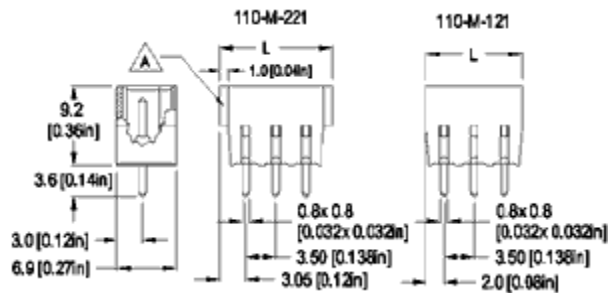




Product Number: 110-M-121/05
Plug-in Screw Connector System for Printed Circuit Boards

3.5 mm spacing – 2 to 24 poles



Dimensions: mm (in.)

Length of Connector (L)

110-M-121: $L = (\text{No. of Poles} \times \text{Center to Center Spacing}) + 0.6 \text{ mm}$

(A) Poka-Yoke feature

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

Description:

- * Header
- * Plug-In Direction and Wire Entrance Perpendicular to PCB when plugged with [110-A-111](#), [110-A-IDC](#), [110-FP3-211](#)
- * 110-M-121 have a small foot print that allows a "in" fit when replacing competitive product. This is especially useful on PCB that are typically completely covered in components. It can be said that misalignment would in principle be prevented by the close components in close proximity.
- * Internal features prevent backwards insertion.
- * Installable on PCB assembled as per the wave solder technology specification

Material:

Molding: Polyamide, self extinguishing UL 94, V-0, color 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: 0.8 x 0.8 mm (0.03 x 0.03 in.), Tin plated copper alloy

Technical Data:

Center to Center Spacing: 3.5 mm (0.138 in.)

Recommended Hole Diameter in PC Board:

1.2 mm (0.047 in.)

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. These coding keys are visible from the exterior, through slots in the header. Correct keying requires the removal of corresponding keying nibs from the 110-A plugs.