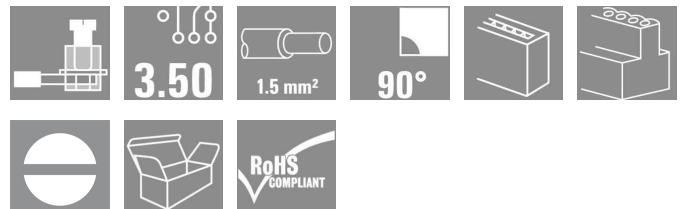


OMNIMATE Signal - series BL/SL 3.50
BL 3.50/04/90 SN BK BX

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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 3.50/04/90 SN BK BX
Order No.	1638800000
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 1.5 mm ² , Box
GTIN (EAN)	4008190276348
Qty.	100 pc(s).
Product data	IEC: 320 V / 12 A / 0.2 - 1.5 mm ² UL: 300 V / 8 A / AWG 28 - AWG 14
Packaging	Box

Creation date December 24, 2013 5:55:02 PM CET

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Technical data

Dimensions and weights

Net weight 4.05 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	4
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	10.5 mm	L1 in inches	0.413 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		

Connectable conductors

Clamping range, rated connection, min.	0.08 mm ²	Clamping range, rated connection, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 14	Wire connection cross section AWG, max.	AWG 28
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. 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
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
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 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 1 s with 100 A		

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/04/90 SN BK BX

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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



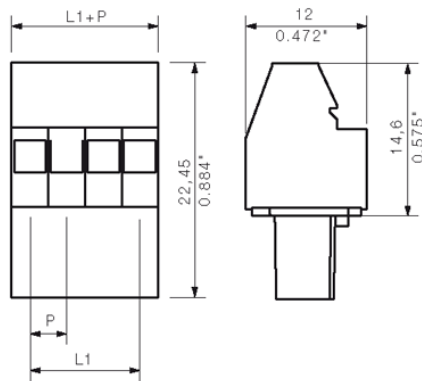
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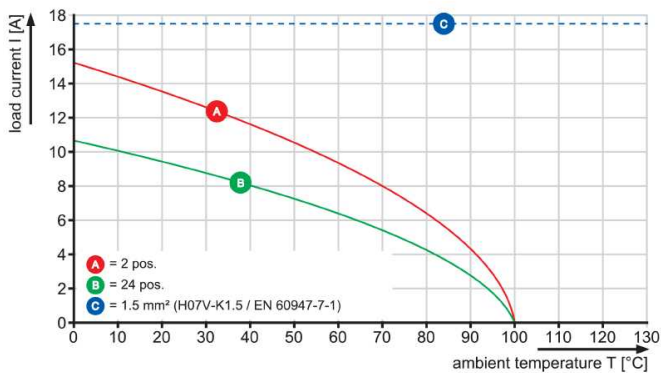
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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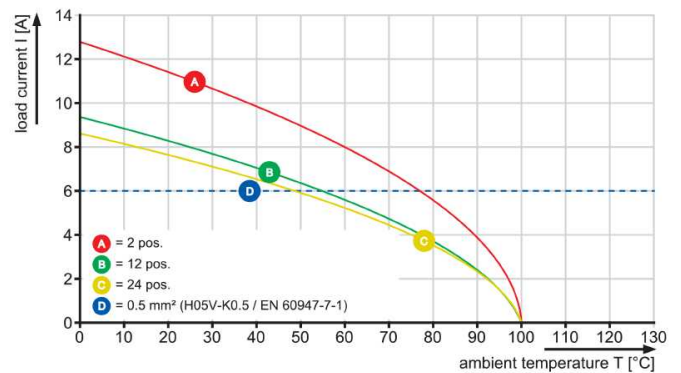
Drawings



BL 3.50/..90 & /270 - SL 3.50/..90



BL 3.50/..90 & /270 - SL 3.50/..90



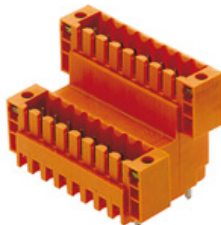
OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 SN BK BX

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Mating connector (conditionally pluggable)

SLD 3.50V/180F



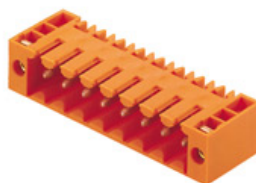
Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 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/08/180F 3.2 SN OR BX	1641250000	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	4008190279653	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 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 3.50/04/90F 3.2SN OR BX	1607060000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190131661	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box

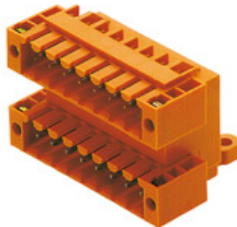
OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 SN BK BX

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Mating connector (conditionally pluggable)

SLD 3.50/90F



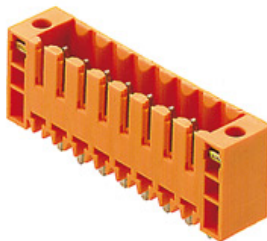
Two-tier male connector for wave soldering, with 3.50 mm pitch. The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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	1633830000	PCB plug-in connector,	4008190258283	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/08/90F		male header, Flange, Solder			UL: 300 V / 8 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 8, 90°, Solder pin 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	1607520000	PCB plug-in connector,	4008190039097	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/04/180F		male header, Flange, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Mating connector (conditionally pluggable)

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	1760982001	PCB plug-in connector, male	4032248131556	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/180F		header, Flange, Reflow			UL: 300 V / 10 A	
1.5SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1842790000	PCB plug-in connector, male	4032248354153	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/180F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 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	1805240000	PCB plug-in connector,	4032248269518	265 pc(s).	IEC: 320 V / 15 A	Tape
3.50/04/180LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK RL		Reflow solder connection,				
		3.50 mm, No. of poles: 4,				
		180°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

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	1842560000	PCB plug-in connector,	4032248353927	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/180LF		male header, Solder flange,			UL: 300 V / 10 A	
3.2SN BK BX		Reflow solder connection,				
		3.50 mm, No. of poles: 4,				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/04/180LF 1.5SN BK BX	1804720000	180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248268702 100 pc(s). IEC: 320 V / 15 A UL: 300 V / 10 A	Box
		PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, 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 3.50/04/180G 3.2SN BK BX	1842340000	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248353682	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
SL-SMT 3.50/04/180G 1.5SN BK BX	1753002001	PCB plug-in connector, male header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248130894	100 pc(s).	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Mating connector (conditionally 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	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1805330000	PCB plug-in connector,	4032248269587	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/04/90LF		male header, Solder flange,			UL: 300 V / 10 A	
1.5SN BK RL		Reflow solder connection,				
		3.50 mm, No. of poles: 4,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Tape				

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	1841880000	PCB plug-in connector,	4032248353231	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/90LF		male header, Solder flange,			UL: 300 V / 10 A	
3.2SN BK BX		Reflow solder connection,				
		3.50 mm, No. of poles: 4,				

OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 SN BK BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/04/90LF 1.5SN BK BX	1804960000	90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248268863 100 pc(s). IEC: 320 V / 15 A UL: 300 V / 10 A	Box
		PCB plug-in connector, male header, Solder flange, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box		

SLD 3.50V/90F



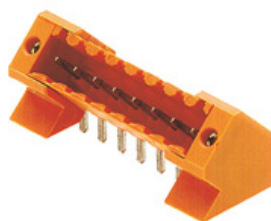
Two-tier offset male connector for wave soldering, with 3.50 mm pitch. The male connector is available in closed and flange versions. The male connectors provide space for labelling and can be coded.

- 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/08/90F 3.2 SN OR BX	1642380000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190280901 50 pc(s).		IEC: 200 V / 10.5 A UL: 300 V / 8 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 3.50/04/135F 3.2SN OR BX	1643350000	PCB plug-in connector, male header, Flange, Solder connection, 3.50 mm, No. of poles: 4, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190282110 100 pc(s).		IEC: 320 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 3.50
BL 3.50/04/90 SN BK BX**

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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	1842100000	PCB plug-in connector, male	4032248353453	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/90F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

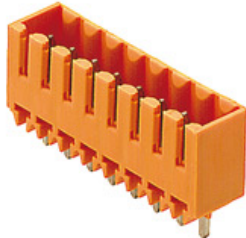
OMNIMATE Signal - series BL/SL 3.50

BL 3.50/04/90 SN BK BX

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Mating connector (fully pluggable)

SL 3.50/180G



Male header with 3.50 mm pitch for wave soldering

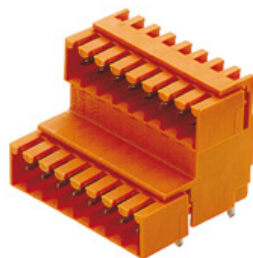
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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	1604490000	PCB plug-in connector, male	4008190115852	100 pc(s).	IEC: 320 V / 17 A	Box
3.50/04/180G		header, closed side, Solder			UL: 300 V / 10 A	
3.2SN OR BX		connection, 3.50 mm, No.				
		of poles: 4, 180°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

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 3.50	1642250000	PCB plug-in connector, male	4008190280772	50 pc(s).	IEC: 200 V / 10.5 A	Box
V/08/90G 3.2		header, closed side, Solder			UL: 300 V / 8 A	
SN OR BX		connection, 3.50 mm, No.				
		of poles: 8, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, Box				

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK 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	1753004002	PCB plug-in connector, male	4032248193219	265 pc(s).	IEC: 320 V / 15 A	Tape
3.50/04/180G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK RL		solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

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	1761564002	PCB plug-in connector, male	4032248193349	385 pc(s).	IEC: 320 V / 15 A	Tape
3.50/04/90G		header, closed side, Reflow			UL: 300 V / 10 A	
1.5SN BK RL		solder connection, 3.50 mm, No. of poles: 4, 90°				

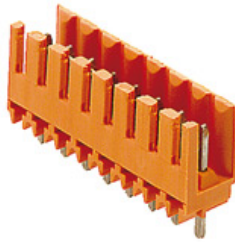
OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Mating connector (fully pluggable)

Solder pin length (l): 1.5
mm, tinned, Black, Tape

SL 3.50/180



Male header with 3.50 mm pitch for wave soldering

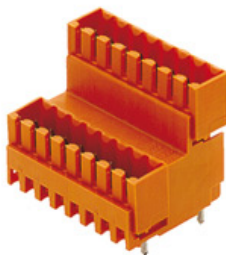
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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 3.50/04/180 3.2SN OR BX	1604790000	PCB plug-in connector, male header, open side, Solder connection, 3.50 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190127855	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 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

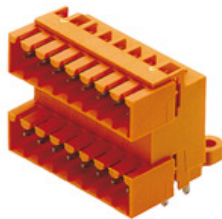
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 3.5 V/8/180G 3.2OR	1641120000	PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279523	50 pc(s).	IEC: 200 V / 10.5 A UL: 300 V / 8 A	Box

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Mating connector (fully pluggable)

SLD 3.50/90G



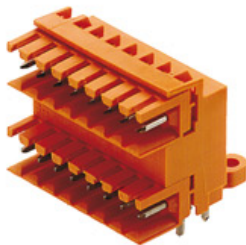
Two-tier male connector for wave soldering, with 3.50 mm pitch The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 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	1633600000	PCB plug-in connector, male	4008190258054	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/08/90G		header, closed side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 8 A	
3.2SN OR BX						

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	1633370000	PCB plug-in connector, male	4008190257828	50 pc(s).	IEC: 200 V / 10.5 A	Box
3.50/08/90		header, open side, Solder connection, 3.50 mm, No. of poles: 8, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 8 A	
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 3.50 BL 3.50/04/90 SN BK BX

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Mating connector (fully 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	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1003530000	PCB plug-in connector, male	4032248700165	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/135F		header, Flange, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 135°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

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	1841650000	PCB plug-in connector, male	4032248352807	100 pc(s).	IEC: 320 V / 15 A	Box
3.50/04/90G		header, closed side, Reflow			UL: 300 V / 10 A	
3.2SN BK BX		solder connection, 3.50 mm, No. of poles: 4, 90°				

OMNIMATE Signal - series BL/SL 3.50

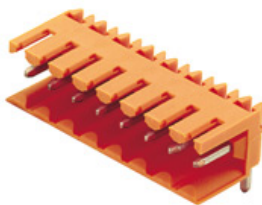
BL 3.50/04/90 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 3.50/04/90G 1.5SN BK BX	1761562001	Solder pin length (l): 3.2 mm, tinned, Black, Box	PCB plug-in connector, male4032248132058 100 pc(s). header, closed side, Reflow solder connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box

SL 3.50/90



Male header with 3.50 mm pitch for wave soldering

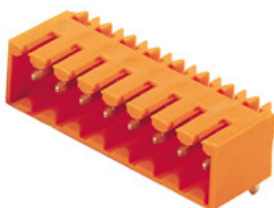
- Plugging direction angled to the PCB (135°)
- Housing variant: screw flange (F)
- Packaged in cardboard box (BX)
- Male header can be coded

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	1597230000	PCB plug-in connector, male	4008190029838	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
3.50/04/90		header, open side, Solder				
3.2SN OR BX		connection, 3.50 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

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	1605090000	PCB plug-in connector, male	4008190054304	100 pc(s).	IEC: 320 V / 17 A UL: 300 V / 10 A	Box
3.50/04/90G		header, closed side, Solder				
3.2SN OR BX		connection, 3.50 mm, No. of poles: 4, 90°, Solder pin				

OMNIMATE Signal - series BL/SL 3.50
BL 3.50/04/90 SN BK BX

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Mating connector (fully pluggable)

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