

## Data sheet | Item number: 734-239/105-604

THR male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 9-pole

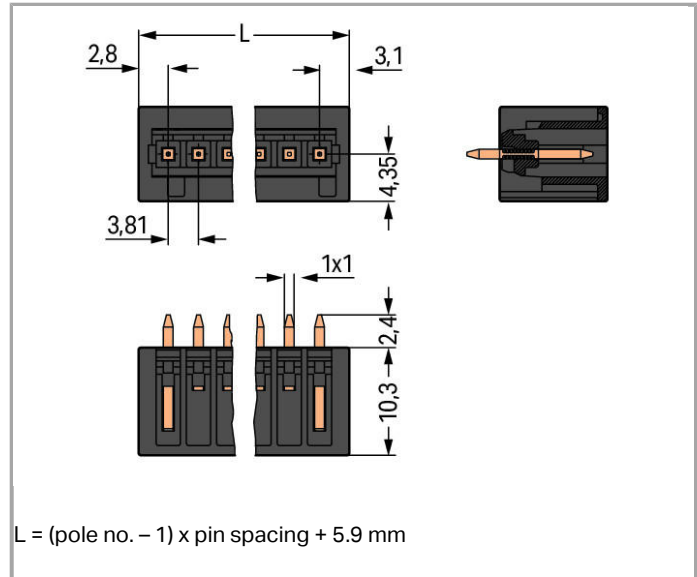


[www.wago.com/734-239/105-604](http://www.wago.com/734-239/105-604)



RoHS Compliant

Color:



### Item description

- THR male headers for reflow soldering in SMT applications
- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 100% protected against mismatching
- Coding via coding fingers

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Gold-plated or partially gold-plated contact surfaces, Other pole numbers, Other solder pin lengths

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V



Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

### Connection data

No. of poles	9
Total number of potentials	9
Number of levels	1

### Geometrical Data

Pin spacing	3.81 mm (0.15 inch)
Width	36.38 mm / 1.432 inch
Height	12.7 mm / 0.5 inch
Height from the surface	10.3 mm / 0.406 inch
Depth	8.5 mm / 0.335 inch
Solder pin length	2.4 mm
Solder pin dimensions	1 x 1 mm
Plated through-hole diameter (THR)	1.4 <sup>(+0.1)</sup> mm

### Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	Yes
Mating direction to the PCB	90°

### PCB contact

PCB contact	THR
Solder pin arrangement	over the entire male connector, in line
Number of solder pins per potential	1

### Material Data

Color	black
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	tin-plated

Fire load	0.047 MJ
Weight	2.452 g

### Environmental Requirements



Limit temperature range	-60 ... +100 °C
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### Commercial data



Country of origin	DE
GTIN	4045454792039
Customs Tariff No.	85366990990
Product Group	3 (Multi Conn. System)

### Approvals / Certificates

#### Country specific Approvals

Logo	Approval	Certificate name
	CSA DEKRA Certification B.V.	1465035
	CSA DEKRA Certification B.V.	1465035

### Compatible products

Coding		
	Item no.: 734-130 Coding key; to be snapped above top level	<a href="http://www.wago.com/734-130">www.wago.com/734-130</a>
	Item no.: 734-159 Coding key; to be snapped above top level	<a href="http://www.wago.com/734-159">www.wago.com/734-159</a>

### Downloads

#### smartDATA

#### PCB libraries

EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)	2.1 Nov 17, 2017	ZIP 6.2 MB	Download
Compatible with EAGLE PCB Design Software Version 6.x or higher			
DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM)	2.1 Oct 6, 2014	ZIP 6.1 MB	Download
Compatible with DesignSpark PCB Version 4.x or higher			

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TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System)

1.1.0

ZIP

Download

Compatible with TARGET PCB Design Software Version 17.x

Oct 6, 2014

7.4 MB

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Subject to changes.

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.