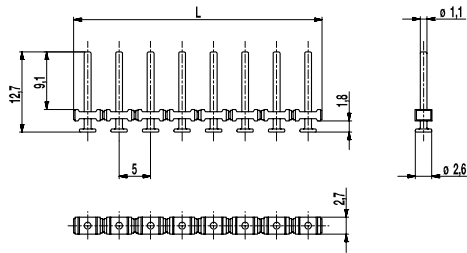


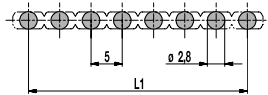
Pin strip for SMD

971-SLR-SMD-1,1

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. 260°C (15-30 s) |
| Solder pin | \varnothing 1,1 mm (plug-in area); tin plated brass |

Approvals

| | Current | Voltage | 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