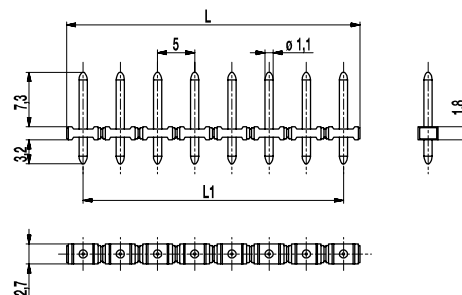
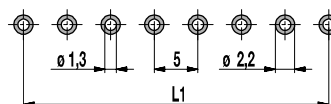


# 971-SLR-THR-1,1

Pin strip for THR

Soldering/plug-in area  $\varnothing$  1,1 mm

## PCB LAYOUT



L1 = (number of poles - 1) x pitch  
Solder paste thickness: 0,15 - 0,2 mm  
Solder pad diameter:  $\varnothing$  2,2 mm

## GENERAL INFORMATION

|              |                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------|
| Pitch        | 5 mm                                                                                                         |
| No. of poles | 2 - 12                                                                                                       |
| Usable with  | plug connectors 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            | 250 V                                               | 320 V | 630 V |
| Rated Impulse Voltage    | 4 kV                                                | 4 kV  | 4 kV  |
| Rated Insulation Voltage | 250 V acc. to EN 60998-1                            |       |       |
| Rated Current            | 10 A                                                |       |       |
| Soldering process        | Wave solder & reflow solder                         |       |       |
| Hole in PCB              | $\varnothing$ 1,3 mm                                |       |       |
| PCB thickness            | Wave solder max. 1,6 mm; reflow solder 1,6 - 3,2 mm |       |       |

## 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.

## 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; tin plated brass                                              |

## OPTIONS / ACCESSORIES

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

## CONFIGURATIONS

| Poles | Item                   | Article number | Length (L) | Packaging    | PU   | Tape Width | Tape Height |
|-------|------------------------|----------------|------------|--------------|------|------------|-------------|
| 2     | 971-SLR-THR-1,1/02     | 12.893.802     | 9,50 mm    | Box          | 1000 |            |             |
| 3     | 971-SLR-THR-1,1/03     | 13.893.802     | 14,50 mm   | Box          | 500  |            |             |
| 4     | 971-SLR-THR-1,1/04     | 14.893.802     | 19,50 mm   | Box          | 500  |            |             |
| 5     | 971-SLR-THR-1,1/05     | 15.893.802     | 24,50 mm   | Box          | 250  |            |             |
| 6     | 971-SLR-THR-1,1/06     | 16.893.802     | 29,50 mm   | Box          | 250  |            |             |
| 8     | 971-SLR-THR-1,1/08     | 18.893.802     | 39,50 mm   | Box          | 250  |            |             |
| 10    | 971-SLR-THR-1,1/10     | 20.893.802     | 49,50 mm   | Box          | 100  |            |             |
| 11    | 971-SLR-THR-1,1/11     | 21.893.802     | 54,50 mm   | Box          | 100  |            |             |
| 12    | 971-SLR-THR-1,1/12     | 22.893.802     | 59,50 mm   | Box          | 100  |            |             |
| 8     | 971-SLR-THR-1,1/08-T&R | 18.893.802.A00 | 39,50 mm   | Tape-on-Reel | 500  | 72 mm      | 14,9 mm     |

further number of poles on request

