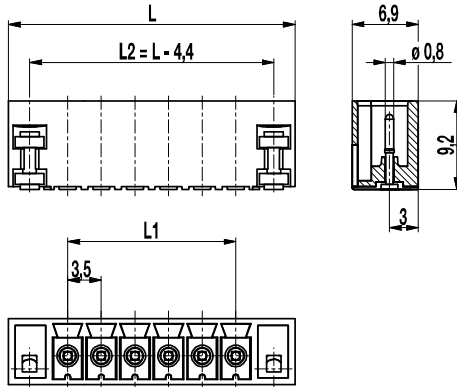
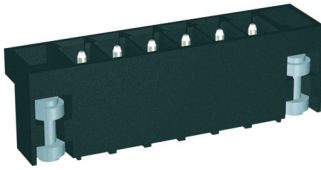


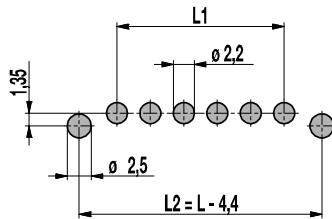
## Pin strip for SMD

### 110-M-226-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 150°C; reflow solder temperature (Peak) max. 260°C (15-30 s)
Solder pin	$\varnothing$ 0,8 mm; tin plated brass
Solder cylinder	tin plated brass

#### Approvals

	Current	Voltage	Group	AWG	Nm
	8	150	B		
	8	300	D		
	8	150	B		

#### Options / Accessories

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

#### 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