



eCOM pluggable PCB connector with straight solder pins; without gripping plate; 4-pole; Pin spacing 3.5 mm / 0.138 in

Item No.: 2091-1174



Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	2091-1174
GTIN / EAN	4050821162421
Content	1

Notes

Item description: Universal connection for all conductor types Simple, push-in termination of solid and ferruled conductors Easy-to-use design does not require special tools Ability to wire while mated or unmated Integrated test ports for testing parallel to conductor entry Custom-installed solder pins
Safety 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

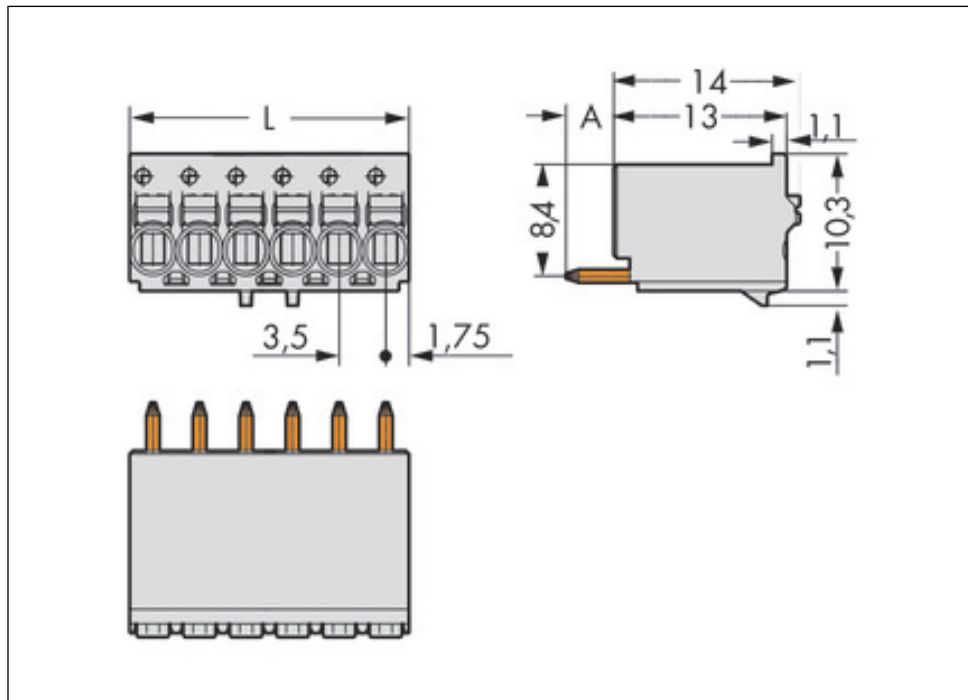
Miscellaneous

Technical data	
<i>Ratings per</i>	<i>IEC/EN 60664-1</i>
<i>Rated voltage (III / 3) [V]</i>	<i>160 [V]</i>
<i>Rated impulse voltage (III / 3) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated voltage (III/2) [V]</i>	<i>160 [V]</i>
<i>Rated impulse voltage (III / 2) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated voltage (II / 2) [V]</i>	<i>320 [V]</i>
<i>Rated impulse voltage (II / 2) [kV]</i>	<i>2.5 [kV]</i>
<i>Rated current [A]</i>	<i>10 [A]</i>
<i>Legend (ratings)</i>	<i>(III / 2) Overvoltage category III / Pollution degree 2</i>
<i>No. of poles</i>	<i>4</i>
<i>Total number of connection points</i>	<i>4</i>
<i>Total number of potentials</i>	<i>4</i>
<i>Number of connection types</i>	<i>1</i>
<i>Number of levels</i>	<i>1</i>
<i>Connection technology</i>	<i>Push-in CAGE CLAMP®</i>
<i>Actuation type</i>	<i>Operating lever</i>
<i>Solid conductor</i>	<i>0.2 ... 1.5 mm² / 24 ... 14 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.2 ... 1.5 mm² / 24 ... 14 AWG</i>
<i>Fine-stranded conductor with ferrule with plastic collar</i>	<i>0.25 ... 0.75 mm²</i>
<i>Fine-stranded conductor with ferrule without plastic collar</i>	<i>0.25 ... 1.5 mm²</i>
<i>Strip length</i>	<i>8 ... 9 mm / 0.31 ... 0.35 Inch</i>
<i>Conductor entry angle to the PCB [°]</i>	<i>90 [°]</i>
<i>Pin spacing</i>	<i>3.5 mm (0.138 in)</i>
<i>Width</i>	<i>14 mm / 0.551 Inch</i>
<i>Height</i>	<i>14 mm / 0.551 Inch</i>
<i>Depth</i>	<i>11.4 mm / 0.449 Inch</i>
<i>Solder pin length [mm]</i>	<i>3.6 [mm]</i>
<i>Solder pin diameter [mm]</i>	<i>1 [mm]</i>
<i>Drilled hole diameter (tolerance) [mm]</i>	<i>1.2(+ 0.1) [mm]</i>
<i>Contact type (pluggable connector)</i>	<i>Female connector/socket</i>
<i>Connector connection type</i>	<i>for PCBs</i>
<i>Mismating protection</i>	<i>nein</i>
<i>Mating direction to the PCB [°]</i>	<i>90 [°]</i>

Technical data	
PCB contact	THT
Color	light gray
Material group	I
Insulating material	Polyphthalamide (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]	0.044 [MJ]
Weight [g]	2.163 [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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Technische Änderungen und Irrtümer vorbehalten.