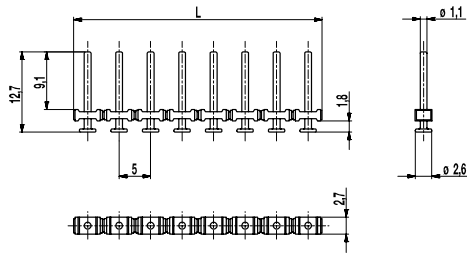
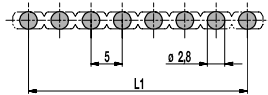


971-SLR-SMD-1,1

Pin strip for SMD
Plug-in area \varnothing 1,1 mm



PCB Layout



$L1 = (\text{No. of poles} - 1) \times \text{pitch}$
Solder paste thickness: 0,15 - 0,2 mm

971-SLR-SMD is a pin strip with a pitch of 5 mm for the application in a reflow soldering process.

In contrary to the well-known pin rows 971-SLR and 971-SLR-THR, for which holes in the PCB are necessary, the SMD types of WECO base on true surface assembly.

Soldering expanses at the end of the pins guarantee optimal retention force on the printed circuit board.

We recommend this pin strip with a diameter of 1,1 in the mating area for higher numbers of poles, in order to minimize the plug-in and withdrawal forces here.

Just like all THR versions of WECO also the housings of the SMD series are made out of high temperature resistant plastic material and exhibit a very high CTI value. For the automatic assembling all pin strips of this series are packed in Tape-on-Reel and equipped with high temperature resistant Pick Caps, which can easily be removed after the soldering process.

Part Numbers

No. of poles	971-SLR-SMD-1,1	Length	PU
2	12.893.822	9,50	1000
3	13.893.822	14,50	500
4	14.893.822	19,50	500
5	15.893.822	24,50	250
6	16.893.822	29,50	250
10	20.893.822	49,50	100
12	22.893.822	59,50	100

further number of poles on request

General Information

Pitch	5 mm
No. of poles	2 - 12
Usable with	plug connectors of series 115-F-.../..-1,1-SW; 950-FL-DS, 950-TFL-DS, 950-NAF-DS, 950-GFL-DS, 950-NLFL-DS, 950-RFL-DS

Technical Data

Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	160 V	160 V	320 V
Rated Impulse Voltage	2,5 kV	2,5 kV	2,5 kV
Rated Insulation Voltage	130 V acc. to EN 60998-1		
Rated Current	10 A		
Soldering process	Reflow solder		

Material

Moulding	PA HT, black, V-0
Comparative Tracking Index	CTI \geq 600
Insulating Group	I
Temperature Range	-40°C up to 120°C; reflow solder temperature peak max. 255°C acc. to DIN EN 61760-1
Solder pin	\varnothing 1,1 mm (plug-in area); tin plated brass

Approvals

	Current [A]	Voltage [V]	Group	AWG	[Nm]
	10 [1]	300	B		
	10	300	B		

[1] Above headers with 1.0 or 1.1 mm dia. pins are rated 12A max. with manufacturer's Cat. No. 120-W-111 terminal blocks. Above headers with 1.1 mm or 1.3 mm dia. pins are rated 12A max. with 115-F-111, 115-F-211 and 115-F-118 terminal blocks.

Options / Accessories

- Other plug pin lengths on request
- Other solder pin surfaces on request

Part Numbers: Tape-on-Reel

No. of poles	971-SLR-SMD-1,1	Tape Width	Tape Height	PU
2	12.893.822.A00	32 mm	15,9 mm	500
3	13.893.822.A00	32 mm	15,9 mm	500
4	14.893.822.A00	56 mm	15,9 mm	500
5	15.893.822.A00	56 mm	15,9 mm	500
6	16.893.822.A00	56 mm	15,9 mm	500
7	17.893.822.A00	56 mm	15,9 mm	500
8	18.893.822.A00	72 mm	14,9 mm	500
9	19.893.822.A00	72 mm	14,9 mm	500
10	20.893.822.A00	72 mm	14,9 mm	500
11	21.893.822.A00	88 mm	15,8 mm	500
12	22.893.822.A00	88 mm	15,8 mm	500

further number of poles on request