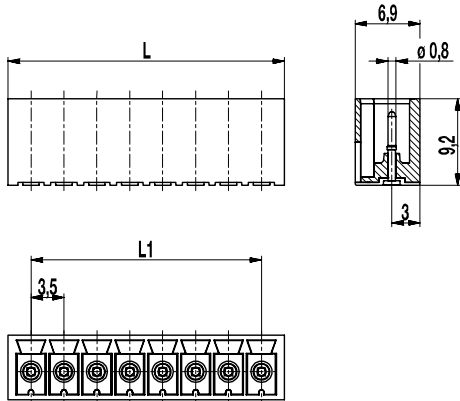
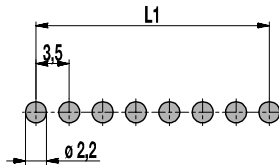


110-M-221-SMD

Pin strip for SMD
Plug-in direction vertical to PCB



PCB Layout



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

The 110-M-221-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 so-called "Floating Pins". They are movable in vertical direction and achieve a 100% coplanarity.

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-221-SMD	Length	PU
2	20.843.152	8,40	200
3	20.843.153	11,90	200
4	20.843.154	15,40	100
5	20.843.155	18,90	100
6	20.843.156	22,40	100
7	20.843.157	25,90	50
8	20.843.158	29,40	50
9	20.843.159	32,90	50
10	20.843.160	36,40	50
11	20.843.161	39,90	50
12	20.843.162	43,40	50

General Information

Pitch	3,5 mm
No. of poles	2 - 12
Usable with	all plug connectors of series 110
Additional Information	Version with solder flanges see also 110-M-226-SMD



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	\varnothing 0,8 mm; 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-221-SMD	Tape Width	Tape Height	PU
5	20.843.155.A00	56 mm	10,9 mm	550
6	20.843.156.A00	56 mm	10,9 mm	550
7	20.843.157.A00	56 mm	10,9 mm	550
8	20.843.158.A00	56 mm	10,9 mm	550
9	20.843.159.A00	56 mm	10,9 mm	550
10	20.843.160.A00	56 mm	10,9 mm	550

further number of poles on request

[1] To be fitted after reflow soldering process