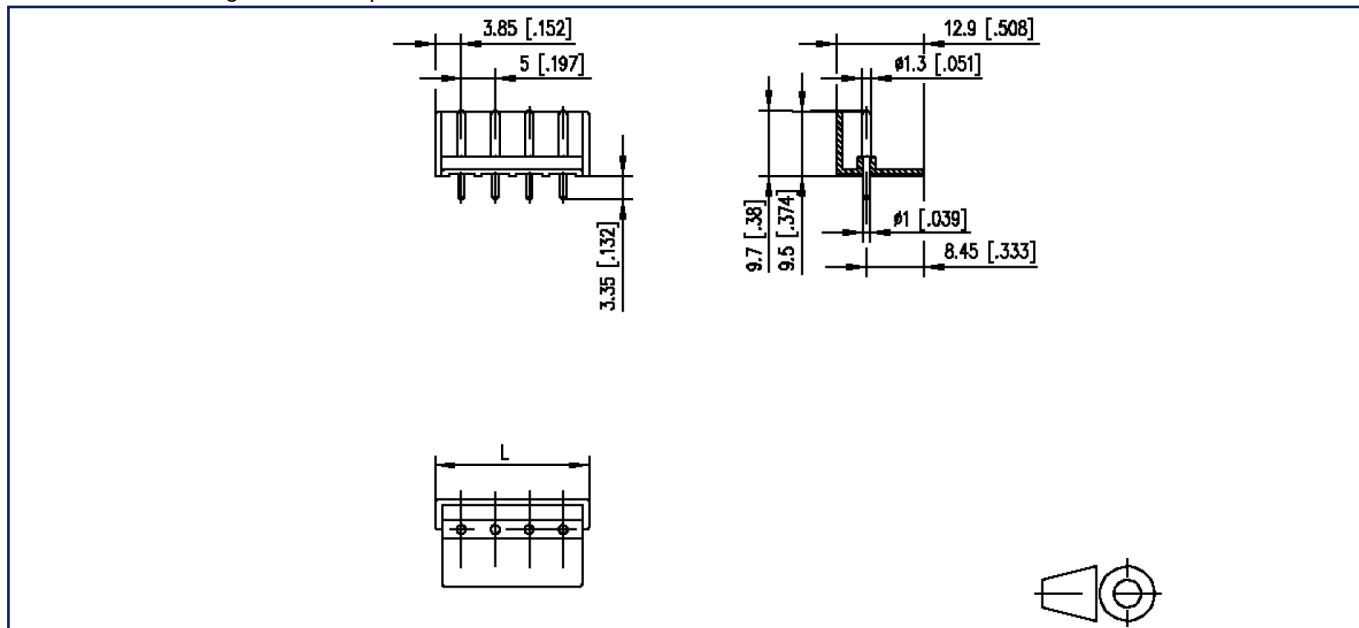
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Illustrations

Dimensional drawing as an example



$L = (\text{pole size} - 1) \times \text{centerline} + 7.7 \text{ mm} [0.303]$



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Illustrations

Drill pattern as an example

