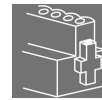
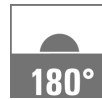
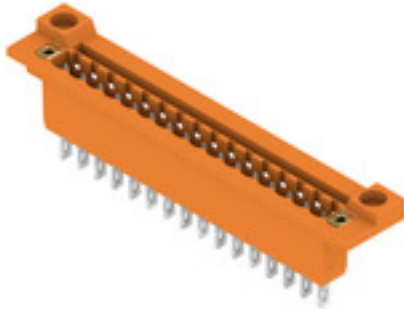


SLDF 5.08/16/180F L/F SN OR BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, male header, 5.08 mm, Number of poles: 16, 180°, Flat-blade connection, Solder connection, Box
Order No.	2540790000
Type	SLDF 5.08/16/180F L/F SN OR BX
GTIN (EAN)	4050118553086
Qty.	18 pc(s).
Product data	IEC: 400 V / 15 A UL: 300 V / 10 A
Packaging	Box

Creation date January 28, 2023 3:37:15 PM CET

SLDF 5.08/16/180F L/F SN OR BX

Weidmüller Interface GmbH & Co. KG

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D-32758 Detmold

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Technical data

Dimensions and weights

Depth	28 mm	Depth (inches)	1.102 inch
Height	17.32 mm	Height (inches)	0.682 inch
Width	100.9 mm	Width (inches)	3.972 inch
Net weight	15.732 g		

Temperatures

Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
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System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.2 inch
Outgoing elbow	180°	Number of poles	16
L1 in mm	76.2 mm	L1 in inches	3 inch
Number of rows	1	Pin series quantity	1
Protection degree	IP20	Volume resistance	≤5 mΩ
Can be coded	Yes	Plugging cycles	25
Plugging force/pole, max.	6.5 N	Pulling force/pole, max.	5 N

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	UL 94 flammability rating	V-0
Contact material	CuSn	Contact surface	tinned
Layer structure of plug contact	4...8 µm Sn hot-dip tinned	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C		

Conductors suitable for connection

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.
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Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	15 A
Rated current, min. number of poles (Tu=40°C)	13 A	Rated voltage for surge voltage class / pollution degree II/2	400 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV		

SLDF 5.08/16/180F L/F SN OR BX

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Technical data

Rated data acc. to CSA

Rated voltage (Use group B / CSA) 300 V

Rated current (Use group B / CSA) 10 A

Rated voltage (Use group D / CSA) 300 V

Rated current (Use group D / CSA) 10 A

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059) 300 V

Rated current (Use group B / UL 1059) 10 A

Rated voltage (Use group D / UL 1059) 300 V

Rated current (Use group D / UL 1059) 10 A

Packing

Packaging Box

VPE width 135 mm

VPE length 350 mm

VPE height 38 mm

Classifications

ETIM 6.0 EC002637

ETIM 8.0 EC002637

ECLASS 9.1 27-44-04-02

ECLASS 11.0 27-46-02-01

ETIM 7.0 EC002637

ECLASS 9.0 27-44-04-02

ECLASS 10.0 27-44-04-02

ECLASS 12.0 27-46-02-01

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

SCIP beb3b726-b512-4df5-8ccf-6e4395dc0e51

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 • Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Downloads

Product Change Notification [EN - Change of packaging](#)
[DE - Change of packaging](#)
[Packaging SLDF-PL30 DE](#)
[Packaging SLDF-PL30 EN](#)

Catalogues [Catalogues in PDF-format](#)

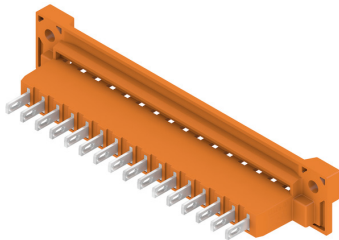
SLDF 5.08/16/180F L/F SN OR BX

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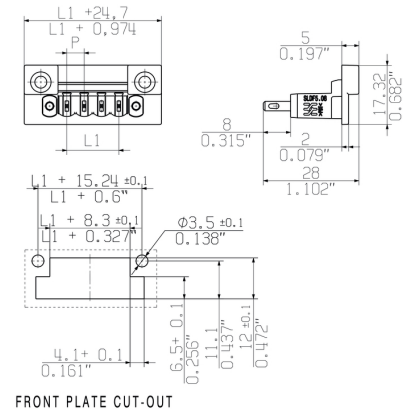
www.weidmueller.com

Drawings

Product image



Dimensional drawing

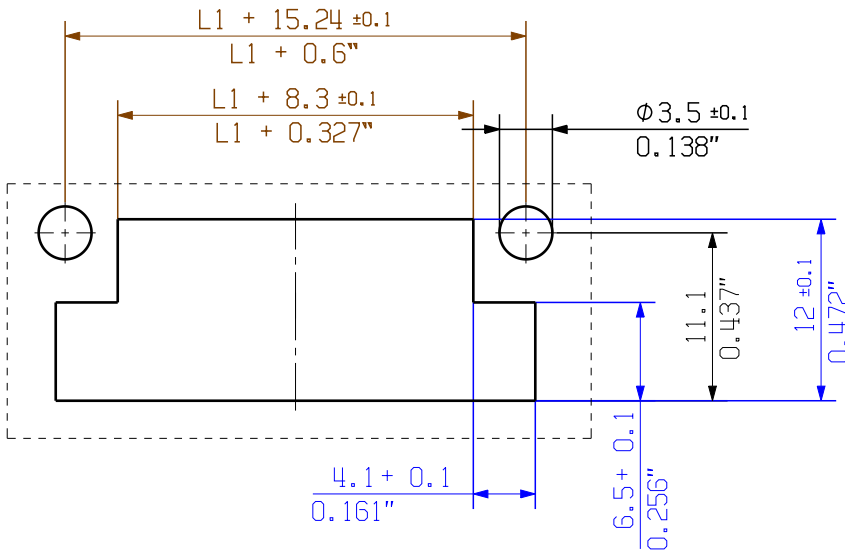
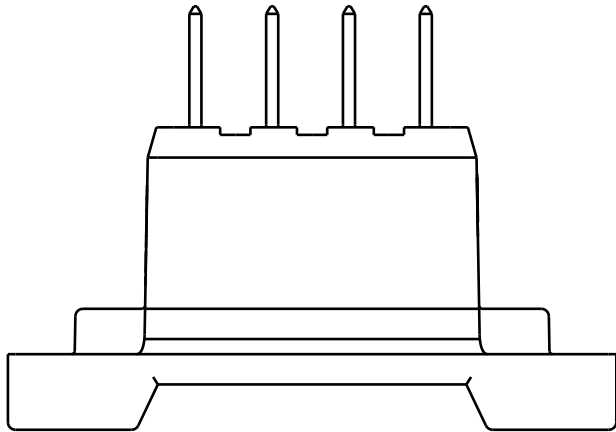
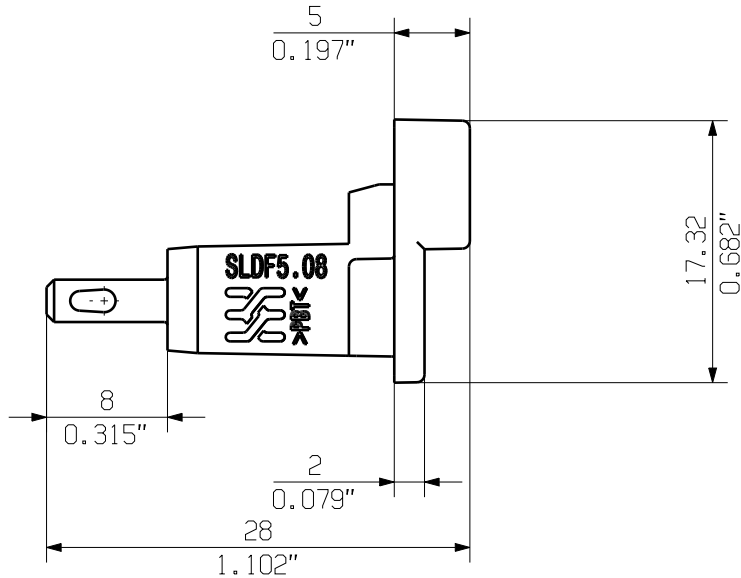
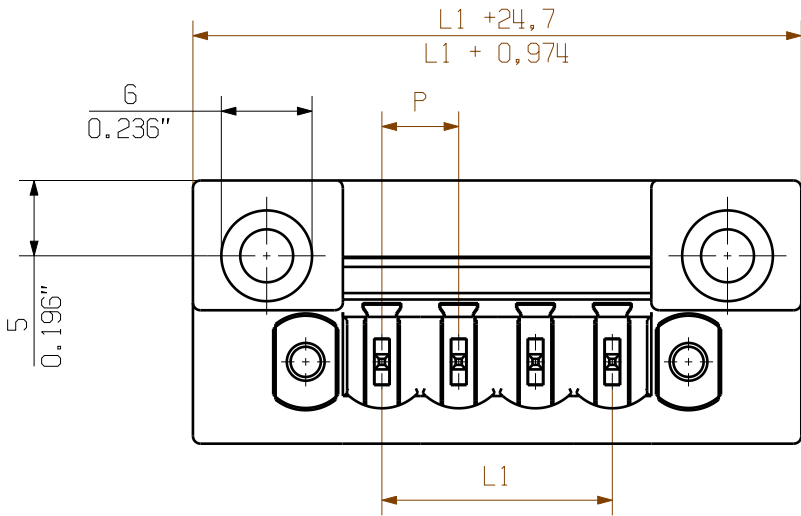


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Dimensions without tolerances are no check dimensions

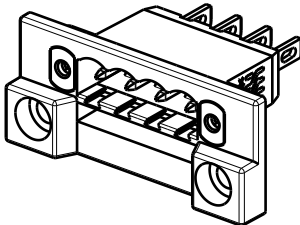
The English version is binding



n = no of poles/Polzahl

P = Pitch/Raster

SHOWN: SLDF 5.08/04/180F...



16	76,20	3,000
15	71,12	2,800
14	66,04	2,600
13	60,96	2,400
12	55,88	2,200
11	50,80	2,000
10	45,72	1,800
9	40,64	1,600
8	35,56	1,400
7	30,48	1,200
6	25,40	1,000
5	20,32	0,800
4	15,24	0,600
3	10,16	0,400
2	5,08	0,200
n	L1 [mm]	L1 [Inch]

For the mounting of PCBs, it should be noted that the rated data 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.

	DIN ISO 2768-m		95845/0 24.05.18 AMANN_A		02			Cat.no.: .	
	Modification		Date		Name			Drawing no. 3 19703 14 Sheet 03 of 03 sheets	
	Drawn	21.11.2007	HELIS_MA	SLDF 5.08 L/F.. STIFTLEISTE PIN HEADER		Product file: SLDF 5.08 7306			
Scale: 2/1	Responsible		AMANN_A						
Supersedes: .	Checked	25.05.2018	HELIS_MA						
	Approved		LANG_T						