Male header with straight solder pins; 12-pole; Pin spacing 3.5 mm / 0.138 in

Item No.: 2091-1412

Marking

RoHS ✓
Compliant

Business data

Supplier	*WAGO*
Item no.	*2091-1412*
GTIN / EAN	*4050821161066*
Content	*1*

Notes

Item description:Assembly of female connectors without loss of poles, allowing different functions to be divided within one male headerCoding pins inserted into the header interface prevent mismating, allowing subsequent coding in panel feedthrough applicationsThe female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 gSafety 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.
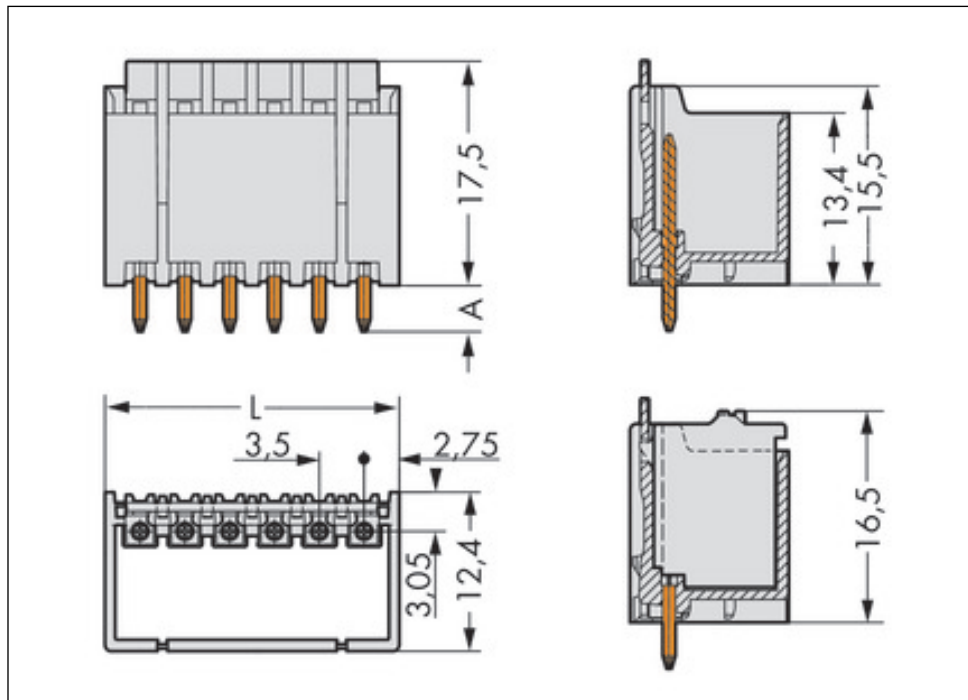
Technical data

Miscellaneous

Technical data

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	12
Number of levels	1
Pin spacing	3.5 mm (0.138 in)
Width	44 mm / 1.732 Inch
Height	21.1 mm / 0.831 Inch
Height from the surface	17.5 mm / 0.689 Inch
Depth	12.4 mm / 0.488 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)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	nein
Mating direction to the PCB [°]	90 [°]
Locking of plug-in connection	Male locking latch
PCB contact	THT
Color	light gray
Material group	I
Insulating material	Polyphtalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (Ecu)
Contact plating	tin-plated
Fire load [MJ]	0.077 [MJ]
Weight [g]	3.87 [g]

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

WAGO Kontakttechnik GmbH & Co. KG

Images & drawings

Address

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Telefon: 0571/887-0

Fax: 0571/887-169

http://www.wago.com

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Technische Änderungen und Irrtümer vorbehalten.