Press-Fit Stacking Connector
56-Position VPX-Compatible Stacking Connector for Rugged, High-Speed Applications

Press-fit stackable connectors from TE Connectivity (TE) have a footprint that matches VPX daughtercard layouts for low noise, gas-tight connections with low signal loss, and highly reliable performance in printed circuit board (PCB) applications. Well suited to mezzanine and parallel board-to-board, the connectors offer reliable signal integrity.

Low Profile, High Speed

Press-fit stacking connectors satisfy the need for 10 Gb/s digital signals in high-density packaging. With a stack height of just 4 mm, they help save space in military electronics and commercial aerospace applications.

The connectors use eye-of-needle compliant pins for solderless application to the board. For higher pin counts, they are end-to-end stackable without losing centerline spacing.

CONVENIENT
• Simple press-fit application
• End-to-end stackable to support higher pin counts
• Accommodates a range of PCB plating options
• Compatible with rigid flex or board-to-board stacking

PERMANENT
• Compliant pin termination on both sides
• Well suited to where a separable interface is not required
• Secure connections with board retention, 1 pound minimum per pin

LOW PROFILE
• 4 mm stack height
• Permits high-density, high-performance packaging

TE Components . . . TE Technology . . . TE Know-how . . .
AMP | AGASTAT | CI | HARTMAN | KILOVAC | MICROJET | NANNONICS | POLAMCO | Raychem | Rochester | DEUTSCH
SEACON Phoenix | LL ROWE | Phoenix Optix | AFP | SEACON

Get your product to market faster with a smarter, better solution.
Press-Fit Stacking Connector
VPX-Compatible Stacking Connector for High-Speed PCB Applications

Specifications

MATERIALS
- **Housing**: High-temperature liquid crystal polymer
- **Contacts**: Copper alloy, plated tin-lead or matte tin

MECHANICAL
- **Board Retention**: 1-pound minimum per pin
- **Modules**: 56 position (8 columns x 7 pins)
- **Stack Height**: 4 mm (0.157 inch)

ELECTRICAL
- **Supports speeds to 10 Gb/s**
- **Low-noise footprint from MULTIGIG RT-2 connector family (VPX)**

SPECIFICATIONS
- **TE Application Specification**: 114-32055
- **TE Product Specification**: 108-32042

SEATING TOOL
- **Single or Multiple Connector Tool**: 2226504-x

Part Numbers

<table>
<thead>
<tr>
<th>Plating</th>
<th>Part No.</th>
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<tr>
<td>93/7 Tin-Lead over Nickel</td>
<td>2102785-1</td>
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<tr>
<td>Matte Tin over Nickel</td>
<td>2102785-2</td>
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te.com/press-fit-stacking
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Consult TE for the latest dimensions and design specifications.

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