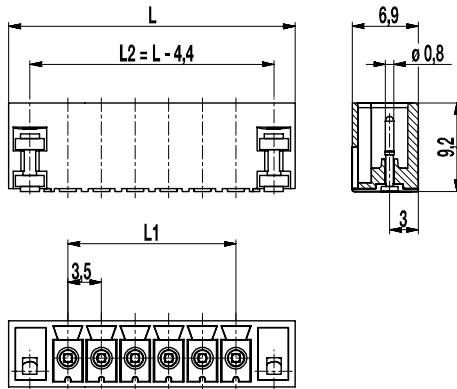
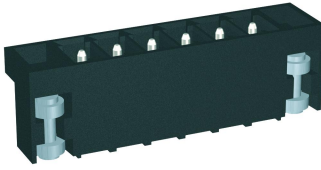


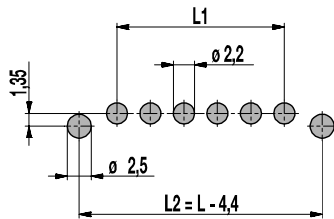
110-M-226-SMD

Pin strip for SMD

Plug-in direction vertical to PCB, with solder flanges



PCB Layout



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

The 110-M-226-SMD is a pin strip for the reflow soldering process in a vertical version with a pitch of 3.5 mm and available in 2 to 12 poles.

This product is characterized by the "Floating Anchors" and "Floating Pins". They are movable in vertical direction and achieve a 100% coplanarity. Side flanges improve the stability and increase the adhesion force on the PC board.

It is compatible with all standard connectors series 110 and 110-A-IDC (Insulation Displacement Contacts).

The housing of the pin strips meets the requirements of the elevated soldering temperatures in the lead-free soldering process.

The pin strips of this series are available in Tape-on-Reel for automatic pick & place and are equipped with high temperature resistant Pick Caps which can easily be removed after the soldering process.

Part Numbers

| No. of poles | 110-M-226-SMD | Length | PU |
|--------------|---------------|--------|-----|
| 2 | 20.843.176 | 15,80 | 200 |
| 3 | 20.843.177 | 19,30 | 200 |
| 4 | 20.843.178 | 22,80 | 100 |
| 5 | 20.843.179 | 26,30 | 100 |
| 6 | 20.843.180 | 29,80 | 100 |
| 7 | 20.843.181 | 33,30 | 50 |
| 8 | 20.843.182 | 36,80 | 50 |
| 9 | 20.843.183 | 40,30 | 50 |
| 10 | 20.843.184 | 43,80 | 50 |
| 11 | 20.843.185 | 47,30 | 50 |
| 12 | 20.843.186 | 50,80 | 50 |

General Information

| | |
|--------------|-----------------------------------|
| Pitch | 3,5 mm |
| No. of poles | 2 - 12 |
| Usable with | all plug connectors of series 110 |

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 | 8 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 | ø 0,8 mm; tin plated brass |
| Solder cylinder | tin plated brass |

Approvals

| | Current [A] | Voltage [V] | Group | AWG | [Nm] |
|--|-------------|-------------|-------|-----|------|
| | 8 | 150 | B | | |
| | 8 | 150 | B | | |

Options / Accessories

- Consecutive numbering
- Special marking according to drawing
- Self-adhesive marking strip BST-3,50 [1]
- Coding elements 120-K-HT-WS

Part Numbers: Tape-on-Reel

| No. of poles | 110-M-226-SMD | Tape Width | Tape Height | PU |
|--------------|----------------|------------|-------------|-----|
| 3 | 20.843.177.A00 | 56 mm | 10,9 mm | 550 |
| 4 | 20.843.178.A00 | 56 mm | 10,9 mm | 550 |
| 5 | 20.843.179.A00 | 56 mm | 10,9 mm | 550 |
| 6 | 20.843.180.A00 | 56 mm | 10,9 mm | 550 |
| 7 | 20.843.181.A00 | 56 mm | 10,9 mm | 550 |
| 8 | 20.843.182.A00 | 56 mm | 10,9 mm | 550 |

further number of poles on request

[1] To be fitted after reflow soldering process