

A

TERMINAL BLOCKS FOR PRINTED CIRCUIT BOARDS

Plug-in Screw Connector Systems for Printed Circuit Boards

Series 12

Type 120-A-111

5 mm spacing • 2 to 24 poles

120-A-111

One possible variation of assembly

Dimensions: mm (in.) When locating connector, allow 0.5 mm clearance around it for process-induced variations.  
Length of Connector (L) L = No. of Poles x Center to Center Spacing

DESCRIPTION

- Plug
- Plug-In Direction and Wire Entrance Parallel to PCB when plugged with 120-M-111 /-211, 120-M-311 /-411, 120-M-217, 120-M-181 /-281 and 120-M-151 /-153 /-251 /-253
- Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with 120-M-121 /-221, 120-M-191 /-291, 120-M-161 /-163 /-261 /-263 and 120-M-227

TECHNICAL DATA

Center to Center Spacing: 5 mm (0.197 in.) Wire Stripping length: 7 mm (0.28 in.)  
Nominal Cross Section: 2.5 mm<sup>2</sup> (3874 mils<sup>2</sup>)

APPROVAL INFORMATION

	Rating	Current (A)	Voltage (V)	AWG	Application Group	Screw Tightening Torque
UL File No.: E69841	UL	10	300	26-12	B,C,D	max. 4.5 lbf.in.
CSA File No.: LR24322	CSA	10	300	26-12	B,D,E	max. 0.51 Nm

UL: 24-26 AWG range for factory wiring only.

International Approvals:

Rated Impulse Withstand Voltage: 2500 V

MATERIAL

MOLDING: Polyamide, self extinguishing to UL 94, V-0, grey  
TEMPERATURE LIMITS: Short time: 140°C (284°F)  
Continuous: RTI 105°C (221°F)  
Low limit: -40°C (-40°F)  
Comparative Tracking Index: CTI > 600  
Oxygen Index Rating: 33%

Terminal Body: nickel plated copper alloy  
Wire Protector and Contact Spring: tin plated copper alloy  
Screw: yellow chromate passivated, zinc plated, steel, M3  
Solder Pin: Tin plated copper alloy

ACCESSORIES

- BST Self Adhesive Marking Strips. Consecutively numbered.

OPTIONS See How to Order. If more than one option is required, please separate each option with a dash (-).

CN: Consecutive Numbering (hot stamped White numbers)  
SM: Special Marking (please provide sketch)  
BS: Copper Alloy Screws  
PS: Clear chromate passivated, zinc plated, steel screws  
G05: Gold Plating (5 micro inches)  
G30: Gold Plating (30 micro inches)  
S30: Silver Plating (30 micro inches)  
SRF: Strain Relief (available for 2 to 8 poles only)  
(Plated components: contact spring)  
Coding keys available to ensure plug-in proper orientation. Sold separately, please consult the accessories section.  
Voltage rating for 10 mm spacing is UL certified for 600 / B,C,D and CSA certified for 600 / D,E.

HOW TO ORDER

POLES:	OPTIONS:
02 to 24	CN, SM, BS, PS, G05, G30, S30, SRF

120-A-111/

www.weco.ca/products/120-A-111

Series 12

Types 120-M-121 /-221

5 mm spacing • 2 to 24 poles

120-M-121

One possible variation of assembly

Dimensions: mm (in.) When locating connector, allow 0.5 mm clearance around it for process-induced variations.  
Length of Connector (L) L = No. of Poles x Center to Center Spacing: - 1.8 mm

DESCRIPTION

- Header
- 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

TECHNICAL DATA

Center to Center Spacing: 5 mm (0.197 in.) Recommended Hole Ø in PCB: 1.4 mm (0.055 in.)

APPROVAL INFORMATION

	Rating	Current (A)	Voltage (V)	Application Group
UL File No.: E69841	UL	10	300	B,C,D
CSA File No.: LR24322	CSA	10	300	B,D,E

International Approvals:

Rated Impulse Withstand Voltage: 2500 V

MATERIAL

MOLDING: Polyamide, self extinguishing to UL 94, V-0, grey  
TEMPERATURE LIMITS: Short time: 140°C (284°F)  
Continuous: RTI 105°C (221°F)  
Low limit: -40°C (-40°F)  
Comparative Tracking Index: CTI > 600  
Oxygen Index Rating: 33%

Solder Pin: tin plated copper alloy, 1 x 1 mm (0.04 x 0.04 in.)

ACCESSORIES

- BST Self Adhesive Marking Strips. Consecutively numbered.

OPTIONS See How to Order. If more than one option is required, please separate each option with a dash (-).

CN: Consecutive Numbering (hot stamped White numbers)  
SM: Special Marking (please provide sketch)  
G05: Gold Plating (5 micro inches)  
G30: Gold Plating (30 micro inches)  
S30: Silver Plating (30 micro inches)  
14.5MM: Solder Pin length of 14.5 mm  
(Plated components: solder pin)  
Coding keys available to ensure plug-in proper orientation. Sold separately, please consult the accessories section.  
Voltage rating for 10 mm spacing is UL certified for 600 / B,C,D and CSA certified for 600 / D,E.

HOW TO ORDER

SIDEWALLS:	POLES:	OPTIONS:
without: 1 with: 2	02 to 24	CN, SM, G05, G30, S30, 14.5MM

120-M-

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www.weco.ca/products/120-M-121 /-221

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