1.25MM SMALL FORM FACTOR LOCKING HPI CONNECTORS

1.25mm Small Form Factor Locking HPI connectors can be used where signal or low power needs to be routed through a device. The reduced size of the connector (saving up to 20% PCB space*) and increased current capacity (up to 3X*) allows for greater flexibility in design. The external locking feature ensures secure mating retention and helps to improve the reliability of the interconnect system by helping to prevent accidental unmating. These connectors address the needs of low-profile applications that require a reliable, secure wire-to-board signal or low-power connection.

APPLICATIONS

- IoT (Internet of Things) Applications
  - Smart locks
  - Small appliances
  - Smart lighting
  - Smart meters
  - Vending machines
  - Drones
- Data Communications
  - Servers
  - AI Chips
- Appliances
  - Washers/Dryers
  - Air conditioners
  - Steering wheel
  - Mirrors
  - Infotainment systems
- Industrial
  - Automotive
  - Security systems
  - Surveillance cameras
  - Factory automation
  - Robotics
- Lighting
  - LED lighting

KEY BENEFITS

- Available extra board locking tabs deliver exceptional PCB retention strength, particularly in high-vibration environments
- Wide positive latch strengthens mating connection between the plug assembly and the receptacle
- Audible and tactile click feedback when mating
- Locking feature helps alleviate accidental unmating of the connectors due to pulling action
- *Helps to optimize printed circuit board space, saving up to 20%
- *Up to 3X more current carrying capacity
- 2-16 positions available
- Up to 3.6A current max
- Operating Temperature: –40°C to +125°C
- Gold plating options available

LEARN MORE

- Landing Page

1.25MM SMALL FORM FACTOR LOCKING HPI CONNECTORS

PART NUMBERS

Part Number	Part Description
2-2496750-2	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 2POS
2-2496750-3	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 3POS
2-2496750-4	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 4POS
2-2496750-5	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 5POS
2-2496750-6	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 6POS
2-2496750-7	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 7POS
2-2496750-8	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 8POS
2-2496750-9	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 9POS
3-2496750-0	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 10POS
3-2496750-1	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 11POS
3-2496750-2	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 12POS
3-2496750-3	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 13POS
3-2496750-4	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 14POS
3-2496750-5	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 15POS
3-2496750-6	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,TIN, 16POS
6-2496750-2	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 2POS
6-2496750-3	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 3POS
6-2496750-4	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 4PO
6-2496750-5	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 5POS
6-2496750-6	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 6POS
6-2496750-7	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 7POS
6-2496750-8	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 8POS
6-2496750-9	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 9POS

Part Number	Part Description
7-2496750-0	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 10POS
7-2496750-1	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 11POS
7-2496750-2	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 12POS
7-2496750-3	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 13POS
7-2496750-4	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 14POS
7-2496750-5	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 15POS
7-2496750-6	1.25mm Small Form Factor HPI HDR SMT, BOARD LOCK,GOLD, 16POS
2496750-2	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 2POS
2496750-3	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 3POS
2496750-4	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 4POS
2496750-5	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 5POS
2496750-6	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 6POS
2496750-7	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 7POS
2496750-8	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 8POS
2496750-9	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 9POS
1-2496750-0	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 10POS
1-2496750-1	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 11POS
1-2496750-2	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 12POS
1-2496750-3	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 13POS
1-2496750-4	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 14POS
1-2496750-5	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 15POS
1-2496750-6	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,TIN, 16POS
4-2496750-2	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 2POS

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PART NUMBERS

Part Number	Part Description
4-2496750-3	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 3POS
4-2496750-4	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 4POS
4-2496750-5	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 5POS
4-2496750-6	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 6POS
4-2496750-7	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 7POS
4-2496750-8	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 8POS
4-2496750-9	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 9POS
5-2496750-0	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 10POS
5-2496750-1	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 11POS
5-2496750-2	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 12POS
5-2496750-3	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 13POS
5-2496750-4	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 14POS
5-2496750-5	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 15POS
5-2496750-6	1.25mm Small Form Factor HPI HDR SMT, W/O BOARD LOCK,GOLD, 16POS

HEADERS

Part Number	Detailed Description
2502606-2	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 2POS
2502606-3	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 3POS
2502606-4	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 4POS
2502606-5	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 5POS
2502606-6	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 6POS
2502606-7	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 7POS
2502606-8	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 8POS
2502606-9	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 9POS
1-2502606-0	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 10POS
1-2502606-1	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 11POS
1-2502606-2	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 12POS
1-2502606-3	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 13POS
1-2502606-4	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 14POS
1-2502606-5	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 15POS
1-2502606-6	1.25mm Small Form Factor HPI HSG , BOARD LOCK, 16POS

TERMINALS

Part Number	Detailed Description
2502607-1	1.25mm Terminal, Small Form Factor HPI , Tin
2502607-2	1.25mm Terminal, Small Form Factor HPI , Gold

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