eCOM pluggable PCB connector with straight solder pins; with gripping plate; 6-pole; Pin spacing 3.5 mm / 0.138 in

Item No.: 2091-1156

Marking

RoHS ✓
Compliant

Business data

Supplier	*WAGO*
Item no.	*2091-1156*
GTIN / EAN	*4050821162360*
Content	*1*

Notes

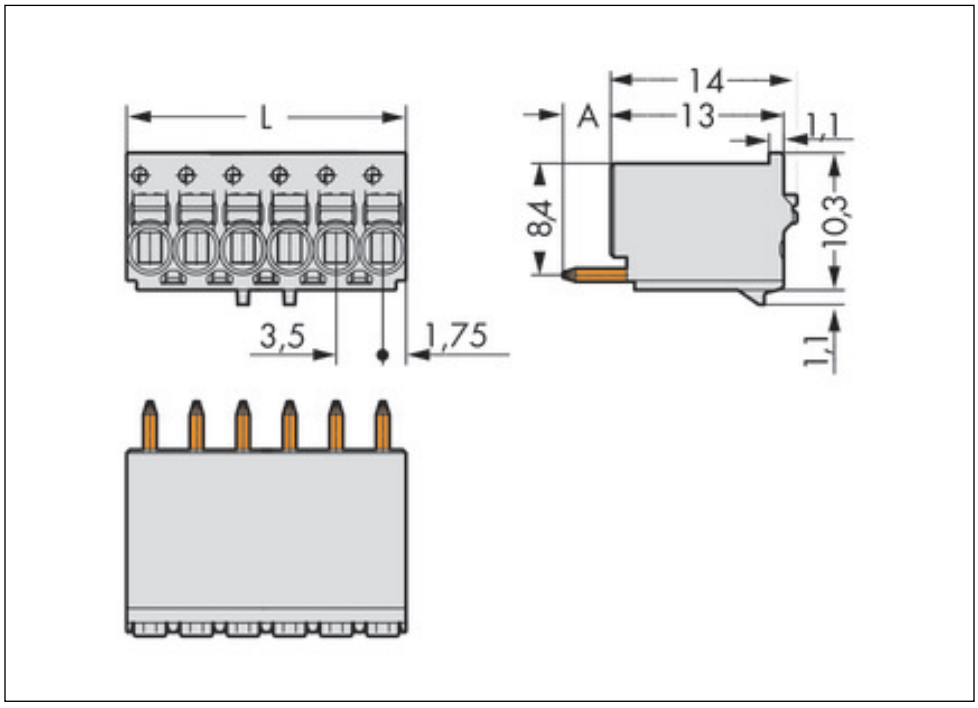
Item description:Universal connection for all conductor typesSimple, push-in termination of solid and ferruled conductorsEasy-to-use design does not require special toolsAbility to wire while mated or unmatedIntegrated test ports for testing parallel to conductor entryCustom-installed solder pinsSafety information 1: The picoMAX® pluggable connection system is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Technical data

Technical data	
Ratings per	*IEC/EN 60664-1*
Rated voltage (III / 3) [V]	*160 [V]*
Rated impulse voltage (III / 3) [kV]	*2.5 [kV]*
Rated voltage (III/2) [V]	*160 [V]*
Rated impulse voltage (III / 2) [kV]	*2.5 [kV]*
Rated voltage (II / 2) [V]	*320 [V]*
Rated impulse voltage (II / 2) [kV]	*2.5 [kV]*
Rated current [A]	*10 [A]*
Legend (ratings)	*(III / 2) Overvoltage category III / Pollution degree 2*
No. of poles	*6*
Total number of connection points	*6*
Total number of potentials	*6*
Number of connection types	*1*
Number of levels	*1*
Connection technology	*Push-in CAGE CLAMP®*
Actuation type	*Operating lever*
Solid conductor	*0.2 … 1.5 mm² / 24 … 14 AWG*
Fine-stranded conductor	*0.2 … 1.5 mm² / 24 … 14 AWG*
Fine-stranded conductor with ferrule with plastic collar	*0.25 … 0.75 mm²*
Fine-stranded conductor with ferrule without plastic collar	*0.25 … 1.5 mm²*
Strip length	*8 … 9 mm / 0.31 … 0.35 Inch*
Conductor entry angle to the PCB [°]	*90 [°]*
Pin spacing	*3.5 mm (0.138 in)*
Width	*21 mm / 0.827 Inch*
Height	*33 mm / 1.299 Inch*
Depth	*11.4 mm / 0.449 Inch*
Solder pin length [mm]	*3.6 [mm]*
Solder pin diameter [mm]	*1 [mm]*
Drilled hole diameter (tolerance) [mm]	*1.2(+ 0.1) [mm]*
Contact type (pluggable connector)	*Female connector/socket*
Connector connection type	*for PCBs*
Mismating protection	*nein*
Mating direction to the PCB [°]	*90 [°]*
PCB contact	*THT*

Technical data	
Color	*light gray*
Material group	*I*
Insulating material	*Polyphtalamide (PPA GF)*
Flammability class per UL94	*V0*
Clamping spring material	*Chrome nickel spring steel (CrNi)*
Contact material	*Electrolytic copper (Ecu)*
Contact plating	*tin-plated*
Fire load [MJ]	*0.069 [MJ]*
Weight [g]	*3.377 [g]*
Limit temperature range	*-60 … 100 °C*
Pin spacing from [in]	*0.138 [in]*
Pin spacing from [mm]	*3.5 [mm]*
Contact type	*Female connector/socket; for PCBs*
Product Family	*picoMAX eCOM*
Main product function	*Female connector/socket*
Product type	*Pluggable PCB connectors*

Images & drawings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14
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13
1,1
8,4
10,3
3,5
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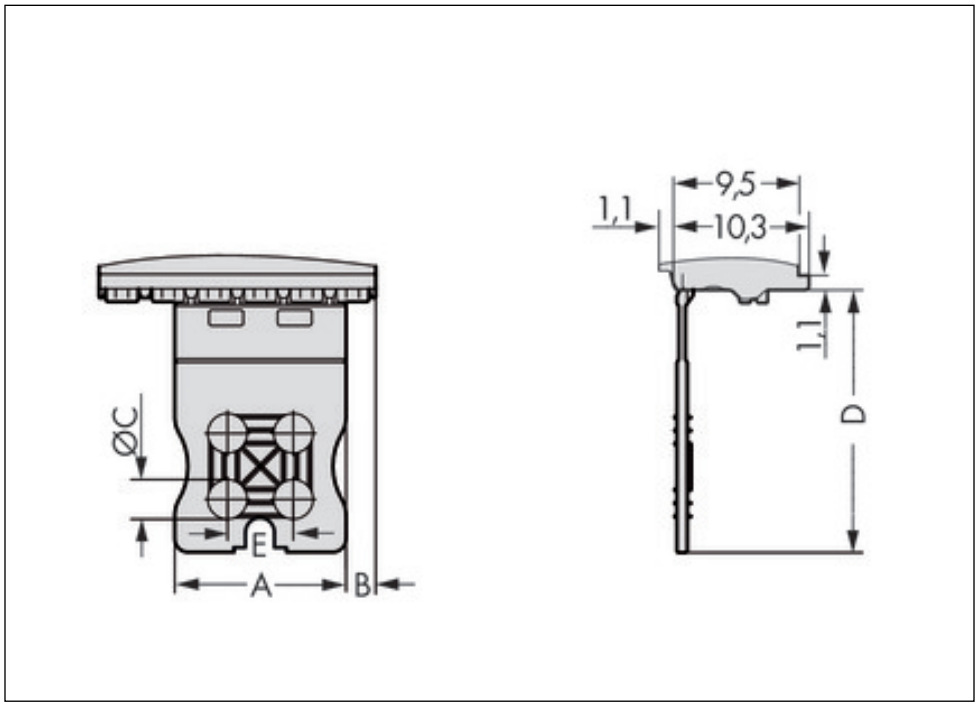
9,5
1,1
10,3
1,1
D
ØC
E
A
B

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