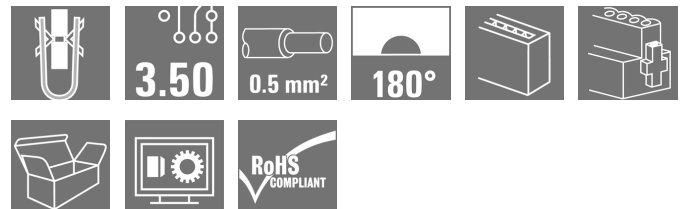


BLIDCB 3.50/06/-F SN OR BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

Female connectors for fast processing with insulation displacement connectors (IDC) for connecting wires at 3.50 pitch. They provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, female plug, 3.50 mm, Number of poles: 6, 90°/270°, IDC terminal, Clamping range, max. : 0.5 mm², Box
Order No.	1751490000
Type	BLIDCB 3.50/06/-F SN OR BX
GTIN (EAN)	4032248174423
Qty.	10 pc(s).
Product data	IEC: 250 V / 6 A / 0.35 - 0.5 mm² UL: 300 V / 7 A / AWG 22 - AWG 20
Packaging	Box

Creation date October 28, 2021 1:36:14 AM CEST

BLIDCB 3.50/06/-F SN OR BX**Weidmüller Interface GmbH & Co. KG**

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Technical data**Dimensions and weights**

Depth	21.2 mm	Depth (inches)	0.835 inch
Height	12.5 mm	Height (inches)	0.492 inch
Net weight	7.2 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 3.50		
Type of connection	Field connection		
Wire connection method	IDC terminal		
Pitch in mm (P)	3.5 mm		
Pitch in inches (P)	0.138 inch		
Conductor outlet direction	90°/270°		
Number of poles	6		
L1 in mm	17.5 mm		
L1 in inches	0.689 inch		
Number of rows	1		
Pin series quantity	1		
Rated cross-section	0.5 mm ²		
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		
Touch-safe protection acc. to DIN VDE 0470	IP 20		
Volume resistance	≤5 mΩ		
Can be coded	Yes		
Screwdriver blade	0.4 x 2.5		
Screwdriver blade standard	DIN 5264-A		
Plugging cycles	25		
Plugging force/pole, max.	7.5 N		
Pulling force/pole, max.	5.5 N		
Tightening torque	Torque type	Screw flange	
	Usage information	Tightening torque	min. 0.15 Nm max. 0.2 Nm

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	CuSn
Contact surface	tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	80 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	80 °C		

BLIDCB 3.50/06/-F SN OR BX**Weidmüller Interface GmbH & Co. KG**

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Technical data**Conductors suitable for connection**

Clamping range, min.	0.32 mm ²	Clamping range, max.	0.5 mm ²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 20
Solid, min. H05(07) V-U	0.35 mm ²	Solid, max. H05(07) V-U	0.5 mm ²
Flexible, min. H05(07) V-K	0.35 mm ²	Flexible, max. H05(07) V-K	0.5 mm ²
Outer diameter of insulation, max.	2.1 mm		
		Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	6 A
Rated current, max. number of poles (Tu=20°C)	6 A	Rated current, min. number of poles (Tu=40°C)	6 A
Rated current, max. number of poles (Tu=40°C)	5 A	Rated voltage for surge voltage class / pollution degree II/2	250 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 60 A

Rated data acc. to CSA

Institute (CSA)		Certificate No. (CSA)	200039-1068660
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	7 A	Rated current (Use group D / CSA)	7 A
Wire cross-section, AWG, min.	AWG 22	Wire cross-section, AWG, max.	AWG 20
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 / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	7 A	Rated current (Use group D / UL 1059)	7 A
Wire cross-section, AWG, min.	AWG 22	Wire cross-section, AWG, max.	AWG 20
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

BLIDCB 3.50/06/-F SN OR BX**Weidmüller Interface GmbH & Co. KG**

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Technical data**Packing**

Packaging	Box	VPE length	72 mm
VPE width	89 mm	VPE height	42 mm

Type tests

Test: Durability of markings	Standard	draft DIN VDE 0627 section 6.2.2 / 09.91
	Test	mark of origin, type identification, type of material
	Evaluation	available
	Test	durability
	Evaluation	passed

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02		

Important note

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.
Notes	• Additional colours on request • Rated current related to rated cross-section & min. No. of poles. • For IDC contact 0.5: cable acc. to DIN EN 60352-4 • AWG conductor: solid, 7 or 19 strands only • Temperature range -20 to +80 °C • BLIDC 3.5 and BLIDCB 3.5 conductors "solid"/"flexible" to DIN 47726 • 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. • Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Approvals

Approvals



ROHS	Conform
UL File Number Search	E60693

BLIDCB 3.50/06/-F SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Downloads

Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
Catalogues	Catalogues in PDF-format
Brochures	FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FL INDUSTR.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTR EN FL APPL INVERTER EN FL_BASE_STATION_EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN PO OMNIMATE EN

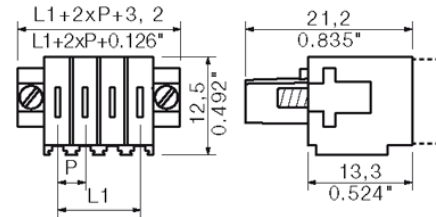
BLIDCB 3.50/06/-F SN OR BX

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D-32758 Detmold
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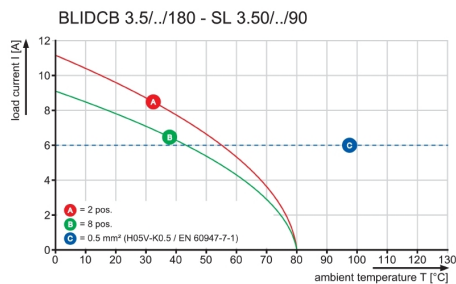
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Drawings

Dimensional drawing



Graph



BLIDCB 3.50/06/-F SN OR BX

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Klingenbergstraße 26

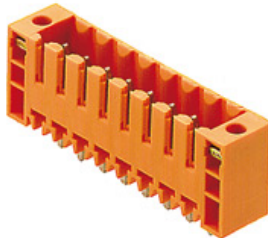
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Germany

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Mating connector (fully pluggable)

SL 3.50/180F



Pin headers for wave soldering in 3.50 mm pitch

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

General ordering data

Type	SL 3.50/06/180F 3.2SN D ...	Version	Product data	Packaging
Order No.	1622520000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190193188	3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, Signal green, Box		
Type	SL 3.50/06/180F 4.5 SN ...	Version	Product data	Packaging
Order No.	1616180000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190068394	3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, black, Box		
Type	SL 3.50/06/180F 3.2SN G ...	Version	Product data	Packaging
Order No.	1622300000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190190002	3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, Pebble grey, Box		
Type	SL 3.50/06/180F 4.5 SN ...	Version	Product data	Packaging
Order No.	1618730000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190127312	3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, orange, Box		
Type	SL 3.50/06/180F 3.2SN O ...	Version	Product data	Packaging
Order No.	1607540000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190177140	3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (fully pluggable)

SL-SMT 3.5/90LF Tape



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

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

General ordering data

Type	SL-SMT 3.50/06/90LF 1.5 ...	Version	Product data	Packaging
Order No.	1805350000	PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248269600			
Qty.	385 pc(s).			

SL-SMT 3.5/180LF Tape



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

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

General ordering data

Type	SL-SMT 3.50/06/180LF 1.5 ...	Version	Product data	Packaging
Order No.	1805270000	PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A UL: 300 V / 10 A	Tape
GTIN (EAN)	4032248269532			
Qty.	265 pc(s).			

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (fully pluggable)

SL-SMT 3.5/180F Box



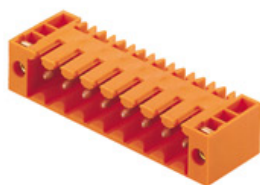
High-temperature-resistant male header, 3.50 mm pitch.

- **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	SL-SMT 3.50/06/180F 3.2 ...	Version	Product data	Packaging
Order No.	1842810000	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248354177		UL: 300 V / 10 A	
Qty.	66 pc(s).			
Type	SL-SMT 3.50/06/180F 1.5 ...	Version	Product data	Packaging
Order No.	1761002001	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248131570		UL: 300 V / 10 A	
Qty.	66 pc(s).			

SL 3.50/90F



Pin headers for wave soldering in 3.50 mm pitch

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

General ordering data

Type	SL 3.50/06/90F 3.2SN OR ...	Version	Product data	Packaging
Order No.	1607080000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: / 17 A	Box
GTIN (EAN)	4008190101312		UL: 300 V / 10 A	
Qty.	50 pc(s).			
Type	SL 3.50/06/90F 3.2SN BK ...	Version	Product data	Packaging
Order No.	1704240000	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: / 17 A	Box
GTIN (EAN)	4008190912086		UL: 300 V / 10 A	
Qty.	50 pc(s).			

BLIDCB 3.50/06/-F SN OR BX

Weidmüller Interface GmbH & Co. KG

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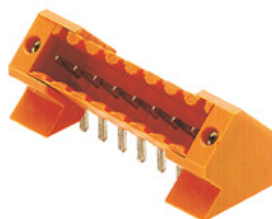
Germany

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Mating connector (fully pluggable)

Type	SL 3.50/06/90F 4.5 SN O ...	Version	Product data	Packaging
Order No.	1618100000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: / 17 A	Box
GTIN (EAN)	4008190116248	3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, orange, Box		
Type	SL 3.50/06/90F 4.5 SN B ...	Version	Product data	Packaging
Order No.	1615570000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: / 17 A	Box
GTIN (EAN)	4008190057411	3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, black, Box		
Type	SL 3.50/06/90F 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619890000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: / 17 A	Box
GTIN (EAN)	4008190149093	3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, Pebble grey, Box		
Type	SL 3.50/06/90F 3.2SN DK ...	Version	Product data	Packaging
Order No.	1620100000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: / 17 A	Box
GTIN (EAN)	4008190151638	3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, Signal green, Box		

SL 3.50/135F



Pin headers for wave soldering in 3.50 mm pitch

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

General ordering data

Type	SL 3.50/06/135F 4.5SN B ...	Version	Product data	Packaging
Order No.	1643850000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 15 A	Box
GTIN (EAN)	4008190282615	3.50 mm, Number of poles: 6, 135°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, black, Box		
Type	SL 3.50/06/135F 4.5SN O ...	Version	Product data	Packaging
Order No.	1643620000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 15 A	Box
GTIN (EAN)	4008190282387	3.50 mm, Number of poles: 6, 135°, Solder pin length (l): 4.5 mm,	UL: 300 V / 10 A	
Qty.	50 pc(s).	tinned, orange, Box		
Type	SL 3.50/06/135F 3.2SN O ...	Version	Product data	Packaging
Order No.	1643370000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 320 V / 15 A	Box
GTIN (EAN)	4008190282134	3.50 mm, Number of poles: 6, 135°, Solder pin length (l): 3.2 mm,	UL: 300 V / 10 A	
Qty.	66 pc(s).	tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (fully pluggable)

SL-SMT 3.5/180LF Box



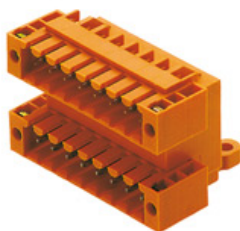
High-temperature-resistant male header, 3.50 mm pitch.

- **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	SL-SMT 3.50/06/180LF 3. ...	Version	Product data	Packaging
Order No.	1842580000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353941	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	3.2 mm, tinned, black, Box		
Type	SL-SMT 3.50/06/180LF 1. ...	Version	Product data	Packaging
Order No.	1804740000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248268825	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	1.5 mm, tinned, black, Box		

SLD 3.50/90F



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

General ordering data

Type	SLD 3.50/12/90F 3.2SN O ...	Version	Product data	Packaging
Order No.	1633850000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258306	3.50 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, orange, Box		
Type	SLD 3.50/12/90F 4.5SN B ...	Version	Product data	Packaging
Order No.	1634540000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258993	3.50 mm, Number of poles: 12, 90°, Solder pin length (l): 4.5 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, black, Box		

BLIDCB 3.50/06/-F SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

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Mating connector (fully pluggable)

SL-SMT 3.50/90F Tray



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

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

General ordering data

Type	SL-SMT 3.50/06/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762043001	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tray	IEC: 320 V / 15 A UL: 300 V / 10 A	Tray
GTIN (EAN)	4032248134083			
Qty.	54 pc(s).			

SL-SMT 3.5/90F Box



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

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

General ordering data

Type	SL-SMT 3.50/06/90F 3.2S ...	Version	Product data	Packaging
Order No.	1842120000	PCB plug-in connector, male header, Flange, THT/THR solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 320 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248353477			
Qty.	66 pc(s).			

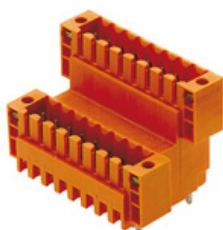
BLIDCB 3.50/06/-F SN OR BX

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Mating connector (fully pluggable)

Type	SL-SMT 3.50/06/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762042001	PCB plug-in connector, male header, Flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248132454	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	1.5 mm, tinned, black, Box		

SLD 3.50V/180F

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

General ordering data

Type	SLD 3.50 V/12/180F 3.2 ...	Version	Product data	Packaging
Order No.	1641260000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279660	3.50 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, orange, Box		

SL-SMT 3.50/90F Tape

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

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

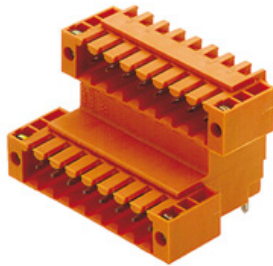
General ordering data

Type	SL-SMT 3.50/06/90F 1.5S ...	Version	Product data	Packaging
Order No.	1762044001	PCB plug-in connector, male header, Flange, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248136223	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		

BLIDCB 3.50/06/-F SN OR BX

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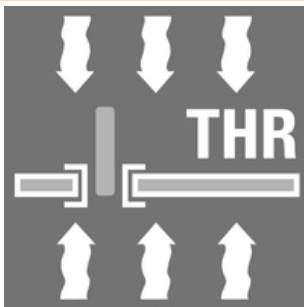
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Mating connector (fully pluggable)
SLD 3.50V/90F


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	SLD 3.50 V/12/90F 3.2 S ...	Version	Product data	Packaging
Order No.	1642390000	PCB plug-in connector, male header, Flange, THT solder connection,	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280918	3.50 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm,	UL: 300 V / 8 A	
Qty.	50 pc(s).	tinned, orange, Box		

SL-SMT 3.50/180 Tape


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

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

General ordering data

Type	SL-SMT 3.50/06/180 1.5S ...	Version	Product data	Packaging
Order No.	1760774001	PCB plug-in connector, male header, open side, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248135721	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	265 pc(s).	1.5 mm, tinned, black, Tape		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (fully 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	SL-SMT 3.50/06/90LF 1.5 ...	Version	Product data	Packaging
Order No.	1804980000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248268887	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	1.5 mm, tinned, black, Box		
Type	SL-SMT 3.50/06/90LF 3.2 ...	Version	Product data	Packaging
Order No.	1841900000	PCB plug-in connector, male header, Solder flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353255	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	3.2 mm, tinned, black, Box		

BLIDCB 3.50/06/-F SN OR BX

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

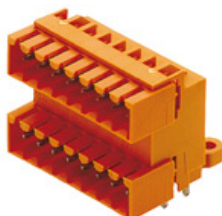
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Mating connector (conditionally pluggable)

SLD 3.50/90G

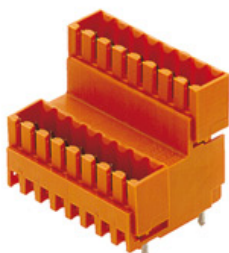


Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

General ordering data

Type	SLD 3.50/12/90G 3.2SN O ...	Version	Product data	Packaging
Order No.	1633620000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258078	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SLD 3.50/12/90G 4.5SN B ...	Version	Product data	Packaging
Order No.	1634310000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258764	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		
Type	SLD 3.50/12/90G 3.2SN D ...	Version	Product data	Packaging
Order No.	1674910000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190445607	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	3.2 mm, tinned, Signal green, Box		

SLD 3.50V/180G



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

General ordering data

Type	SLD 3.50V/12/180G 4.5SN ...	Version	Product data	Packaging
Order No.	1641750000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280161	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 4.5 mm, tinned, black, Box		
Type	SLD 3.50V/12/180G 4.5SN ...	Version	Product data	Packaging
Order No.	1641630000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280031	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 4.5 mm, tinned, orange, Box		
Type	SLD 3.50V/12/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1641130000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279530	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 3.5/180G Tray



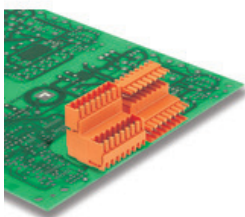
High-temperature-resistant male header, 3.50 mm pitch.

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

General ordering data

Type	SL-SMT 3.50/06/180G 1.5 ...	Version	Product data	Packaging
Order No.	1753023001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tray
GTIN (EAN)	4032248132751	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	1.5 mm, tinned, black, Tray		

SLD 3.50V/180



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

General ordering data

Type	SLD 3.50V/12/180 4.5SN ...	Version	Product data	Packaging
Order No.	1641510000	PCB plug-in connector, male header, open side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279912	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 4.5 mm, tinned, black, Box		
Type	SLD 3.50V/12/180 4.5SN ...	Version	Product data	Packaging
Order No.	1641390000	PCB plug-in connector, male header, open side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279790	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 4.5 mm, tinned, orange, Box		
Type	SLD 3.50V/12/180 3.2SN ...	Version	Product data	Packaging
Order No.	1641000000	PCB plug-in connector, male header, open side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190279400	connection, 3.50 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 8 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (conditionally 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	SL-SMT 3.50/06/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761584001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248136025	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		

SLD 3.50V/90G



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

General ordering data

Type	SLD 3.50V/12/90G 4.5SN ...	Version	Product data	Packaging
Order No.	1642880000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190281472	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		
Type	SLD 3.50V/12/90G 3.2SN ...	Version	Product data	Packaging
Order No.	1642260000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280789	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SLD 3.50V/12/90G 4.5SN ...	Version	Product data	Packaging
Order No.	1642760000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190281359	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX

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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	SL-SMT 3.50/06/180G 1.5 ...	Version	Product data	Packaging
Order No.	1753022001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248130924	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	1.5 mm, tinned, black, Box		

Type	SL-SMT 3.50/06/180G 3.2 ...	Version	Product data	Packaging
Order No.	1842360000	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353712	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	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	SL-SMT 3.50/06/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761582001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248132072	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	1.5 mm, tinned, black, Box		

BLIDCB 3.50/06/-F SN OR BX

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Mating connector (conditionally pluggable)

Type	SL-SMT 3.50/06/90G 3.2S ...	Version	Product data	Packaging
Order No.	1841670000	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248353026	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, black, 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	SL-SMT 3.50/06/135F 3.2 ...	Version	Product data	Packaging
Order No.	1003550000	PCB plug-in connector, male header, Flange, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248726721	connection, 3.50 mm, Number of poles: 6, 135°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	66 pc(s).	3.2 mm, tinned, black, Box		

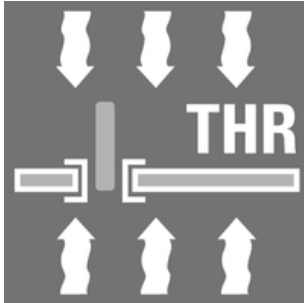
BLIDCB 3.50/06/-F SN OR BX

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Mating connector (conditionally pluggable)

SL-SMT 3.50/90 Tape



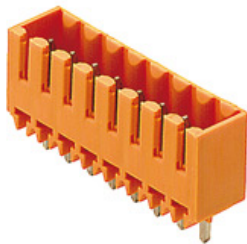
High-temperature-resistant male header, 3.50 mm pitch.

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

General ordering data

Type	SL-SMT 3.50/06/90 1.5SN ...	Version	Product data	Packaging
Order No.	1761814001	PCB plug-in connector, male header, open side, THT/THR solder	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248136124	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	385 pc(s).	1.5 mm, tinned, black, Tape		

SL 3.50/180G



Pin headers for wave soldering in 3.50 mm pitch

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

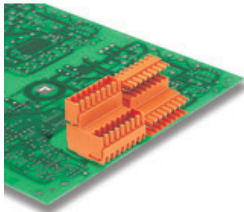
General ordering data

Type	SL 3.50/06/180G 4.5SN O ...	Version	Product data	Packaging
Order No.	1604660000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190026950	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/06/180G 3.2SN O ...	Version	Product data	Packaging
Order No.	1604510000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190159559	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SL 3.50/06/180G 4.5SN B ...	Version	Product data	Packaging
Order No.	1616050000	PCB plug-in connector, male header, closed side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190065836	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		

BLIDCB 3.50/06/-F SN OR BX

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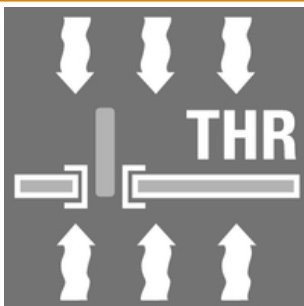
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Mating connector (conditionally pluggable)
SLD 3.50V/90


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

General ordering data

Type	SLD 3.50V/12/90 4.5SN O ...	Version	Product data	Packaging
Order No.	1642520000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190281045	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Type	SLD 3.50V/12/90 3.2SN O ...	Version	Product data	Packaging
Order No.	1642110000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190280604	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SLD 3.50V/12/90 4.5SN B ...	Version	Product data	Packaging
Order No.	1642640000	PCB plug-in connector, male header, closed side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190281168	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		

SL-SMT 3.50/180 Box


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

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

General ordering data

Type	SL-SMT 3.50/06/180 1.5S ...	Version	Product data	Packaging
Order No.	1760772001	PCB plug-in connector, male header, open side, THT/THR solder	IEC: 320 V / 15 A	Box
GTIN (EAN)	4032248198290	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	1.5 mm, tinned, black, Box		

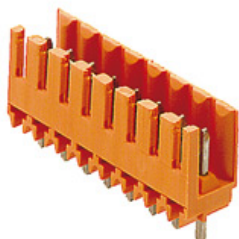
BLIDCB 3.50/06/-F SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Mating connector (conditionally pluggable)

SL 3.50/180



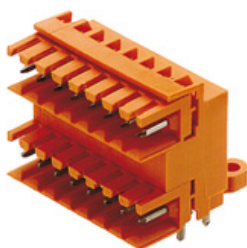
Pin headers for wave soldering in 3.50 mm pitch

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

General ordering data

Type	SL 3.50/06/180 3.2SN DK ...	Version	Product data	Packaging
Order No.	1607240000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190014483	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Signal green, Box		
Type	SL 3.50/06/180 4.5SN BK ...	Version	Product data	Packaging
Order No.	1610150000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190139476	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		
Type	SL 3.50/06/180 3.2SN GY ...	Version	Product data	Packaging
Order No.	1621520000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190174682	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Pebble grey, Box		
Type	SL 3.50/06/180 4.5 SN O ...	Version	Product data	Packaging
Order No.	1604960000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190030995	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/06/180 3.2SN OR ...	Version	Product data	Packaging
Order No.	1604810000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190145460	connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		

SLD 3.50/90



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

General ordering data

Type	SLD 3.50/12/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1633390000	PCB plug-in connector, male header, open side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190257842	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		

BLIDCB 3.50/06/-F SN OR BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

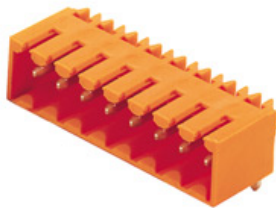
D-32758 Detmold

Germany

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Mating connector (conditionally pluggable)

Type	SLD 3.50/12/90 4.5SN BK ...	Version	Product data	Packaging
Order No.	1634080000	PCB plug-in connector, male header, open side, THT solder	IEC: 200 V / 10.5 A	Box
GTIN (EAN)	4008190258535	connection, 3.50 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 8 A	
Qty.	50 pc(s).	4.5 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	SL 3.50/06/90G 4.5SN OR ...	Version	Product data	Packaging
Order No.	1605260000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190117306	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/06/90G 3.2SN BK ...	Version	Product data	Packaging
Order No.	1732030000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190390624	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, black, Box		
Type	SL 3.50/06/90G 4.5SN BK ...	Version	Product data	Packaging
Order No.	1615440000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190054670	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		
Type	SL 3.50/06/90G 3.2SN DK ...	Version	Product data	Packaging
Order No.	1598990000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190093983	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Signal green, Box		
Type	SL 3.50/06/90G 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619500000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190141097	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Pebble grey, Box		
Type	SL 3.50/06/90G 3.2SN OR ...	Version	Product data	Packaging
Order No.	1605110000	PCB plug-in connector, male header, closed side, THT solder	IEC: / 17 A	Box
GTIN (EAN)	4008190059552	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		

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Mating connector (conditionally pluggable)

SL-SMT 3.5/180G Tape



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

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

General ordering data

Type	SL-SMT 3.50/06/180G 1.5 ...	Version	Product data	Packaging
Order No.	1753024001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 6, 180°, Solder pin length (l): 1.5 mm, tinned, black, Tape	IEC: 320 V / 15 A	Tape
GTIN (EAN)	4032248135622		UL: 300 V / 10 A	
Qty.	265 pc(s).			

SL-SMT 3.5/90G Tray



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

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

General ordering data

Type	SL-SMT 3.50/06/90G 1.5S ...	Version	Product data	Packaging
Order No.	1761583001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tray	IEC: 320 V / 15 A	Tray
GTIN (EAN)	4032248133857		UL: 300 V / 10 A	
Qty.	66 pc(s).			

BLIDCB 3.50/06/-F SN OR BX

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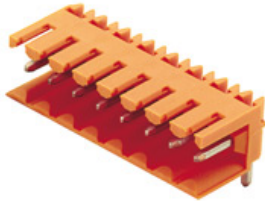
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Mating connector (conditionally pluggable)

SL 3.50/90



Pin headers for wave soldering in 3.50 mm pitch

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

General ordering data

Type	SL 3.50/06/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1597250000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190163624	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SL 3.50/06/90 4.5SN OR ...	Version	Product data	Packaging
Order No.	1605410000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190013806	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Type	SL 3.50/06/90 4.5SN BK ...	Version	Product data	Packaging
Order No.	1615330000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190052911	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		
Type	SL 3.50/06/90 3.2SN GY ...	Version	Product data	Packaging
Order No.	1619110000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190134266	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Pebble grey, Box		
Type	SL 3.50/06/90 3.2SN DKG ...	Version	Product data	Packaging
Order No.	1599010000	PCB plug-in connector, male header, open side, THT solder	IEC: 320 V / 17 A	Box
GTIN (EAN)	4008190063429	connection, 3.50 mm, Number of poles: 6, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	50 pc(s).	3.2 mm, tinned, Signal green, Box		

BLIDCB 3.50/06/-F SN OR BX

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Accessories

Coding elements

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

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

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

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

General ordering data

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

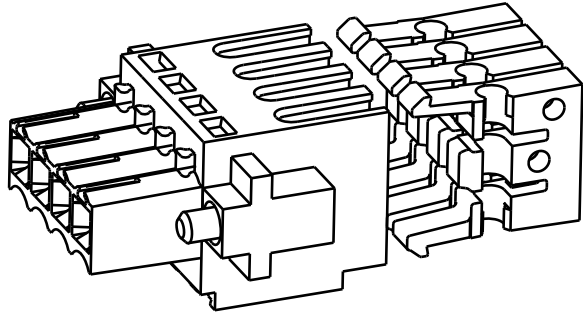
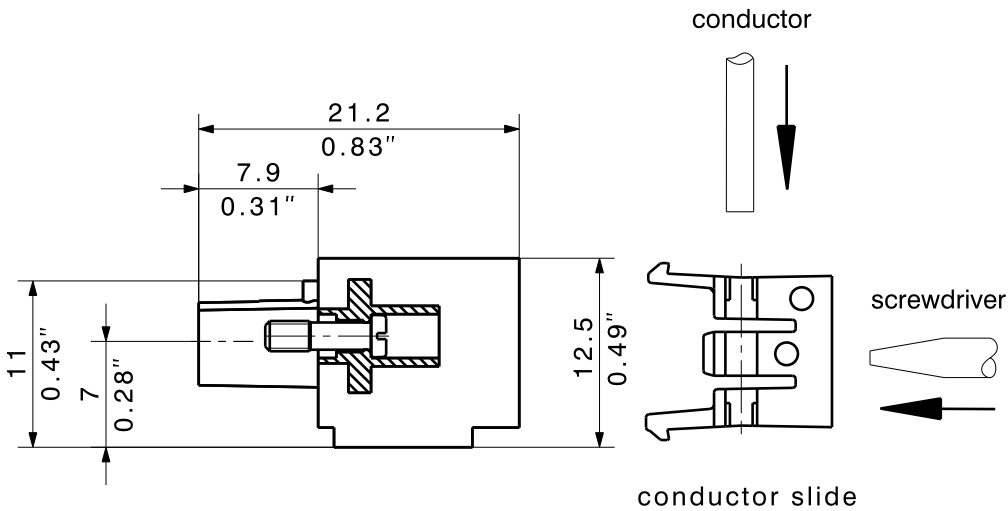
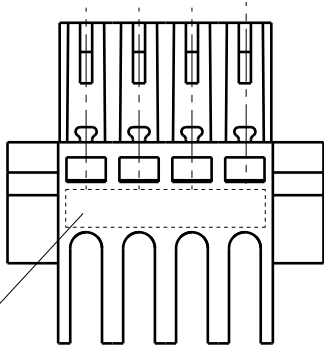
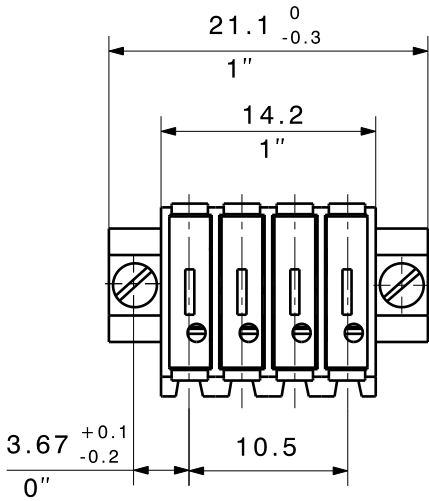
Technical Data

Rev.		Material data	
		Insulation material type	PBT
		Insulation material colours	orange
		Insulation material flammability class	UL94 V-0
		Insulation resistance	MOhm >10 ⁵
		Contact base material	Cu-alloy
		Contact plating	tin plated
		System characteristic values	
		with counterpart	
		Pitch P	mm/inch 3.5/0.138
		Number of rows	1
		Dielectric strength (r.m.s withstand voltage)	kV >1.39
		Mechanical operating cycles	acc. to IEC 512 >50
		Plug in force (max.)	N/pole 10 1)
		Pull out force (max.)	N/pole 10 1)
		Through resistance (typical)	mOhm <5,0
		Operating temperature range	°C -20... +80 2)
		Degree of protection acc. to VDE 0106 (plugged/unplugged)	finger safe/back of hands
		Degree of protection acc. to DIN EN 60529 (plugged/unplugged)	IP20/IP10
		Conductor connection method	IDC connection
		Screw size	n.a.
		Screw torque max. acc. to EN 60999	Nm n.a.
		Screw driver type	0.4 x 2.5
		Application notes	
		Coding possibility	yes/no yes (accessory)
		Joinable without loss of pitch	yes/no yes
		Manual assembly of modules	yes/no no
		Max. number of poles	n 12
		Conductor	
		Clamping range	mm ² 0.35 ... 0.5
		"e" solid H05(07) V-U	mm ² 0.5
		"f" flexible H05(07) V-K	mm ² 0.5
		"f" with ferrule acc. to DIN 46228/1	mm ² n.a.
		... with plastic collar acc. to DIN 46228/4	mm ² n.a.
		Conductor insulation stripping length	mm/inch n.a.
		Conductor insulation diameter max.	mm/inch 2.1
		Two wire clamping range	mm ² n.a.
		Gauge to EN 60999 (a x b ; Ø)	mm n.a.
		IEC 664-1 / VDE0110 (4.97) rated data	
		Rated cross section acc. to EN 60999	mm ² 0.5
		Rated current @ 20°C ambient (together with)	A 6 (SL 3.5) 3)
		Rated current @ 40°C ambient (together with)	A 6 (SL 3.5) 3)
		Overvoltage category / Pollution degree	
		Rated voltage	V III/3 III/2 II/2 160 250 320
		Rated impulse voltage	kV 2.5 2.5 2.5
		UL 1059 rated data	
		File No.: E60693	B C D
		Rated voltage	V 300
		Rated current	A 7
		AWG wire range (field wiring / factory wiring)	22 ... 20
		CSA C22.2 rated data	
		File No.: LR12400	B C D
		Rated voltage	V 300
		Rated current	A 7
		AWG wire range (field wiring / factory wiring)	22 ... 20
		Packaging	
			card box
		Downloads	
			www.weidmueller.de

- 1) Without locking latches
- 2) Sum of ambient temperature and temperature rise
- 3) Referred to rated cross section and minimum pole number

n.a. = not applicable

Subject to technical changes



16	52,50	2,067
15	49,00	1,929
14	45,50	1,791
13	42,00	1,654
12	38,50	1,516
11	35,00	1,378
10	31,50	1,240
9	28,00	1,102
8	24,50	0,965
7	21,00	0,827
6	17,50	0,689
5	14,00	0,551
4	10,50	0,413
3	7,00	0,276
2	3,50	0,138
n	L1 [mm]	L1 [inch]

For the mounting of PCBs, it should be noted that the rated data stated here relates only to the PCB components alone.
The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to IEC 664 / VDE 0110.
The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.

Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application.
Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

shown: BLIDCB 3.5/4F

METRIC TOLERANCES:
X. = ±0.3
X.X = ±0.1
X.XX = ±0.05

③ :
② :
① :

MODIFICATION

METRIC/INCH DIMENSIONS

SCALE: 2:1

SUPERSEDES: .

SUPERSEDED BY: .

DATE

NAME

DRAWN 17.12.02 Lux

RESPONSIBLE 17.12.02 Lux

CHECKED 25.09.03 Phillips

APPROVED 26.09.03 Endres

Weidmüller

C 27649

DRAWING NO. ISSUE NO.

SHEET: 2 OF 2 SHEETS

BLIDCB 3.5/2...12/F

Socket Block

PRODUCT FILE: BLIDCB 3.5 Customer Drawing