



## Plug-in Screw Connector System for Printed Circuit Boards

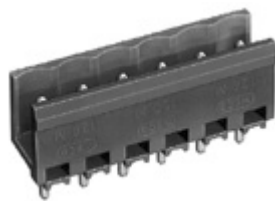


### TYPE 121-M-121 / -221

0.2 in. spacing - 2 to 24 poles



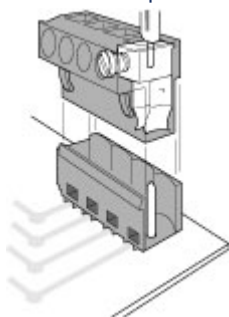
Distributor Stock Check



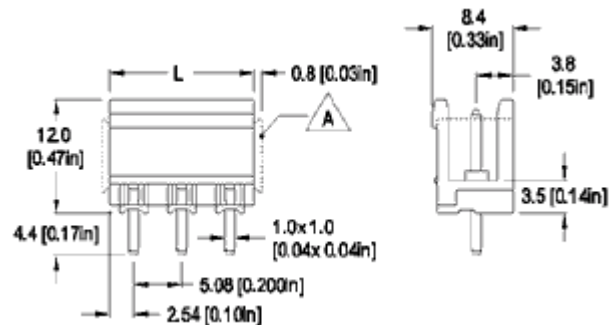
121-M-121



One possible variation of assembly



RoHS WEEE Pb free compliant



Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing

(A) Side walls for 121-M-221 only

When locating connector, allow 0.5 mm clearance around it for process-induced variations.

### Approval Information

UL File No.E69841

CSA File No.LR24322

| Rating | Current(A) | Voltage(V) | Application group | AWG |
|--------|------------|------------|-------------------|-----|
| UL     | 15         | 300        | B                 |     |
| UL     | 10         | 300        | D                 |     |
| CSA    | 10         | 300        | B,D,E             |     |

### International Approvals:



Rated Impulse Withstand Voltage: 2500 V

### Description

- Header
- Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with 121-A-111
- Plug-In Direction Perpendicular to PCB and Wire Entrance 45° to PCB when plugged with 121-C-111
- Plug-In Direction Perpendicular to PCB and Wire Entrance Parallel to PCB when plugged with 121-

### Material

**Molding:** Polyamide, self extinguishing UL 94, V-0, color grey

**Temperature limits:**

D-111, 121-D-121

**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%

Technical Data

**Center to Center Spacing:** 5.08 mm (0.200 in.)  
**Recommended Hole Diameter in PC Board:**  
1.4 mm (0.055 in.)

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

Illustration



Coding keys 120-K are available to prevent the insertion of the wrong plug into a header. These are usually field inserted but can be factory installed if required.

| Item    | 121-M-121 / -221                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Options | <div><div><input type="checkbox"/></div><div>CN: Consecutive Numbering (hot stamped numbers)</div></div> <div><div><input type="checkbox"/></div><div>SM: Special Marking (please provide sketch)</div></div> <div><div><input type="checkbox"/></div><div>G05: Gold Plating (5 micro inches)</div></div> <div><div><input type="checkbox"/></div><div>G30: Gold Plating (30 micro inches)</div></div> <div><div><input type="checkbox"/></div><div>S30: Silver Plating (30 micro inches)</div></div> <div><div><input type="checkbox"/></div><div>14.5MM: Solder Pin length of 14.5 mm</div></div> |

**Note:** Plated component: solder pin

**Ordering Note:** Voltage rating for 0.4 in. spacing is UL certified for 15A - 300 / C and for 5A - 600 / D and CSA certified for 600 / D,E (121-M-122 /-222).

Accessories

|        |                                  |     |                    |
|--------|----------------------------------|-----|--------------------|
|        | SIDEWALLS:<br>without: 1 with: 2 |     | POLES:<br>02 to 24 |
| 121-M- | <div></div>                      | 21/ | <div></div>        |