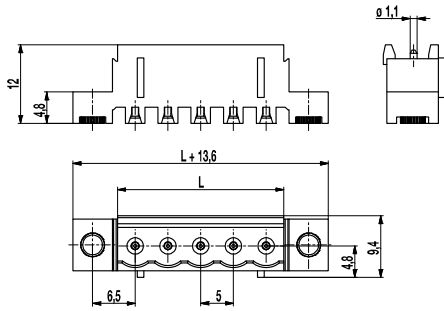
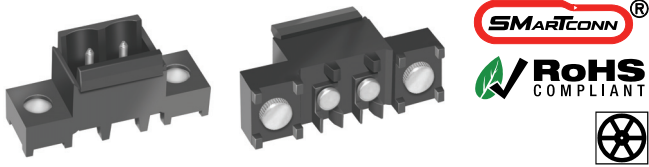
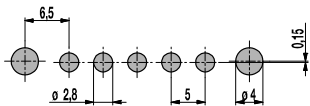


Pin strip connector for SMD 120-M-227-SMD

Plug-in direction vertical to PCB, with solder flanges



PCB Layout



Solder paste thickness: 0,15 - 0,2 mm

120-M-227-SMD is a pin strip with 5 mm pitch for surface mount technology and suitable for all plugs of the plug connector system of series of 120 and available in lengths from 2 to 22 poles.

The solder retention devices (SMT anchors) on either side of the terminal housing provide an exceptionally high retention force for the terminal block to the PCB.

The most significant benefit of this design is the protection it provides to the solder joints against stresses encountered in field-installations. The anchoring element constitutes a universal SMT retention method. It eliminates completely CTE mismatch (Coefficient of thermal expansion) and provide total coplanarity by the position adapting pins.

For the automatic assembling process, all pin strip versions are packed Tape on Reel and are equipped with high temperature resistant pick caps, which can comfortably be removed after the soldering process.

Plug-In Direction perpendicular to PCB and wire entrance parallel to PCB when plugged with 120-D-111, 120-D-121

Plug-In Direction and wire entrance perpendicular to PCB when plugged with 120-A-111.

Part Numbers

No. of poles	120-M-227-SMD	Length	Pcs
2	27.498.104	10,00	100
5	50.494.001	25,00	100

further number of poles on request

General Information

Centre to centre spacing	5 mm
No. of poles	2 - 22
Usable with	all plugs series 120

Technical Data

Overvoltage Category	III	III	II
Pollution Severity Level	3	2	2
Rated Voltage	160 V	160 V	250 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	12 A		
Soldering process	Reflow solder		

Material

Moulding	PA HT, grey, V-0
Comparative Tracking Index	CTI 250
Insulating Group	IIIa
Temperature Range	-40°C up to 105°C; reflow solder temperature (Peak) max. 250°C (15-30 s)
Solder pin	ø 1,1 mm; tin plated brass

Approvals

pending

pending

Options / Accessories

- Consecutive numbering
- Special marking accord. drawing
- Self-adhesive marking strip BST-5,00
- Special packaging on request: Tape-on-Reel - Tray - Tube magazine