



**Male header (for PCBs); Straight solder pin 0.8 x 0.8 mm; 6 x 2-pole; Pin spacing 3.5 mm / 0.138 in; 100% protected against mismating; 2 rows; Vertical PCB mounting**

Item No.: 713-1406



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Marking

RoHS ✓  
Compliant

Business data

Supplier	WAGO
Item no.	713-1406
GTIN / EAN	4045454700010
Content	1

Notes

Item description:Header housing is molded of THR-compatible insulation material for lead-free Reflow solderingSeparated pin slots prevent damage and make the headers touch-proof when unplugged100% protected against mismatingCoding option availableSafety information 1: The MULTI CONNECTION SYSTEM (MCS) 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

Printview: Male header (for PCBs); Straight solder pin 0.8 x 0.8 mm; 6 x 2-pole; Pin spacing 3.5 mm / 0.138 in; 100% protected against mismatching; 2 rows; Vertical PCB mounting - Item No.: 713-1406

Technical data	
<i>Other versions (or variants) can be requested</i>	<i>Other pole numbers</i>
<i>Ratings per</i>	<i>IEC/EN 60664-1</i>
<i>Rated voltage (III / 3) [V]</i>	<i>80 [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>250 [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>Approvals per</i>	<i>UL 1059</i>
<i>Rated voltage UL (Use Group B) [V]</i>	<i>150 [V]</i>
<i>Rated current UL (Use Group B) [A]</i>	<i>10 [A]</i>
<i>Rated voltage UL (Use Group C) [V]</i>	<i>50 [V]</i>
<i>Rated current UL (Use Group C) [A]</i>	<i>10 [A]</i>
<i>Rated voltage CSA (Use Group B) [V]</i>	<i>150 [V]</i>
<i>Rated current CSA (Use Group B) [A]</i>	<i>12 [A]</i>
<i>No. of poles</i>	<i>12</i>
<i>Number of levels</i>	<i>2</i>
<i>Pin spacing</i>	<i>3.5 mm (0.138 in)</i>
<i>Width</i>	<i>22.5 mm / 0.886 Inch</i>
<i>Height</i>	<i>17.3 mm / 0.681 Inch</i>
<i>Height from the surface</i>	<i>13.5 mm / 0.531 Inch</i>
<i>Depth</i>	<i>13.3 mm / 0.524 Inch</i>
<i>Solder pin length [mm]</i>	<i>3.8 [mm]</i>
<i>Solder pin dimensions</i>	<i>0.8 x 0.8 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>Mismatching protection</i>	<i>ja</i>
<i>Mating direction to the PCB [°]</i>	<i>90 [°]</i>
<i>PCB contact</i>	<i>THT</i>

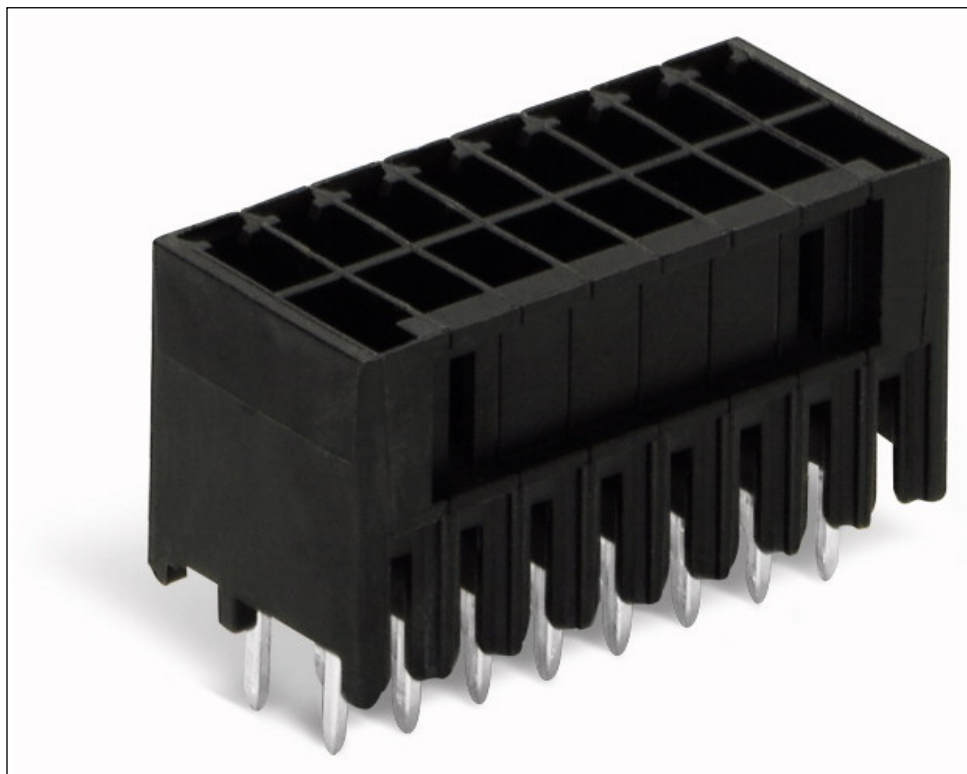
Printview: Male header (for PCBs); Straight solder pin 0.8 x 0.8 mm; 6 x 2-pole; Pin spacing 3.5 mm / 0.138 in; 100% protected against mismatching; 2 rows; Vertical PCB mounting - Item No.: 713-1406

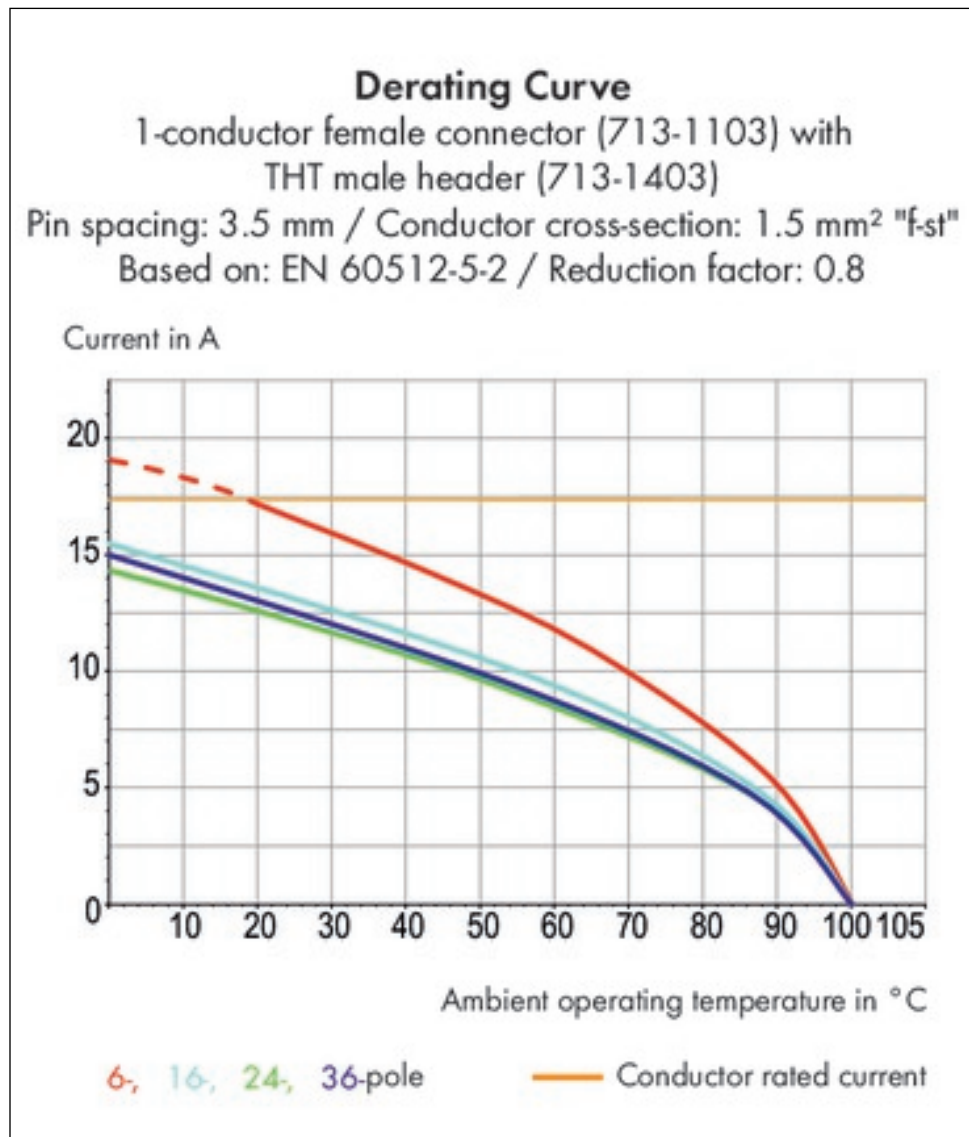
Technical data	
<i>Solder pin arrangement</i>	<i>over the entire male connector, in line</i>
<i>Number of solder pins per potential</i>	<i>1</i>
<i>Color</i>	<i>black</i>
<i>Material group</i>	<i>I</i>
<i>Insulating material</i>	<i>Polyphtalamide (PPA GF)</i>
<i>Flammability class per UL94</i>	<i>V0</i>
<i>Contact material</i>	<i>Electrolytic copper (Ecu)</i>
<i>Contact plating</i>	<i>tin-plated</i>
<i>Fire load [MJ]</i>	<i>0.069 [MJ]</i>
<i>Weight [g]</i>	<i>3.274 [g]</i>
<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>MCS MINI HD</i>
<i>Main product function</i>	<i>Male connector/plug</i>
<i>Product type</i>	<i>Pluggable PCB connectors</i>

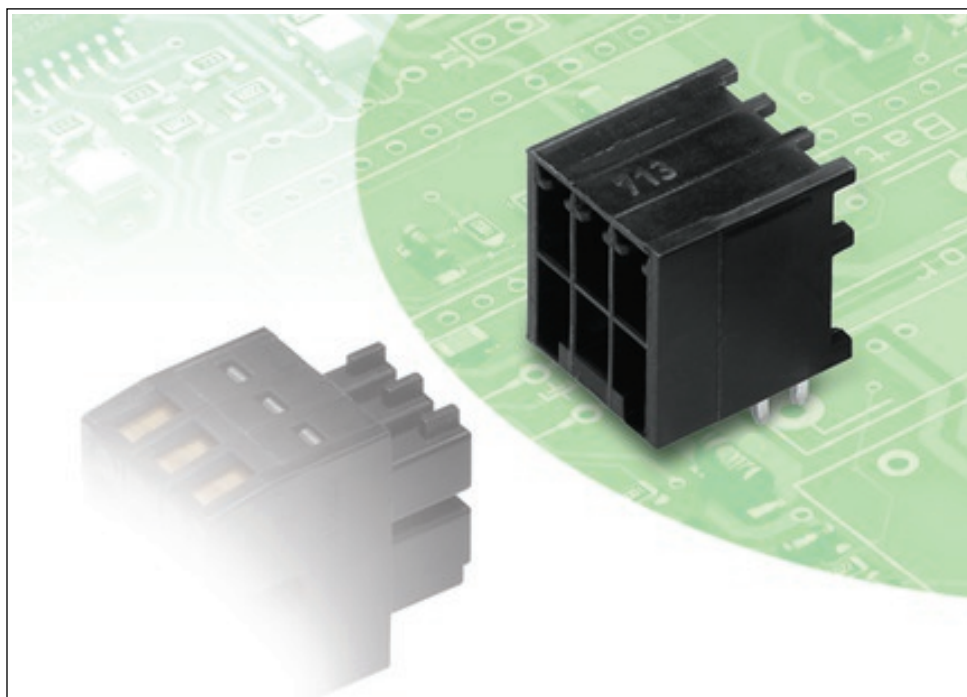
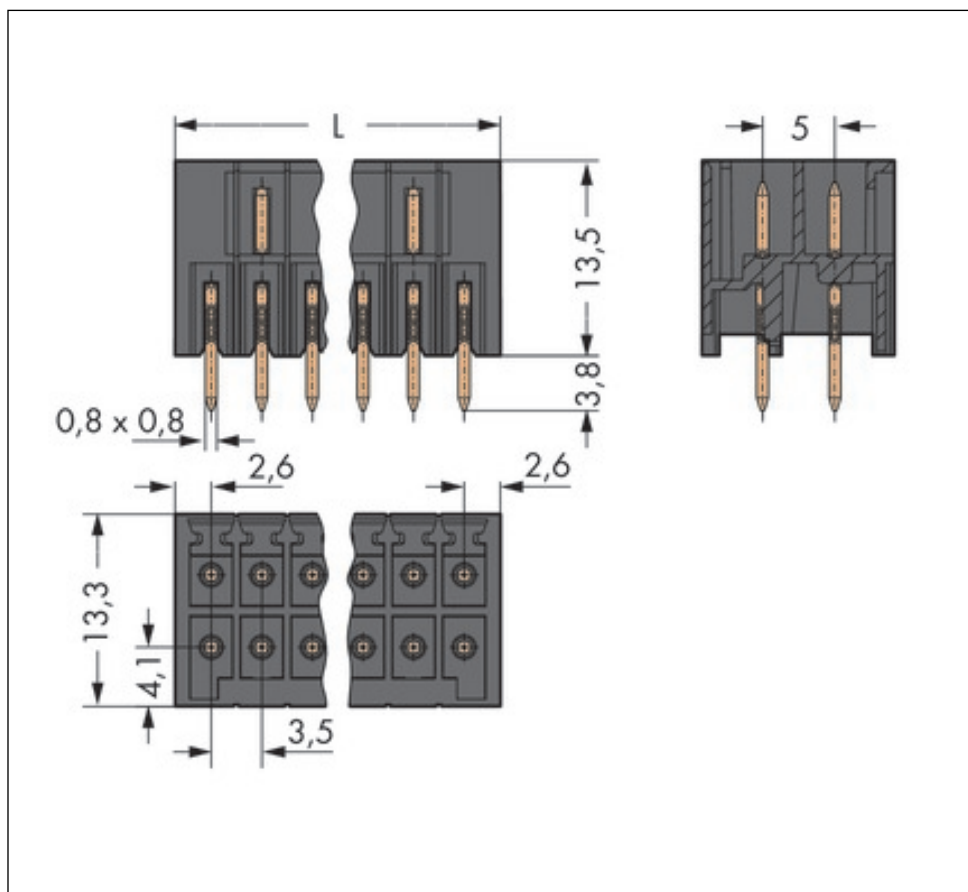
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#### Images & drawings







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Technische Änderungen und Irrtümer vorbehalten.