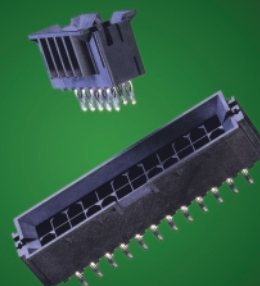
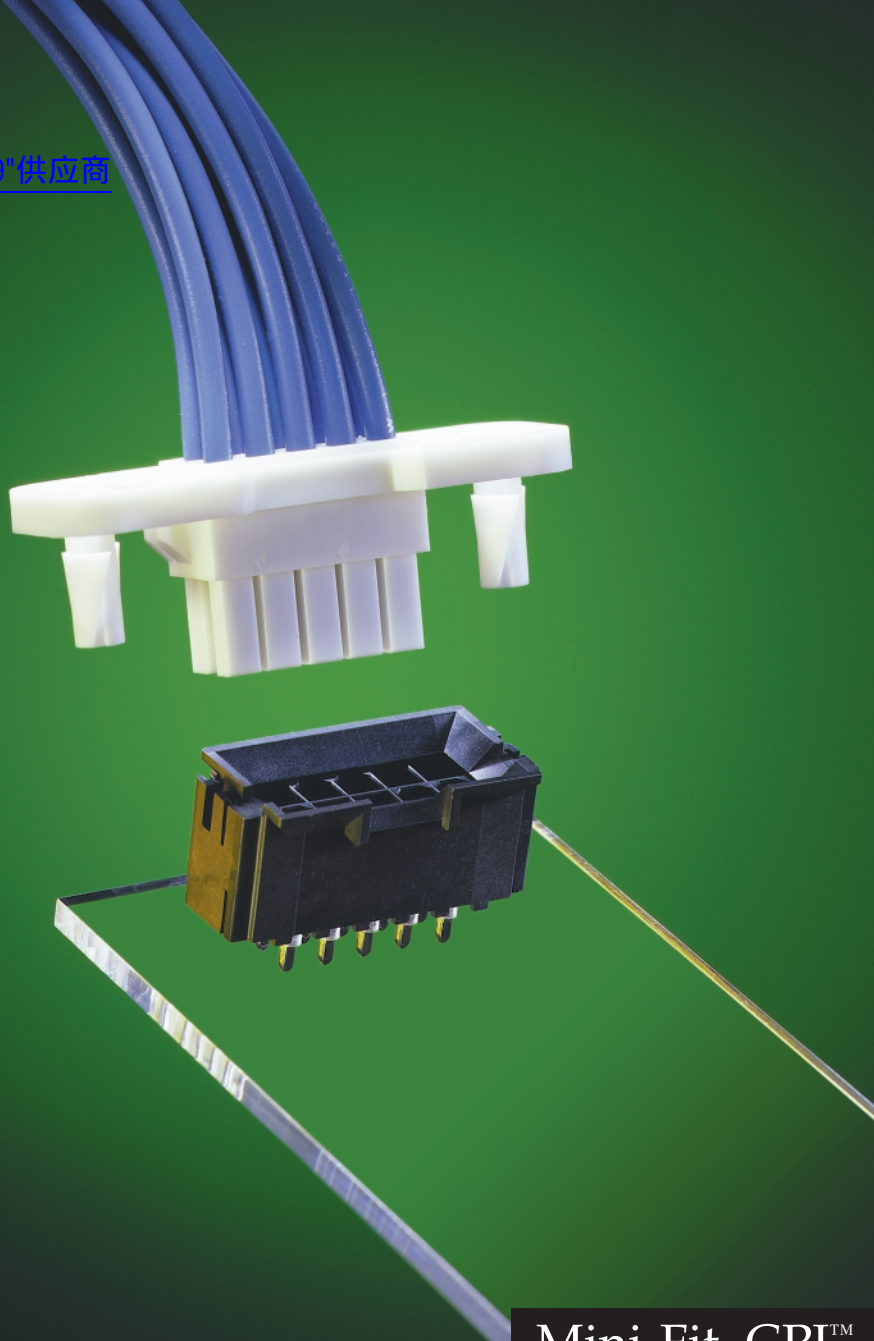


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Mini-Fit, CPI™

Compliant Pin Interface

Headers



FEATURES AND SPECIFICATIONS

This product line offers great design flexibility by allowing you to connect:

Mini-Fit, Jr.

- Mini-Fit, Jr. 5556 Female crimp terminal
- Mini-Fit, Jr. 5557 receptacle with positive lock (wire-to-board)

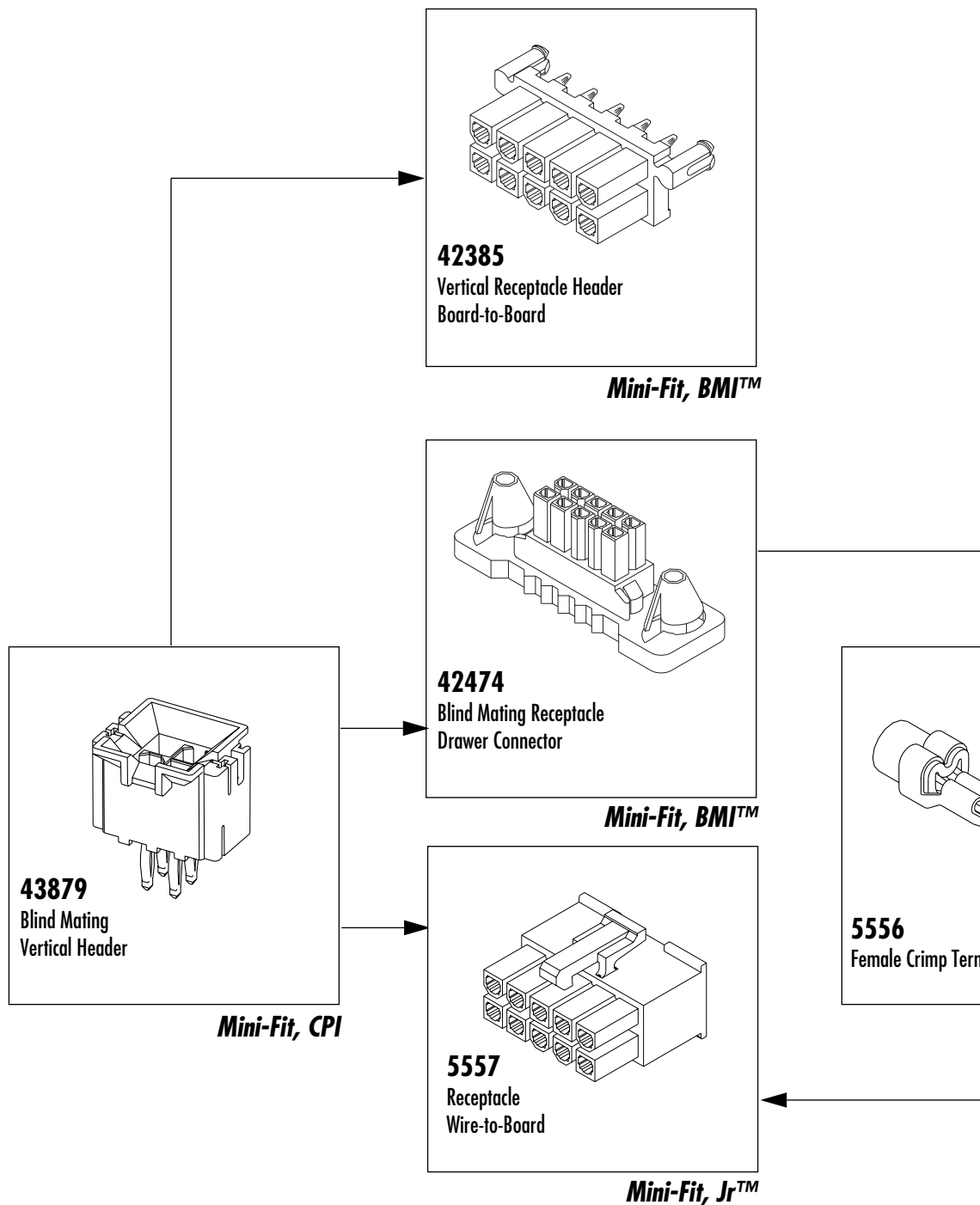
Mini-Fit, BMI

- Mini-Fit, BMI 42474 Blind mating receptacle (wire-to-board)
- Mini-Fit, BMI 42385 Blind mating header receptacle (board-to-board)

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molex MINI-FIT CPI™

The Mini-Fit, CPI is a compliant p... well-known Mini-Fit family. This current/high density application... ers. It is appropriate for both po... it can carry currents of up to 8 a



FEATURES AND SPECIFICATIONS

Features and Benefits

- Press-fit pin requiring no soldering
- Blind mating vertical header
- Designed for multiple board thicknesses of .094" and greater

Reference Information

Designed in: Millimeters
Packaging: Tray
Product Specifications: PS-43879-001
UL File No.: E29179
CSA File No.: LR19980
TUV License No.: R75142
Mates with: 5557, 42385 and 42474 receptacles

Electrical

Voltage: 600V
Current: 8.0A max.
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: 1500V
Insulation Resistance: 1000 MΩ min.

Mechanical

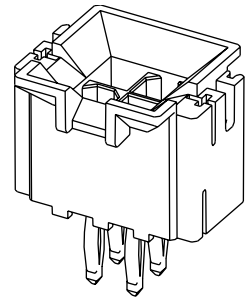
Insertion Force to PCB: 196.13N (44.09 lb) per circuit max.
Retention Force to PCB: 49.03N (11.02 lb) per circuit min.
Mating Force: 6.86N (1.54 lb) per circuit max.
Unmating Force: 3.43N (0.771 lb) per circuit min.
Normal Force: 1.96N (0.44 lb) min.
Durability: 30 cycles

Physical

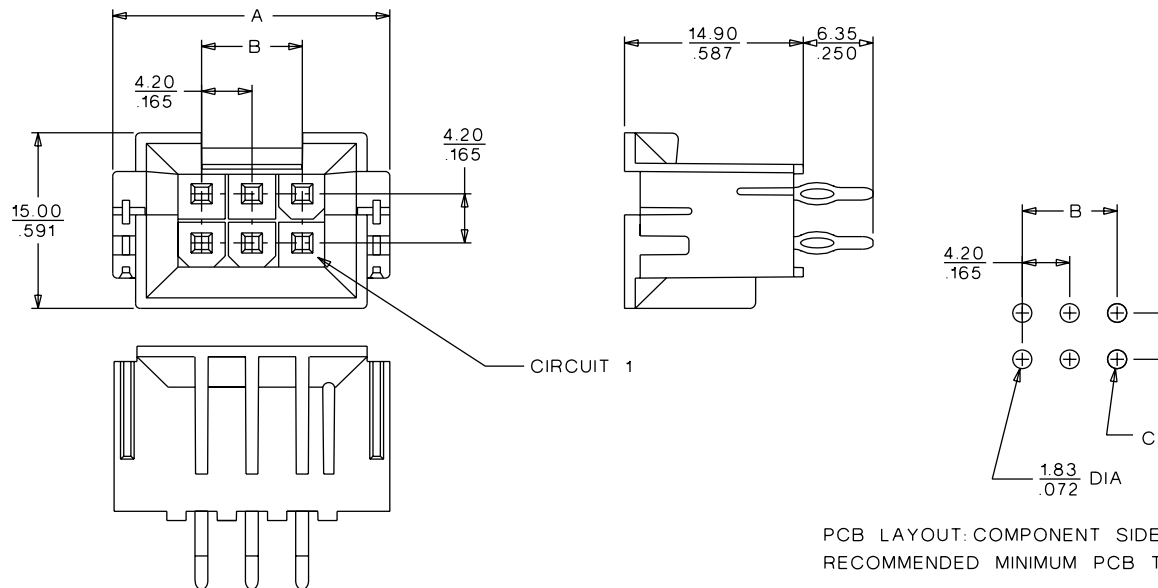
Housing: 4/6 nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Tin or Gold
Operating Temperature: -40 to +105°C
(Including 30°C terminal temperature at full current)

4.20mm (.165")
Mini-Fit, CPI™
Compliant Pin Insert

43879
Dual Row, Vertical



DIMENSIONS



ORDERING INFORMATION

Circuits	Order No.		Dimension	
	Tin Plated	Gold Plated	A	
4	43879-0022	43879-0033	18.81 (.740)	
6	43879-0023	43879-0034	23.01 (.906)	
10	43879-0025	43879-0036	31.41 (1.237)	
14	43879-0027	43879-0038	39.81 (1.567)	
18	43879-0029	43879-0040	48.21 (1.898)	
24	43879-0032	43879-0043	60.81 (2.394)	

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Insertion Tool with Manual Press

Features

- Tooling rotates in 90° increments allowing Mini-Fit to be positioned in four different orientations
- Laser locator aids in identifying pin orientation or PC board
- Adjustable board thickness ranging from .062" to .300"
- Accommodates left and right hand operators
- Polarization of tooling allows connector to be loaded in the proper orientation
- 4 to 24 circuits with change parts included
- Fits Molex standard Manual Press

Specifications

Weight: Including Press—24.1 kg (53 lbs.)

Size: Including Press

Height—498mm (19.6")

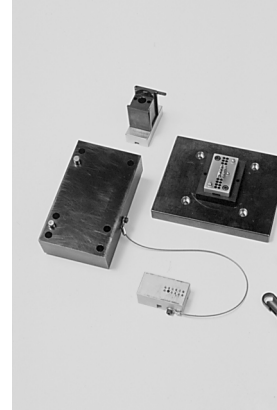
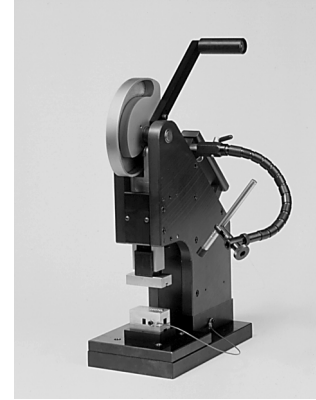
Length—269mm (10.6")

Depth—152.4mm (6")

Rate: 120 connectors/hr depending on operator skill

Ordering Information

Description	Order No.	Product No.
Manual Press and Tool Kit	62200-6900	43879
Tool Kit Only	62200-5800	43879
Manual Press	11-31-6356	



This application tooling will be used to press in the Mini-Fit, CP

Press-In Tool

Features

- Includes one pin holder, one backing plate and 24 alignment pins
- This locking assembly may be used in a wide variety of flat platen presses
- A separate board support palette is required by customer
- The connector is pressed into the board from the top
- Tool accommodates the full range of product from 4 to 24 circuits with removable pin

Specifications

Weight: Assembly—0.91 kg (2 lbs.)

Size: Assembly

Height—19.5mm (0.8")

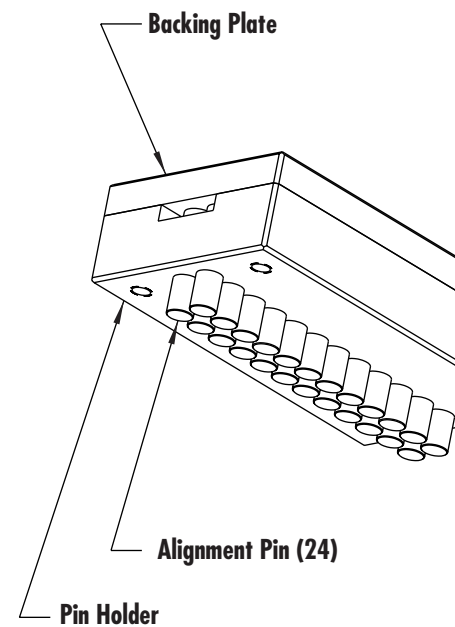
Length—54.5mm (2.1")

Depth—31.8mm (1.3")

Rate: 150 connectors/hr dependent on operator skill

Ordering Information

Description	Order No.	Product No.
Press-In Tool	62200-9400	43879



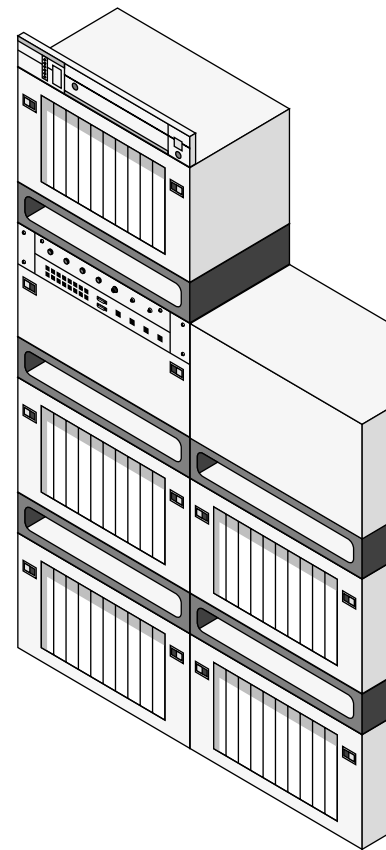
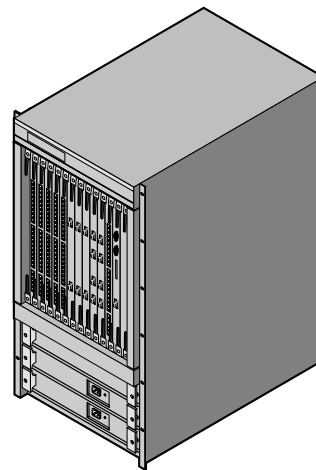
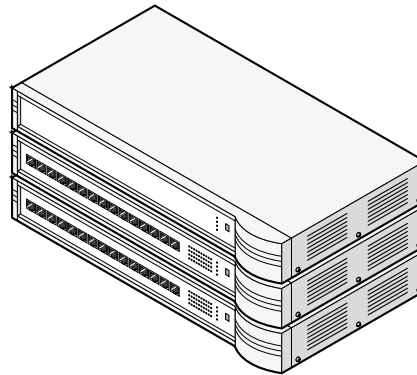
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- Servers
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