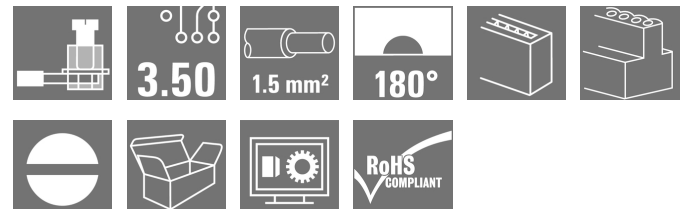
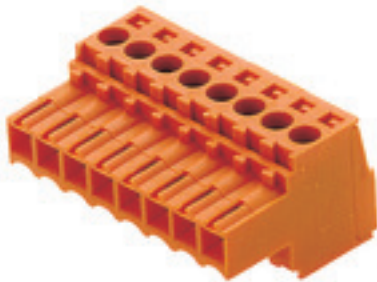


OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180 SN OR BX

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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 3.50/02/180 SN OR BX |
| Order No. | 1597360000 |
| Version | PCB plug-in connector, female plug, 3.50 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, max.: 1.5 mm², Box |
| GTIN (EAN) | 4008190435868 |
| Qty. | 264 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 |

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

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 7 mm | Width (inches) | 0.276 inch |
| Height | 13 mm | Height (inches) | 0.512 inch |
| Depth | 18.5 mm | Depth (inches) | 0.728 inch |
| Net weight | 0.735 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° |
| No. 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 |
| 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 |
| CTI | ≥ 200 | Insulation resistance | ≥ 10 ⁸ Ω |
| UL 94 flammability rating | V-0 | 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. | 55 °C |
| Max. relative humidity during storage | 80 % | 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, min. | 0.2 mm ² | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm ² |
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 1.5 mm ² |
| Plug gauge in accordance with EN 60999 a x b; ø | 2.4 mm x 1.5 mm | | |


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


Technical data
Rated data acc. to IEC

| | | | |
|---|------------------------|---|-------------------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. no. of poles (Tu=20°C) | 17 A |
| Rated current, max. no. of poles (Tu=20°C) | 12 A | Rated current, min. no. of poles (Tu=40°C) | 14.5 A |
| Rated current, max. no. 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 | 2.5 kV | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 2.5 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV | Short-time withstand current resistance | 3 x 1s with 100 A |

Rated data acc. to CSA

| | | | |
|-------------------------------|---|-------------------------------|----------------|
| Institute (CSA) |  | Certificate No. (CSA) | 154685-1318353 |
| Rated voltage (Use group B) | 300 V | Rated voltage (use group D) | 300 V |
| Rated current (use group B) | 10 A | Rated current (use group D) | 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. | | |

Rated data acc. to UL 1059

| | | | |
|-------------------------------|---|-------------------------------|--------|
| Institute (UR) |  | Certificate No. (UR) | E60693 |
| Rated voltage (use group B) | 300 V | Rated voltage (use group D) | 300 V |
| Rated current (use group B) | 10 A | Rated current (use group D) | 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. | | |

Packaging

| | | | |
|-----------|--------|------------|--------|
| Packaging | Box | VPE length | 35 mm |
| VPE width | 135 mm | VPE height | 355 mm |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001284 | ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 | ETIM 6.0 | EC002637 |
| UNSPSC | 30-21-18-10 | eClass 5.1 | 27-26-07-04 |
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |
| eClass 8.1 | 27-44-04-02 | eClass 9.0 | 27-44-04-02 |
| eClass 9.1 | 27-44-04-02 | | |

Data sheet

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

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Technical data

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. |

Approvals

Approvals



ROHS Conform

Downloads

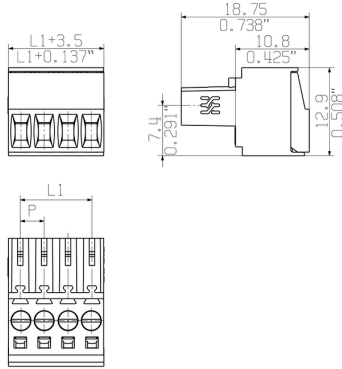
| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Brochure/Catalogue | FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE CAT 2 PORTFOLIOGUIDE EN FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FLIndustr.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTRN EN 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, Zuken E3.S |
| Engineering Data | STEP |

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

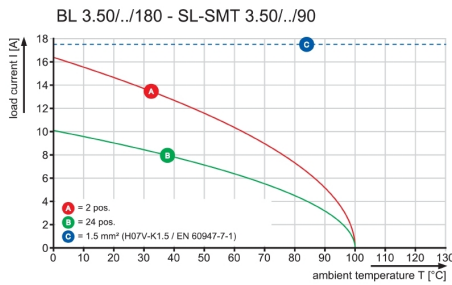
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 Germany
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Drawings

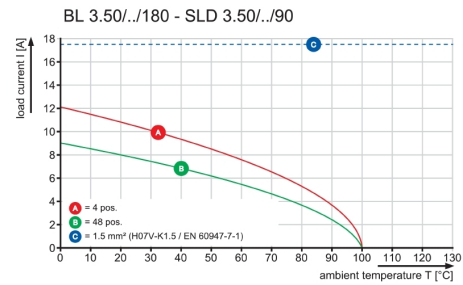
Dimensional drawing



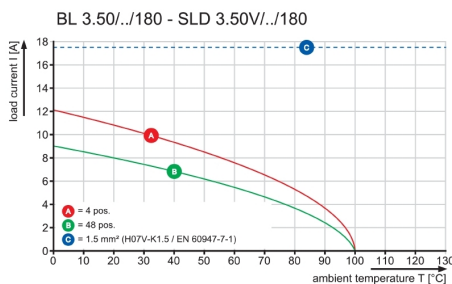
Graph



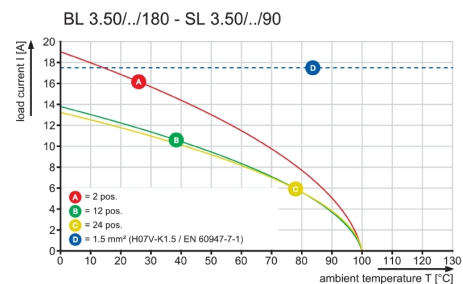
Graph



Graph

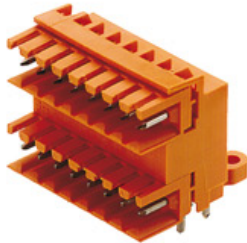


Graph



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

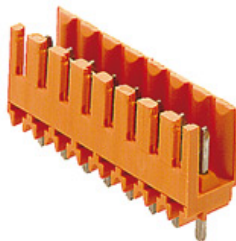
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Mating connector (fully pluggable)
SLD 3.50/90


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

SL 3.50/180


Pin headers for wave soldering in 3.50 mm pitch

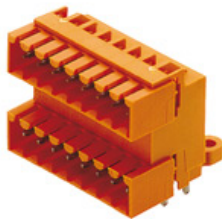
- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

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

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

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Mating connector (fully 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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SLD 3.50/04/90G 3.2SN OR BX | 1633580000 | PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190258030 | 50 pc(s). | IEC: 200 V / 10.5 A UL: 300 V / 8 A | Box |

SL-SMT 3.5/90G Tape


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

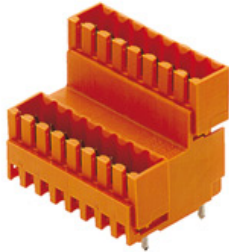
- **Plugging direction parallel (90°), straight 180° or angled (135°) to PCB**
- **Housing variants: closed side (G), screw flange (F), solder flange (LF) or snap-on solder flange (RF)**
- **Optimised for the SMT process**
- **Pin length 3.2 mm universal for all soldering methods**
- **Pin length 1.5 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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------------------------|----------------------------|--|---------------|------------|---------------------------------------|-----------|
| SL-SMT 3.50/02/90G 1.5SN BK RL | 1761544002 | PCB plug-in connector, male header, closed side, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | 4032248193325 | 385 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Tape |

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

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

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

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

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

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

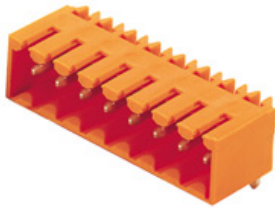
| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------|----------------------------|--|---------------|------------|---------------------------------------|-----------|
| SL-SMT | 1003510000 | PCB plug-in connector, | 4032248700141 | 132 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |
| 3.50/02/135F | | male header, Flange, 3.50 mm, No. of poles: 2, 135° | | | | |
| 3.2SN BK BX | | | | | | |

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Mating connector (fully pluggable)

Solder pin length (l): 3.2
mm, tinned, Black, 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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|----------------------------------|----------------------------|--|---------------|------------|---------------------------------|-----------|
| SL 3.50/02/90G 3.2SN BK BX | 1683240000 | PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4008190475352 | 100 pc(s). | IEC: / 17 A UL: 300 V / 10 A | Box |
| SL 3.50/02/90G 3.2SN OR BX | 1605070000 | PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190085100 | 100 pc(s). | IEC: / 17 A UL: 300 V / 10 A | Box |

**OMNIMATE Signal - series BL/SL 3.50
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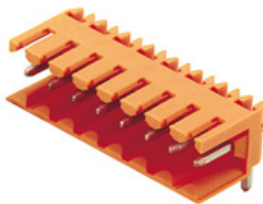
Mating connector (fully pluggable)
SL-SMT 3.5/90G Box


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

SL 3.50/90


Pin headers for wave soldering in 3.50 mm pitch

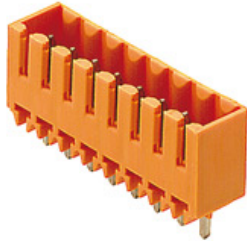
- **Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB**
- **Housing variant: screw flange (F)**
- **Packed in a cardboard box (BX)**
- **Pin header can be coded**

General ordering data

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

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Mating connector (fully pluggable)
SL 3.50/180G


Pin headers for wave soldering in 3.50 mm pitch

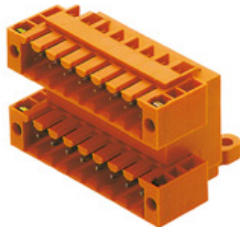
- Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB
- Housing variant: screw flange (F)
- Packed in a cardboard box (BX)
- Pin header can be coded

General ordering data

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

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

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

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

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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Fon: +49 5231 14-0
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Mating connector (conditionally pluggable)
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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------------------------|----------------------------|--|---------------|-----------|--|-----------|
| SLD 3.50 V/04/90F 3.2 SN OR BX | 1642370000 | PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190280895 | 50 pc(s). | IEC: 200 V / 10.5 A UL: 300 V / 8 A | Box |

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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|--|---------------|-------------|---------------------------------------|-----------|
| SL-SMT 3.50/02/90LF 1.5SN BK RL | 1805310000 | PCB plug-in connector, male header, Solder flange, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape | 4032248269761 | 1385 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Tape |

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

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

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

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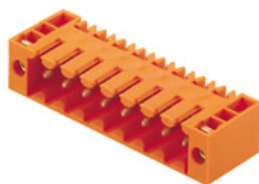
Mating connector (conditionally pluggable)
SL-SMT 3.5/180LF Tape


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

SL 3.50/90F


Pin headers for wave soldering in 3.50 mm pitch

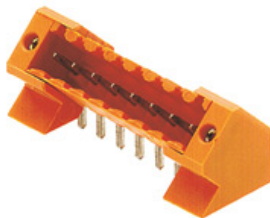
- **Plugging direction is parallel (90°), straight 180° or angled (135°) to the PCB**
- **Housing variant: screw flange (F)**
- **Packed in a cardboard box (BX)**
- **Pin header can be coded**

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-------------|----------------------------|--|---------------|------------|------------------|-----------|
| SL | 1607040000 | PCB plug-in connector, male | 4008190061234 | 100 pc(s). | IEC: / 17 A | Box |
| 3.50/02/90F | | header, Flange, THT solder connection, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | | | UL: 300 V / 10 A | |

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180 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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|------------|---------------------------------------|-----------|
| SL 3.50/02/135F 3.2SN OR BX | 1643330000 | PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, No. of poles: 2, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190282097 | 132 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |

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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|---|---------------|------------|---------------------------------------|-----------|
| SL-SMT 3.50/02/180G 1.5SN BK BX | 1752982001 | PCB plug-in connector, male header, closed side, THT/ THR solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box | 4032248130887 | 100 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |
| SL-SMT 3.50/02/180G 3.2SN BK BX | 1842320000 | PCB plug-in connector, male header, closed side, THT/ THR solder connection, 3.50 mm, No. of poles: 2, | 4032248353668 | 100 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |

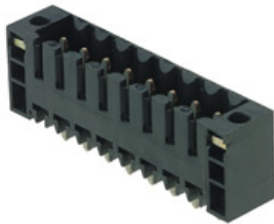
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/02/180 SN OR BX

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Mating connector (conditionally pluggable)

180°, Solder pin length (l):
 3.2 mm, tinned, Black, Box

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

**OMNIMATE Signal - series BL/SL 3.50
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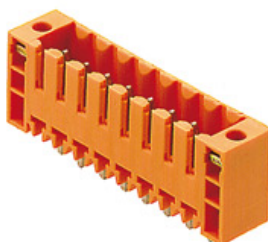
Mating connector (conditionally pluggable)
SL-SMT 3.5/90LF Box


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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|---------------------------------------|----------------------------|---|---------------|------------|---------------------------------------|-----------|
| SL-SMT 3.50/02/90LF 1.5SN BK BX | 1804940000 | PCB plug-in connector, male header, Solder flange, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box | 4032248268849 | 132 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |
| SL-SMT 3.50/02/90LF 3.2SN BK BX | 1841860000 | PCB plug-in connector, male header, Solder flange, 3.50 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box | 4032248353217 | 132 pc(s). | IEC: 320 V / 15 A UL: 300 V / 10 A | Box |

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

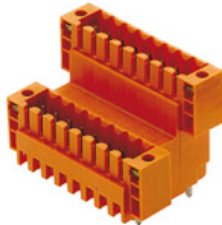
| Type | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|-----------------------------------|----------------------------|--|---------------|------------|---------------------------------------|-----------|
| SL 3.50/02/180F 3.2SN OR BX | 1607500000 | PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box | 4008190180317 | 100 pc(s). | IEC: 320 V / 17 A UL: 300 V / 10 A | Box |

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

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

Data sheet

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/02/180 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 | Order No. | Version | GTIN (EAN) | Qty. | Product data | Packaging |
|--------------------|----------------------------|--|---------------|------------|--------------|-----------|
| BL SL 3.5 KO OR | 1693430000 | PCB plug-in connector, Accessories, Coding element, Orange, No. of poles: 1 | 4008190867447 | 100 pc(s). | UL: | Box |
| BL SL 3.5 KO SW | 1610100000 | PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1 | 4008190187637 | 100 pc(s). | UL: | Box |