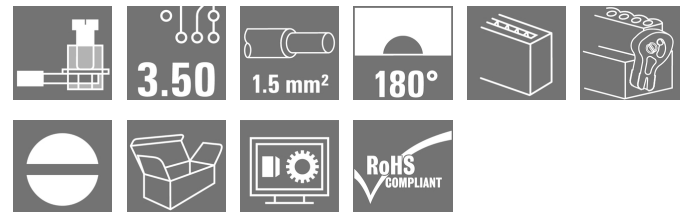


OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Product image



Similar to illustration

Female connectors with clamping yoke screw system for connecting conductors at 3.50 mm pitch. They provide space for labelling and can be coded.

General ordering data

Type	BL 3.50/02/180LH SN OR BX
Order No.	1687650000
Version	PCB plug-in connector, female plug, 3.50 mm, Number of poles: 2, 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm², Box
GTIN (EAN)	4008190853204
Qty.	132 pc(s).
Product data	IEC: 320 V / 17 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 28 - AWG 14
Packaging	Box

Creation date May 3, 2020 2:17:19 PM CEST

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Technical data**Dimensions and weights**

Width	13.5 mm	Width (inches)	0.531 inch
Height	14.9 mm	Height (inches)	0.587 inch
Depth	29.5 mm	Depth (inches)	1.161 inch
Net weight	1.985 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 3.50	Type of connection	Field connection
Wire connection method	Clamping yoke connection	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	Conductor outlet direction	180°
Number of poles	2	L1 in mm	3.5 mm
L1 in inches	0.138 inch	Number of rows	1
Pin series quantity	1	Rated cross-section	1.5 mm ²
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Volume resistance	≤ 5mΩ	Can be coded	Yes
Stripping length	6 mm	Tightening torque, min.	0.2 Nm
Tightening torque, max.	0.25 Nm	Clamping screw	M 2
Screwdriver blade	0.4 x 2.5	Screwdriver blade standard	DIN 5264
Plugging cycles	25	Plugging force/pole, max.	7 N
Pulling force/pole, max.	5 N		

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	GWFI	960 °C
Contact material	Copper alloy	Contact surface	tinned
Layer structure of plug contact	4-8 μm Sn hot-dip tinned	Storage temperature, min.	-25 °C
Storage temperature, max.	50 °C	Max. relative humidity during storage	70 %
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-30 °C	Temperature range, installation, max.	100 °C

Conductors suitable for connection

Clamping range, min.	0.08 mm ²
Clamping range, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 28
Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.2 mm ²
Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²
Flexible, max. H05(07) V-K	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm ² min.	
w. plastic collar ferrule, DIN 46228 pt 4, 1.5 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, 0.2 mm ² min.	
w. wire end ferrule, DIN 46228 pt 1, 1.5 mm ² max.	

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Technical data

Plug gauge in accordance with EN 60999 a x b; ø 2.4 mm x 1.5 mm

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²
wire end ferrule	Stripping length	nominal	8 mm
		Recommended wire-end ferrule	H0.5/12 OR
		nominal	6 mm
		Recommended wire-end ferrule	H0.5/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	0.75 mm ²	
wire end ferrule	Stripping length	nominal	8 mm
		Recommended wire-end ferrule	H0.75/12 W
		nominal	6 mm
		Recommended wire-end ferrule	H0.75/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	1 mm ²	
wire end ferrule	Stripping length	nominal	8 mm
		Recommended wire-end ferrule	H1.0/12 GE
		nominal	6 mm
		Recommended wire-end ferrule	H1.0/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	0.25 mm ²	
wire end ferrule	Stripping length	nominal	8 mm
		Recommended wire-end ferrule	H0.25/10 HBL
		nominal	5 mm
		Recommended wire-end ferrule	H0.25/5
Cross-section for conductor connection	Type	fine-wired	
	nominal	0.34 mm ²	
wire end ferrule	Stripping length	nominal	8 mm
	Recommended wire-end ferrule	H0.34/10 TK	

Reference text The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.

Max. clamping range 1.5 mm²

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	17 A
Rated current, max. number of poles (Tu=20°C)	12 A	Rated current, min. number of poles (Tu=40°C)	14.5 A
Rated current, max. number of poles (Tu=40°C)	10 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	160 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	160 V
Rated impulse voltage for surge voltage class/ contamination degree III/3	160 V	Short-time withstand current resistance	3 x 1s with 100 A

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX

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Technical data
Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	10 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 14

Rated data acc. to UL 1059

Institute (UR)		Certificate No. (UR)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	10 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 28	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	39 mm
VPE width	91 mm	VPE height	128 mm

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
eClass 9.0	27-44-03-09	eClass 9.1	27-44-03-09
eClass 10.0	27-44-03-09	UNSPSC	30-21-18-10

Notes

Notes	<ul style="list-style-type: none"> • Additional colours on request • Gold-plated contact surfaces on request • Rated current related to rated cross-section & min. No. of poles. • Max. outer diameter of the conductor: 2.9 mm • Wire end ferrule without plastic collar to DIN 46228/1 • Wire end ferrule with plastic collar to DIN 46228/4 • P on drawing = pitch • Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Data sheet

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

- [FL DRIVES EN](#)
- [MB DEVICE MANUF. EN](#)
- [FL DRIVES DE](#)
- [CAT 2 PORTFOLIOGUIDE EN](#)
- [FL BUILDING SAFETY EN](#)
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- [FLIndustr.CONTROLS EN](#)
- [FL MACHINE SAFETY EN](#)
- [FL HEATING ELECTR EN](#)
- [FL APPL INVERTER EN](#)
- [FL_BASE_STATION_EN](#)
- [FL ELEVATOR EN](#)
- [FL POWER SUPPLY EN](#)
- [FL 72H SAMPLE SER EN](#)
- [PO OMNIMATE EN](#)

Engineering Data

[EPLAN_WSCAD](#)

Engineering Data

[STEP](#)

Product Change Notification

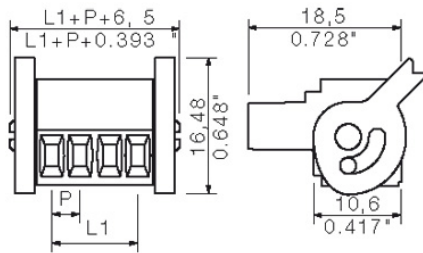
[Change of Material LR 3.50 - DE](#)
[Change of Material LR 3.50 - EN](#)

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX

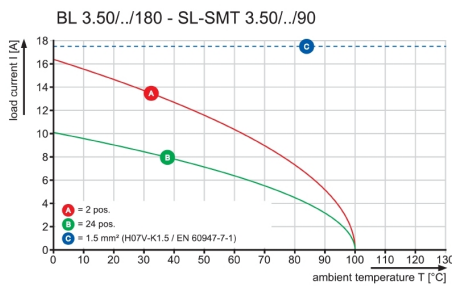
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Drawings

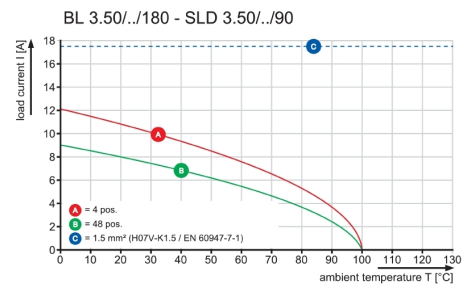
Dimensional drawing



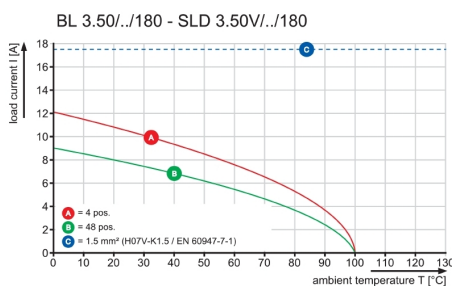
Graph



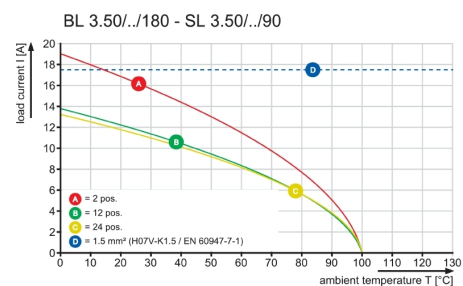
Graph



Graph

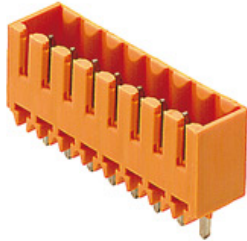


Graph



OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX

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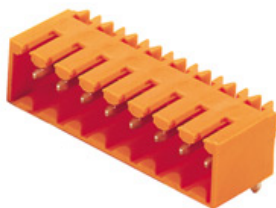
Mating connector (conditionally pluggable)**SL 3.50/180G**

Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

Type	SL 3.50/02/180G 4.5SN O ...	Version	Product data	Packaging
Order No.	1604620000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190112547	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/02/180G 3.2SN O ...	Version	Product data	Packaging
Order No.	1604470000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190137526	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, orange, Box		
Type	SL 3.50/02/180G 4.5 SN ...	Version	Product data	Packaging
Order No.	1614240000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190021276	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	4.5 mm, tinned, black, Box		
Type	SL 3.50/02/180G 3.2SN D ...	Version	Product data	Packaging
Order No.	1607350000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190131746	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, Signal green, Box		

SL 3.50/90G

Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

Type	SL 3.50/02/90G 3.2SN OR ...	Version	Product data	Packaging
Order No.	1605070000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190085100	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, orange, Box		
Type	SL 3.50/02/90G 4.5 SN B ...	Version	Product data	Packaging
Order No.	1614160000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190020088	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	4.5 mm, tinned, black, Box		

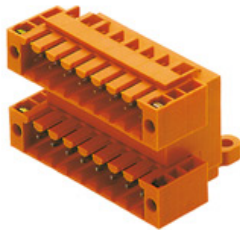
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Mating connector (conditionally pluggable)

Type	SL 3.50/02/90G 4.5SN OR ...	Version	Product data	Packaging
Order No.	1605220000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190029456	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/02/90G 3.2SN BK ...	Version	Product data	Packaging
Order No.	1683240000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190475352	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, black, Box		
Type	SL 3.50/02/90G 3.2SN DK ...	Version	Product data	Packaging
Order No.	1606920000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190044541	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, Signal green, Box		
Type	SL 3.50/02/90G 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619460000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190140328	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	100 pc(s).	3.2 mm, tinned, Pebble grey, Box		

SLD 3.50/90F



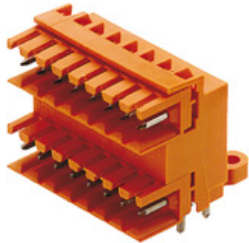
Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

Type	SLD 3.50/04/90F 3.2SN O ...	Version	Product data	Packaging
Order No.	1633810000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258269	3.50 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, orange, Box		

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX

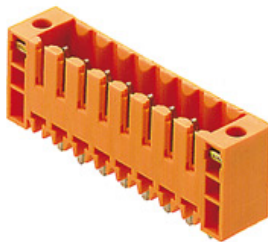
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Mating connector (conditionally pluggable)**SLD 3.50/90**

Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

Type	SLD 3.50/04/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1633350000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box
GTIN (EAN)	4008190257804			
Qty.	50 pc(s).			

SL 3.50/180F

Pin headers for wave soldering in 3.50 mm pitch

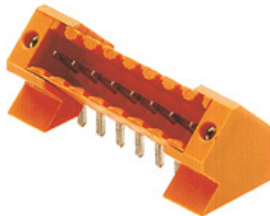
- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

Type	SL 3.50/02/180F 4.5 SN ...	Version	Product data	Packaging
Order No.	1618690000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 4.5 mm, tinned, orange, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190126452			
Qty.	100 pc(s).			
Type	SL 3.50/02/180F 3.2SN D ...	Version	Product data	Packaging
Order No.	1622490000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Signal green, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190193157			
Qty.	100 pc(s).			
Type	SL 3.50/02/180F 3.2SN O ...	Version	Product data	Packaging
Order No.	1607500000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190180317			
Qty.	100 pc(s).			
Type	SL 3.50/02/180F 3.2SN G ...	Version	Product data	Packaging
Order No.	1622260000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Pebble grey, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190189730			
Qty.	100 pc(s).			
Type	SL 3.50/02/180F 4.5 SN ...	Version	Product data	Packaging
Order No.	1616140000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 4.5 mm, tinned, black, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190067854			
Qty.	100 pc(s).			

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Mating connector (conditionally pluggable)
SL 3.50/135F


Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

Type	SL 3.50/02/135F 3.2SN O ...	Version	Product data	Packaging
Order No.	1643330000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 15 A	Box
GTIN (EAN)	4008190282097	3.50 mm, Number of poles: 2, 135°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	132 pc(s).	tinned, orange, Box		

SL-SMT 3.5/90G Tray


High-temperature-resistant male header, 3.50 mm pitch.

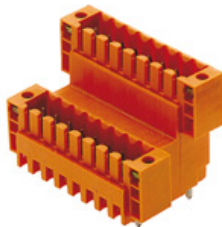
- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761543001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tray
GTIN (EAN)	4032248133819	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	108 pc(s).	1.5 mm, tinned, black, Tray		

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Mating connector (conditionally pluggable)
SLD 3.50V/180F


Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

Type	SLD 3.50 V/04/180F 3.2 ...	Version	Product data	Packaging
Order No.	1641240000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279646	3.50 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, orange, Box		

SL-SMT 3.5/90G Tape


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761544001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248135882	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		
Type	SL-SMT 3.50/02/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761544002	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248193325	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Klingenbergstraße 26
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Fon: +49 5231 14-0
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www.weidmueller.com

Mating connector (conditionally pluggable)
SL-THR 3.5/135F


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/135F 3.2 ...	Version	Product data	Packaging
Order No.	1003510000	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 135°, Solder pin length (l):	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248700141	3.2 mm, tinned, black, Box	UL: 300 V / 10 A	
Qty.	132 pc(s).			

SLD 3.50V/90G


Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

Type	SLD 3.50V/04/90G 3.2SN ...	Version	Product data	Packaging
Order No.	1642240000	PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, Number of poles: 4, 90°, Solder pin length (l):	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280758	3.2 mm, tinned, orange, Box	UL: 300 V / 8 A	
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Mating connector (conditionally pluggable)
SL-SMT 3.5/180G Tape


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180G 1.5 ...	Version	Product data	Packaging
Order No.	1752984002	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248193097			
Qty.	265 pc(s).			

SL-SMT 3.5/180G Box


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180G 3.2 ...	Version	Product data	Packaging
Order No.	1842320000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248353668			
Qty.	100 pc(s).			

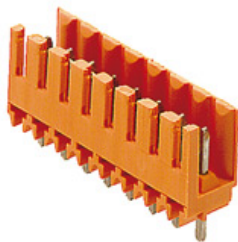
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Mating connector (conditionally pluggable)

Type	SL-SMT 3.50/02/180G 1.5 ...	Version	Product data	Packaging
Order No.	1752982001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248130887	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (!): UL: 300 V / 10 A		
Qty.	100 pc(s).	1.5 mm, tinned, black, Box		

SL 3.50/180



Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

Type	SL 3.50/02/180 3.2SN OR ...	Version	Product data	Packaging
Order No.	1604770000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190054182	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (!): UL: 300 V / 10 A		
Qty.	100 pc(s).	3.2 mm, tinned, orange, Box		

SL-SMT 3.5/180G Tray



High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180G 1.5 ...	Version	Product data	Packaging
Order No.	1752983001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tray
GTIN (EAN)	4032248132713	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (!): UL: 300 V / 10 A		
Qty.	108 pc(s).	1.5 mm, tinned, black, Tray		

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 3.5/90G Box



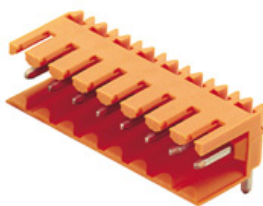
High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761542001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248132034			
Qty.	100 pc(s).			
Type	SL-SMT 3.50/02/90G 3.2S ...	Version	Product data	Packaging
Order No.	1841630000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248352784			
Qty.	100 pc(s).			

SL 3.50/90



Pin headers for wave soldering in 3.50 mm pitch

- **Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB**
- **Housing variant: screw flange (F)**
- **Packed in a cardboard box (BX)**
- **Pin header can be coded**

General ordering data

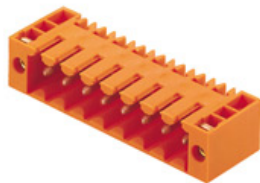
Type	SL 3.50/02/90 4.5 SN BK ...	Version	Product data	Packaging
Order No.	1614130000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, black, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190019600			
Qty.	100 pc(s).			
Type	SL 3.50/02/90 3.2SN DKG ...	Version	Product data	Packaging
Order No.	1606800000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Signal green, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190046088			
Qty.	100 pc(s).			

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Mating connector (conditionally pluggable)

Type	SL 3.50/02/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1597210000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190175320			
Qty.	100 pc(s).			
Type	SL 3.50/02/90 4.5SN OR ...	Version	Product data	Packaging
Order No.	1605370000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, orange, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190161071			
Qty.	100 pc(s).			
Type	SL 3.50/02/90 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619070000	PCB plug-in connector, male header, open side, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Pebble grey, Box	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190133498			
Qty.	100 pc(s).			

SL 3.50/90F

Pin headers for wave soldering in 3.50 mm pitch

- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

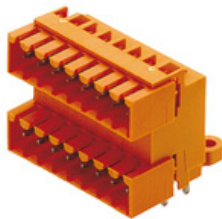
Type	SL 3.50/02/90F 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619850000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Pebble grey, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190148270			
Qty.	100 pc(s).			
Type	SL 3.50/02/90F 3.2SN OR ...	Version	Product data	Packaging
Order No.	1607040000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190061234			
Qty.	100 pc(s).			
Type	SL 3.50/02/90F 3.2SN DK ...	Version	Product data	Packaging
Order No.	1620080000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Signal green, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190151324			
Qty.	100 pc(s).			
Type	SL 3.50/02/90F 3.2SN BK ...	Version	Product data	Packaging
Order No.	1719980000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190354268			
Qty.	100 pc(s).			
Type	SL 3.50/02/90F 4.5 SN O ...	Version	Product data	Packaging
Order No.	1618060000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, orange, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190116132			
Qty.	100 pc(s).			
Type	SL 3.50/02/90F 4.5 SN B ...	Version	Product data	Packaging
Order No.	1615530000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, black, Box	IEC: / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190056551			
Qty.	100 pc(s).			

Creation date May 3, 2020 2:17:19 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

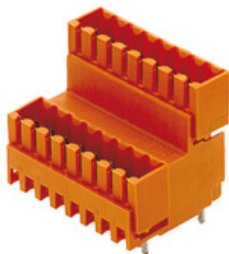
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Fax: +49 5231 14-292083
www.weidmueller.com

Mating connector (conditionally pluggable)
SLD 3.50/90G


Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

Type	SLD 3.50/04/90G 4.5SN B ...	Version	Product data	Packaging
Order No.	1634270000	PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, Number of poles: 4, 90°, Solder pin length (l): 4.5 mm, tinned, black, Box	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box
GTIN (EAN)	4008190258726			
Qty.	50 pc(s).			
Type	SLD 3.50/04/90G 3.2SN O ...	Version	Product data	Packaging
Order No.	1633580000	PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box
GTIN (EAN)	4008190258030			
Qty.	50 pc(s).			

SLD 3.50V/180G


Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

Type	SLD 3.50V/04/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1641110000	PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box
GTIN (EAN)	4008190279516			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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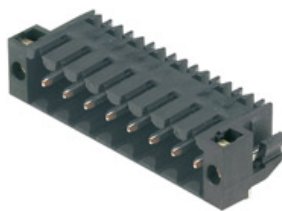
Mating connector (fully pluggable)
SL-SMT 3.50/90F Tape


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762004001	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248136186			
Qty.	385 pc(s).			
Type	SL-SMT 3.50/02/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762004002	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248193516			
Qty.	385 pc(s).			

SL-SMT 3.5/90LF Box


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90LF 1.5 ...	Version	Product data	Packaging
Order No.	1804940000	PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248268849			
Qty.	132 pc(s).			

Creation date May 3, 2020 2:17:19 PM CEST

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Mating connector (fully pluggable)

Type	SL-SMT 3.50/02/90LF 3.2 ...	Version	Product data	Packaging
Order No.	1841860000	PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248353217			
Qty.	132 pc(s).			

SL-SMT 3.5/180F Box



High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180F 1.5 ...	Version	Product data	Packaging
Order No.	1760962001	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248131532			
Qty.	132 pc(s).			
Type	SL-SMT 3.50/02/180F 3.2 ...	Version	Product data	Packaging
Order No.	1842770000	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248354139			
Qty.	132 pc(s).			

SLD 3.50V/90F



Double-level, staggered pin header for wave soldering at 3.50 mm pitch. They are available in closed and flanged versions. The male connectors provide space for labelling and can be coded.

General ordering data

Type	SLD 3.50 V/04/90F 3.2 S ...	Version	Product data	Packaging
Order No.	1642370000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box
GTIN (EAN)	4008190280895			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Mating connector (fully pluggable)
SL-SMT 3.5/180LF Tape


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180LF 1. ...	Version	Product data	Packaging
Order No.	1805210000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248269099	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	265 pc(s).	1.5 mm, tinned, black, Tape		

SL-SMT 3.5/90F Box


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762002001	PCB plug-in connector, male header, Flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248132416	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	132 pc(s).	1.5 mm, tinned, black, Box		

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Mating connector (fully pluggable)

Type	SL-SMT 3.50/02/90F 3.2S ...	Version	Product data	Packaging
Order No.	1842080000	PCB plug-in connector, male header, Flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353439	connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	132 pc(s).	3.2 mm, tinned, black, Box		

SL-SMT 3.5/180LF Box



High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/180LF 1. ...	Version	Product data	Packaging
Order No.	1804700000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248268511	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	132 pc(s).	1.5 mm, tinned, black, Box		
Type	SL-SMT 3.50/02/180LF 3. ...	Version	Product data	Packaging
Order No.	1842540000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353903	connection, 3.50 mm, Number of poles: 2, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	132 pc(s).	3.2 mm, tinned, black, Box		

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180LH SN OR BX**

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Mating connector (fully pluggable)
SL-SMT 3.5/90LF Tape


High-temperature-resistant male header, 3.50 mm pitch.

- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 mm optimised for reflow soldering methods**
- **Packed either in a box (BX) or tape-on-reel (RL)**
- **Male header can be coded**

General ordering data

Type	SL-SMT 3.50/02/90LF 1.5 ...	Version	Product data	Packaging
Order No.	1805310000	PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 2, 90°, Solder pin length (l):	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248269761			
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180LH SN OR BX

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Accessories

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

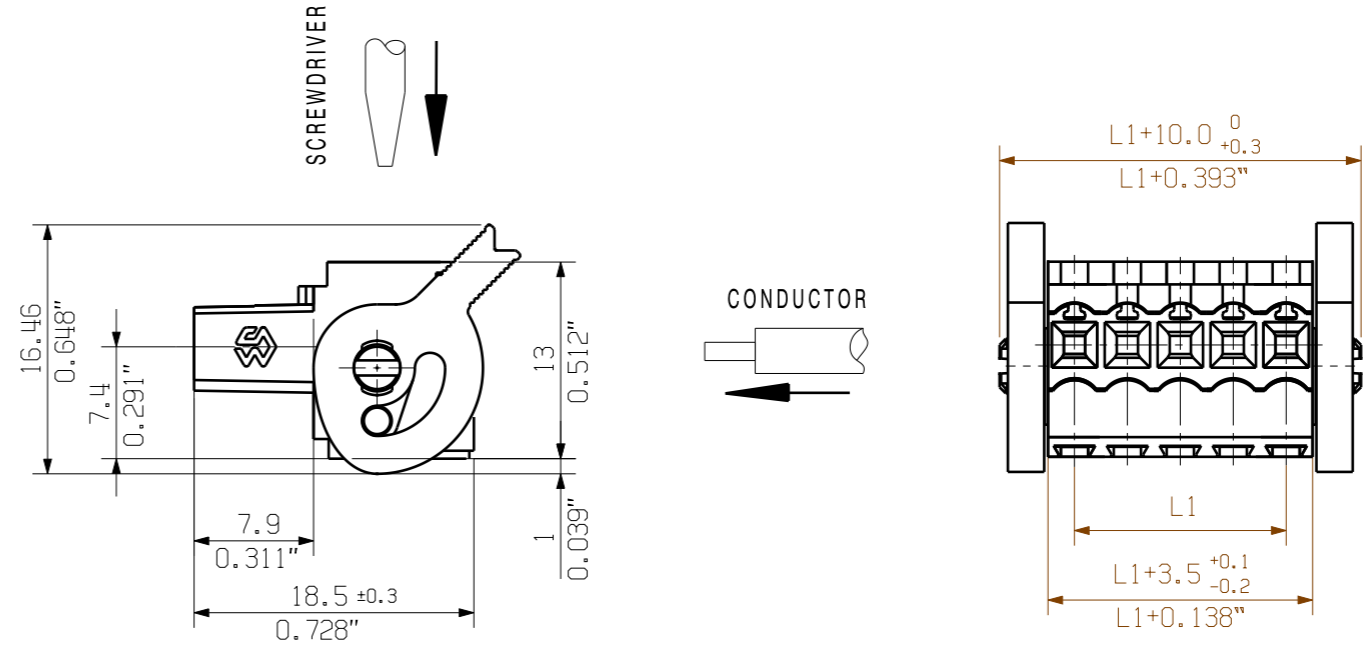
Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

Type	BL SL 3.5 KO SW	Version	Product data	Packaging
Order No.	1610100000	PCB plug-in connector, Accessories, Coding element, black, Number		Box
GTIN (EAN)	4008190187637	of poles: 1		
Qty.	100 pc(s).			
Type	BL SL 3.5 KO OR	Version	Product data	Packaging
Order No.	1693430000	PCB plug-in connector, Accessories, Coding element, orange, Number		Box
GTIN (EAN)	4008190867447	of poles: 1		
Qty.	100 pc(s).			

DIE DEUTSCHE VERSION IST VERBINDLICH
THE GERMAN VERSION IS BINDING

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24	80,50	3,169
23	77,00	3,031
22	73,50	2,894
21	70,00	2,756
20	66,50	2,618
19	63,00	2,480
18	59,50	2,343
17	56,00	2,205
16	52,50	2,067
15	49,00	1,929
14	45,50	1,791
13	42,00	1,654
12	38,50	1,516
11	35,00	1,378
10	31,50	1,240
9	28,00	1,102
8	24,50	0,965
7	21,00	0,827
6	17,50	0,689
5	14,00	0,551
4	10,50	0,413
3	7,00	0,276
2	3,50	0,138
n	L1 [mm]	L1 [inch]

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relates only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller PCB components are tested to the DIN VDE 0627 standard, and are valid for its field of application. Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

SHOWN: BL 3.50/04/180/LH...

	DIN ISO 2768-m		CAT.NO.: C 22682 11	
	69114/0 20.03.13 HELIS_MA 01		DRAWING NO. SHEET 01 OF 02 SHEETS ISSUE NO.	
		DATE NAME DRAWN 21.07.2009 HELIS_MA		BL 3.50/./180/ L(H/R) BUCHSENLEISTE SOCKET BLOCK
SCALE: 2/1		RESPONSIBLE LANG_T		
SUPERSEDES: .		CHECKED 04.04.2013 HECKERT_M APPROVED HECKERT_M		
PRODUCT FILE: BL 3.50			7382	