



PushPull Signal 10-pole solder jack



General information

Design	PushPull Signal connector acc. to IEC/PAS 61076-3-119		
No. of contacts	10-pole		
Contact pitch	3 mm / 2.4 mm		
Test voltage	contact - contact: 1500 V	contact - shell: 1500 V	
Rated voltage	50 V	overvoltage category II / pollution degree 2	
Contact resistance	max. 10m Ohm		
Insulation resistance	min. 10 ⁹ Ohm		
Working current	2.5 A at 70° C (see derating diagram)		
Temperature range	-40° C ... +85° C		
Mating cycles	500		
Termination technology	THT soldering / reflow compatible		
Reflow processing temperature	max. 30 sec. at 245° C		
Clearance & creepage distance	clearance: min. 1.4 mm	creepage: min. 1.4 mm	
Insertion force	50 N		
Withdrawal force	50 N		
Hot plugging	No		
Vibration	10-500 Hz; 0.35 mm / 5 g; 10 sweep cycles		
Shock	50 g / 11 ms; 10 shocks per axis and direction		
RoHS - compliant	Yes		
UL file	pending		

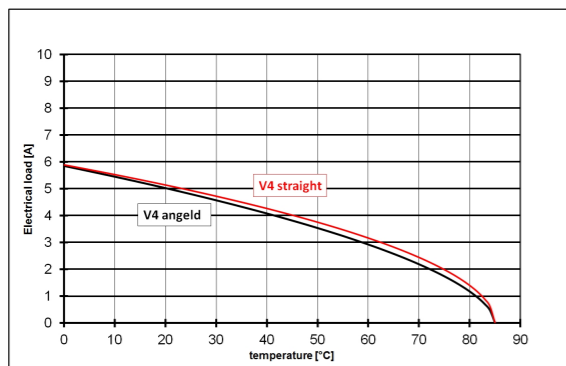
Insulator material

Material	PA (Polyamid)
Color	black
UL classification	UL 94-V0
Material group acc. to IEC 60664-1	I (600 < CTI)
NFF classification	-

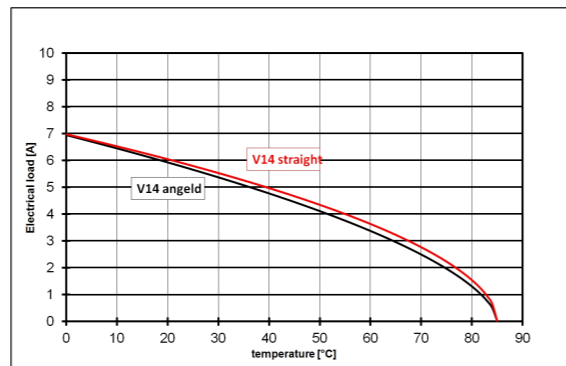
Contact material

Contact material	Copper alloy
Plating termination zone	Sn over Ni
Plating contact zone	Au over PdNi over Ni

Derating diagram acc. to IEC 60512-5-2 (Current carrying capacity)



tested with 0.5mm²



tested with 0.75mm²

The current carrying capacity is limited by maximum temperature of materials for inserts and contacts including terminals.

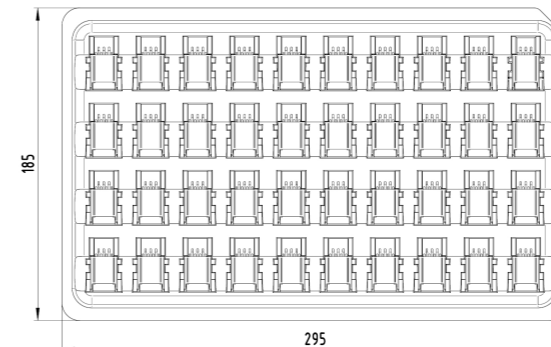
The current capacity curve is valid for continuous, non interrupted current loaded contacts of connectors when simultaneous power on all contacts is given, without exceeding the maximum temperature.

Control and test procedures acc. to IEC 60512-5-2

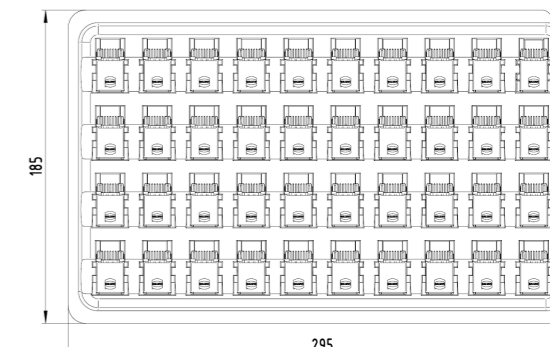
Packaging

quotation	40 pieces per tray
dimension	185 x 295

Tray for V4/V14 angled



Tray for V4/V14 straight



Overview solder jack to receptacle housing

Solder jack	Part No.	Usable housing	Part No.
Han® PushPull Signal solder jack angled	09350026001	Han® PushPull V14 receptacle housing Metal Plastic	09350020303 09350020323
Han® PushPull Signal solder jack straight	09350026002	Han® PushPull V14 receptacle housing Metal Plastic	09350020303 09350020323
HARTING PushPull Signal solder jack angled	09455459011	HARTING PushPull V4 receptacle housing with fixing clip plastic without fixing clip plastic	09455450029 09455450033
HARTING PushPull Signal solder jack straight	09455459012	HARTING PushPull V4 receptacle housing vertical without fixing clip	09455450027



All Dimensions in mm
Original Size DIN A3

Scale
1:1

Free size tol.

Ref.

Sub. DS 09450000901 2014-07-16 500000076911



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Department EC PD - DE

Created by
HASELOH

Inspected by
LUETTERMANN

Standardisation
HOFFMANN

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Final Release

Title
PushPull Signal 10-pole solder jack

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HARTING Electronics GmbH
D-32339 Espelkamp

Type
DS

Number
09450000901

Rev. C

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