OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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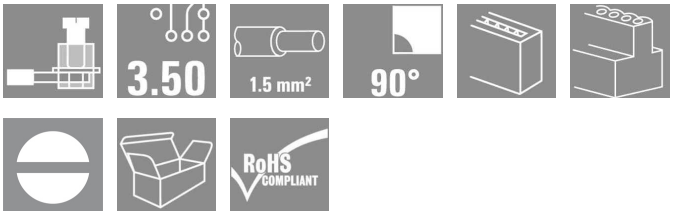

Female connectors with clamping yoke screw system for connecting conductors at 3.50 mm pitch. They include space for labelling and can be coded.

- 0.20 - 1.5 mm² (IEC) / 28 - 14 AWG (UL)
- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Type	BL 3.50/08/90 SN BK BX
Order No.	1638840000
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 8, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm², Box
GTIN (EAN)	4008190276386
Qty.	50 pc(s).
Product data	IEC: 320 V / 12 A / 0.2 - 1.5 mm² UL: 300 V / 8 A / AWG 28 - AWG 14
Packaging	Box

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Technical data

Dimensions and weights

Net weight	8.04 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 3.50	Wire connection method	Clamping yoke connection
Conductor outlet direction	90°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	8
Screwdriver blade	0.4 x 2.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.2 Nm	Tightening torque, max.	0.25 Nm
Clamping screw	M 2	Stripping length	6 mm
L1 in mm	24.5 mm	L1 in inches	0.965 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

Material data

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-30 °C
Temperature range, installation, max.	100 °C		

Connectable conductors

Clamping range, rated connection, min.	0.08 mm²	Clamping range, rated connection, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section AWG, max.	AWG 28
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	Flexible, max. H05(07) V-K	1.5 mm²
w. wire end ferrule, DIN 46228 pt 1, min	0.2 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm²
Plug gauge acc. to EN 60999 a x b; Ø	2.4 mm x 1.5 mm		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	12 A	Rated current, max. no. of poles (Tu=20°C)	10 A
Rated current, number of poles (Tu=40°C), min	10 A	Rated current, number of poles (Tu=40°C), max.	8 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 classpollution degree II/2	2.5 kV
Rated impulse voltage for surge voltage classpollution degree III/2	2.5 kV	Rated impulse voltage for surge voltage classcontamination degree III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 100 A		

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Technical data

CSA rating data

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

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	8 A	Rated voltage (use group D)	300 V
Rated current (use group D)	8 A	Wire cross-section, AWG, min.	AWG 28
Wire cross-section, AWG, max.	AWG 14		

Classifications

ETIM 3.0	EC001284	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		

Notes

Notes

- 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.

Approvals

Approvals

ME25

ROHS	Conform

Creation date April 30, 2014 6:37:25 PM CEST

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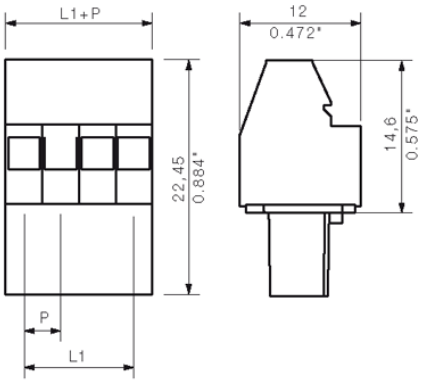
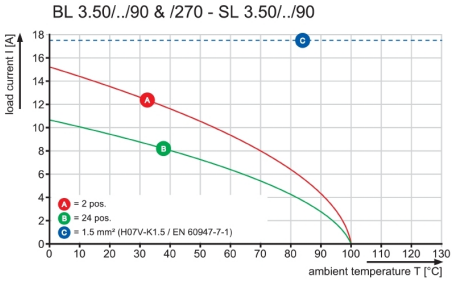
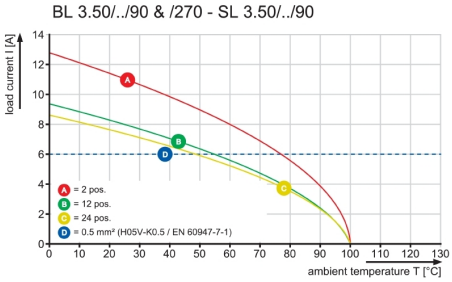
Drawings







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Mating connector (conditionally pluggable)

SLD 3.50V/90F

Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/16/90F 3.2 SN OR BX	1642400000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280925	20 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 3.50/08/90LF 1.5SN BK RL	1805370000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248269723	385 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

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BL 3.50/08/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.5/180LF Tape

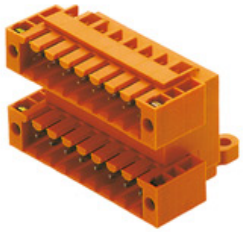
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/08/180LF 1.5SN BK RL	1805290000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248269556	265 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

SLD 3.50/90F



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

- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50/16/90F 3.2SN OR BX	1633870000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190258320	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

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Mating connector (conditionally pluggable)

SL-SMT 3.5/90LF Box

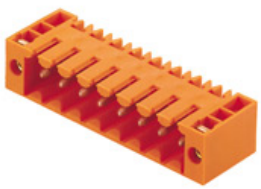
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/08/90LF 1.5SN BK BX	1805000000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268900	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/08/90LF 3.2SN BK BX	1841920000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353279	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

SL 3.50/90F



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/90F 3.2SN OR BX	1607100000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin	4008190157661	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

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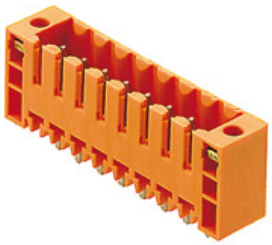
Mating connector (conditionally pluggable)

length (l): 3.2 mm, tinned, Orange, Box

SL 3.50/180F



Male header with 3.50 mm pitch for wave soldering

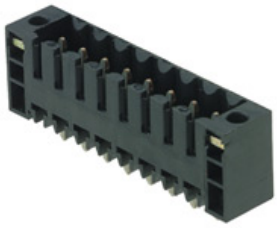
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/180F 3.2SN OR BX	1607560000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190025151	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	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 3.50/08/180F 3.2SN BK BX	1842830000	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248354191	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

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BL 3.50/08/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/08/180F 1.5SN BK RL	1761024001	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248135851	265 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
SL-SMT 3.50/08/180F 1.5SN BK BX	1761022001	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248131594	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

SLD 3.50V/180F

Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50 V/16/180F 3.2 SN OR BX	1641270000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 16, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279677	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

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Mating connector (conditionally pluggable)

SL-SMT 3.5/90F Box

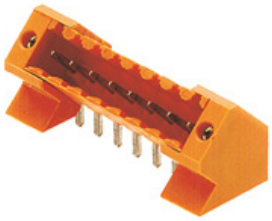
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/08/90F 3.2SN BK BX	1842140000	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353491	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

SL 3.50/135F



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/135F 3.2SN OR BX	1643390000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190282158	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

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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 3.50/08/180LF 3.2SN BK BX	1842600000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353965	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/08/180LF 1.5SN BK BX	1804760000	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248268542	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

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Mating connector (conditionally pluggable)

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 3.50/08/180G 1.5SN BK BX	1753042001	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248130948	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/08/180G 3.2SN BK BX	1842380000	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353736	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

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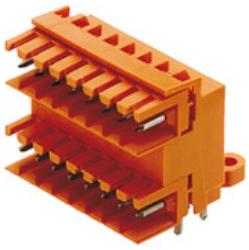
Mating connector (fully pluggable)

SLD 3.50/90

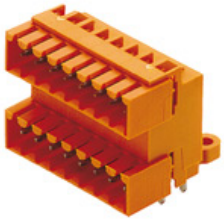


Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50/16/90 3.2SN OR BX	1633410000	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190257866	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

SLD 3.50/90G



Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50/16/90G 3.2SN OR BX	1633640000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190258092	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 3.5/90G Tape

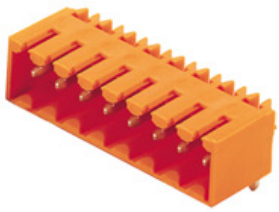
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/08/90G 1.5SN BK RL	1761604001	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248136049	385 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

SL 3.50/90G



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/90G 3.2SN OR BX	1605130000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190172022	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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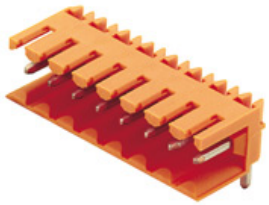
Mating connector (fully pluggable)

SL 3.50/90



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/90 3.2SN OR BX	1597270000	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190042431	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

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 3.50/08/135F 3.2SN BK BX	1003570000	PCB plug-in connector, male header, Flange, Reflow solder connection, 3.50 mm, No. of poles: 8, 135°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248700196	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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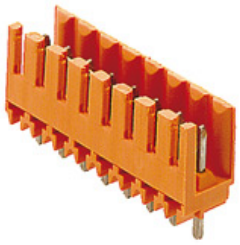
Mating connector (fully pluggable)

SL 3.50/180



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/180 3.2SN OR BX	1604830000	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190170684	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

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 3.50/08/180G 1.5SN BK RL	1753044001	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248135646	265 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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Mating connector (fully pluggable)

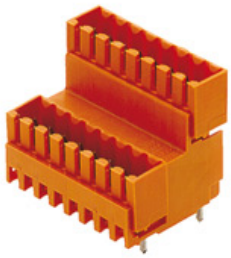
SLD 3.50V/90G

Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50V/16/90G 3.2SN OR BX	1642270000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280796	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

SLD 3.50V/180G



Two-tier offset male connector for wave soldering, with 3.50 mm pitch The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.
- 250 V (IEC) / 300 V (UL)
- 10.5 A (IEC) / 8 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.50V/16/180G 3.2SN OR BX	1641140000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 16, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279547	20 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 3.5/90G Box

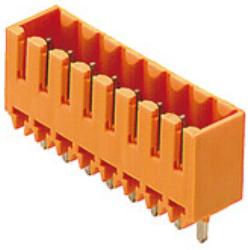
High-temperature-resistant male header, 3.50 mm pitch.

- **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 3.50/08/90G 1.5SN BK BX	1761602001	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248132096	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/08/90G 3.2SN BK BX	1841690000	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353040	50 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

SL 3.50/180G



Male header with 3.50 mm pitch for wave soldering

- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

250 V (IEC) / 300 V (UL)
17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 3.50/08/180G 3.2SN OR BX	1604530000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin	4008190090975	50 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/08/90 SN BK BX

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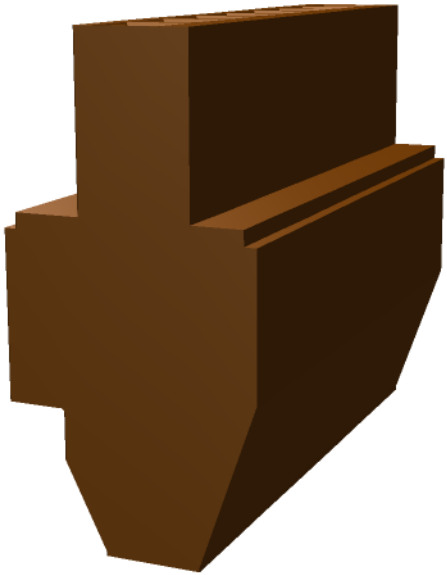
Mating connector (fully pluggable)

length (l): 3.2 mm, tinned,
Orange, Box