



Male header with straight solder pins; 5-pole; Pin spacing 3.5 mm / 0.138 in

Item No.: 2091-1405



Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	2091-1405
GTIN / EAN	4050821161028
Content	1

Notes

Item description: Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header Coding pins inserted into the header interface prevent mismatching, allowing subsequent coding in panel feedthrough applications The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g 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

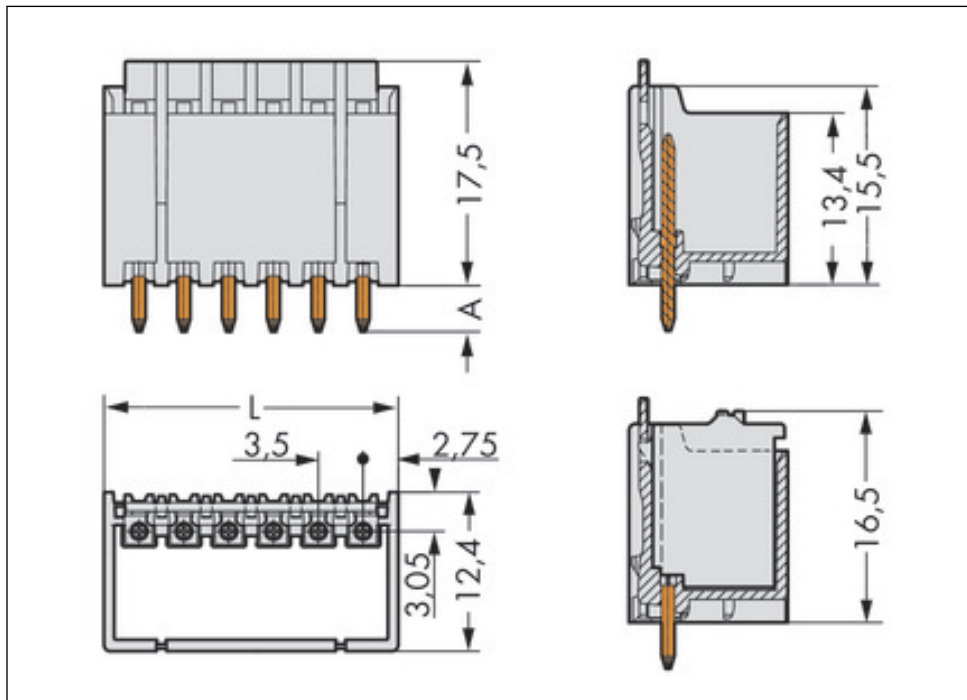
Miscellaneous

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>5</i>
<i>Number of levels</i>	<i>1</i>
<i>Pin spacing</i>	<i>3.5 mm (0.138 in)</i>
<i>Width</i>	<i>19.5 mm / 0.768 Inch</i>
<i>Height</i>	<i>21.1 mm / 0.831 Inch</i>
<i>Height from the surface</i>	<i>17.5 mm / 0.689 Inch</i>
<i>Depth</i>	<i>12.4 mm / 0.488 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>Male connector/plug</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>
<i>Locking of plug-in connection</i>	<i>Male locking latch</i>
<i>PCB contact</i>	<i>THT</i>
<i>Color</i>	<i>light gray</i>
<i>Material group</i>	<i>I</i>
<i>Insulating material</i>	<i>Polyphthalamide (PPA GF)</i>
<i>Flammability class per UL94</i>	<i>V0</i>
<i>Contact material</i>	<i>Electrolytic copper (Ecu)</i>
<i>Contact plating</i>	<i>tin-plated</i>
<i>Fire load [MJ]</i>	<i>0.038 [MJ]</i>
<i>Weight [g]</i>	<i>1.83 [g]</i>

Technical data	
<i>Limit temperature range</i>	<i>-60 ... 100 °C</i>
<i>Pin spacing from [in]</i>	<i>0.138 [in]</i>
<i>Pin spacing from [mm]</i>	<i>3.5 [mm]</i>
<i>Contact type</i>	<i>Male connector/plug; for PCBs</i>
<i>Product Family</i>	<i>picoMAX®</i>
<i>Main product function</i>	<i>Male connector/plug</i>
<i>Product type</i>	<i>Pluggable PCB connectors</i>

Images & drawings





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Technische Änderungen und Irrtümer vorbehalten.