

## TYPE 120-M-221-THR

5 mm spacing - 2 to 24 poles



Series

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Can plug with

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Color specifications

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120-M-221-THR



One possible variation of assembly

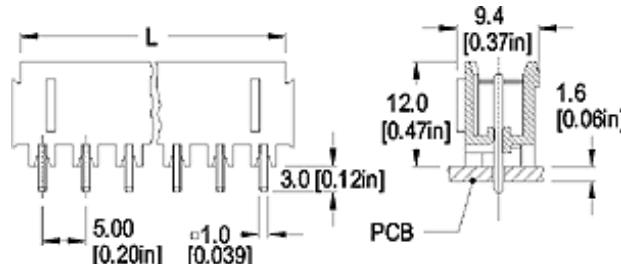


## Description

Standoffs underneath the molding prevent bottom of molding from touching the solder paste and allow for a visual inspection of the solder joints and better air flow during the reflow soldering process. Material will handle reflow temperatures well without deforming or melting.

- Through Hole Reflow
- 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



## Dimensions: mm (in.)

Length of Connector (L)

L = No. of Poles x Center to Center Spacing + 0.4 mm

## Approval Information

UL File No.E69841

CSA File No.LR24322

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

## International Approvals:



Rated Impulse Withstand Voltage: 2500 V

## International Approvals Notes:

ROHS WEEE Pb free compliant.

## Material

**Molding:** Polyamide 4.6, 30% GF (glass fiber reinforced), self extinguishing to UL 94, V-0, color black

**Temperature limits:****Short Time:** 260C (500F)**Continuous:** RTI 105C (221F)**Low Limit:** -40C (-40F)**Comparative Tracking Index:** CTI > 250**Oxygen Index Rating:** 37%

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

**Average weight:** 0.45 gram per pole and 0.31 gram for the removable pick cap,

**Center to Center Spacing:** 5 mm (0.197 in)

**Recommended Hole Diameter in PC Board:**

1.5 mm (0.059 in.)

## Application

WECO's THR designs are adapted for easy integration into your processes. Standoffs provide for good convective heat circulation for reliable soldering through the elimination of cold spots and also allow for a visual inspection of the solder joints. The main advantage of through-hole terminal blocks is their reliable mechanical strength. This robustness is particularly important for applications exposed to harsh environments or strong vibrations such as mobile equipment, engine or motor compartments.

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## How to order

**Item** 120-M-221-THR

**Options**

- Consecutive Numbering (White, hot stamped numbers)
- Special Marking (please provide sketch)
- Gold Plating (5 micro inches)
- Gold Plating (30 micro inches)
- Silver Plating (30 micro inches)
- Poka Yoke Terminal Blocks (see section F for more details)
- Tape and Reel Assembly
- Removable Pick Cap

**Note:** Plated component: solder pin

**Ordering Note:** See download PDF for complete tape and reel assembly specifications

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Quantity

POLES:  
02 to 24

120-M-221-THR/

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