

Minitek® Multipitch 1.25mm and 1.5mm Wire-to-Board Connector System

MODULAR, RELIABLE, AND COMPACT SOLUTION

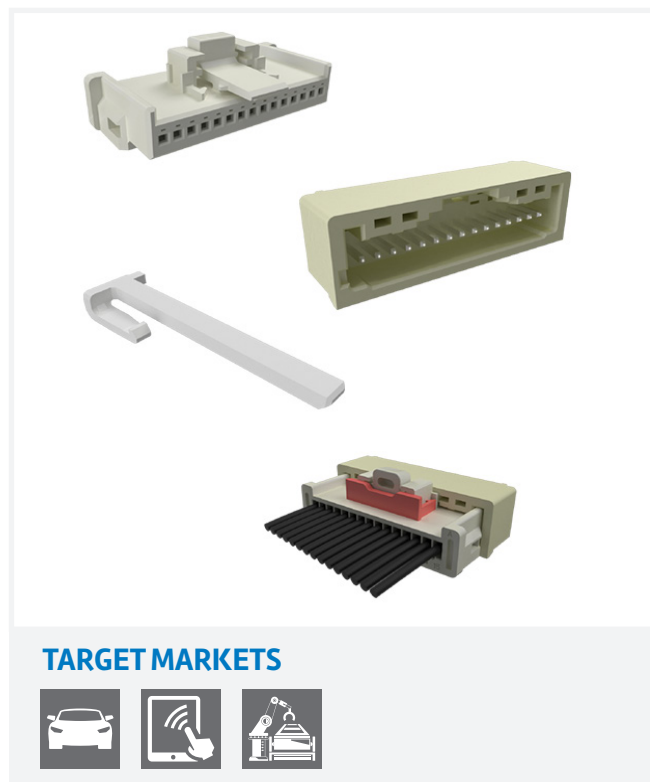
The Minitek® Multipitch platform connector's compact design addresses the growing demand for miniaturizing components. The connector system has single row and double row with active latching, and TPA and CPA features can be an optional.

The connector has current carrying capacity of 2A and cable external diameter from 24 AWG to 28 AWG.

1.25mm single row connector is available in 2 to 15 positions with horizontal configurations. Double row is available in 10 to 30 positions.

1.5mm single row connector is available in 2 to 15 positions with horizontal configurations.

- Inner active-latch
- Connector Positioning Assurance (CPA)
- Terminal-Position-Assurance (TPA)



FEATURES

- Housing with positive locking
- Hold down features
- Terminal-Position-Assurance (TPA)
- Polarized mating geometry
- Connector Positioning Assurance (CPA)

BENEFITS

- Ensures secure mating retention
- Increase the board grip force
- Ensures proper terminal insertion position and retention
- Prevents visual mismatching
- Assures that connectors are properly mated and locked together

TECHNICAL INFORMATION

MATERIAL

- Board Connector: PA9T
- Housing: PA66 UL 94V-0
- Crimping Terminal: Phosphor bronze alloy (tin plated)

ELECTRICAL PERFORMANCE

- Voltage Rating: 50V AC/DC
- Insulation Resistance: 100M Ω min.
- Contact Resistance: < 40M Ω
- Current Rating: 2A

MECHANICAL PERFORMANCE

- Durability: 30 cycles (tin plating)
- Mating Un-mating Force: 4N/pin max.
- Housing Retention Force: 9.8N min.
- Wire Gauge: 24-28AWG

ENVIRONMENTAL

- Operating Temperature: -40°C to +105°C

APPROVALS AND CERTIFICATIONS

- UL Approval: Available

SPECIFICATIONS

- Product Specification: GS-12-1610
- Packaging Specification: GS-14-2615
- 1.25mm Pitch Application Specification: GS-20-0660
- 1.50mm Pitch Application Specification: GS-20-0676
- Hand Tool: 10158871-001LF

PACKAGING

- PCB Header: Tape and reel
- Receptacle Housing: Bag
- Crimping Terminal: Reel

TARGET MARKETS/APPLICATIONS



Steering Control Button
Infotainment
Lighting



Personal Care Devices (Air Dryer)
Home Care Devices (Cleaning Robot)
Home Automation (Alarm System)

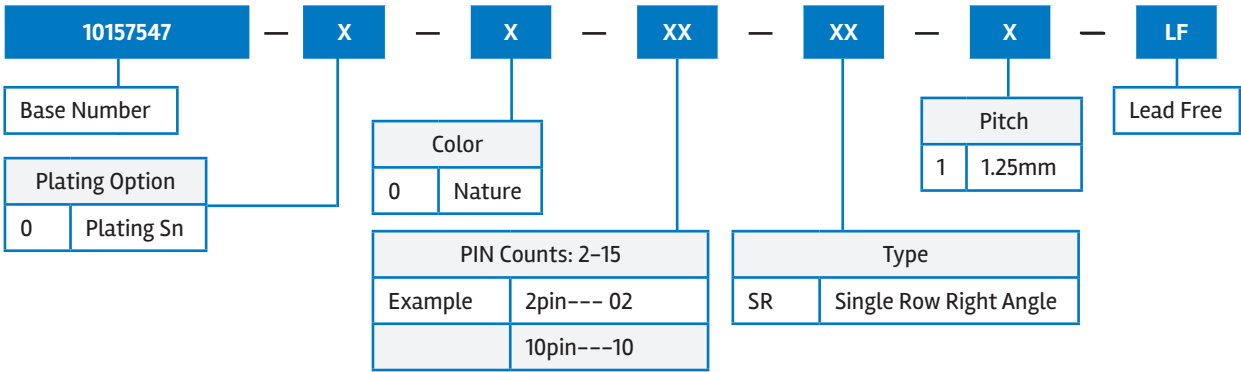


Robotics
PLC
Power Tool

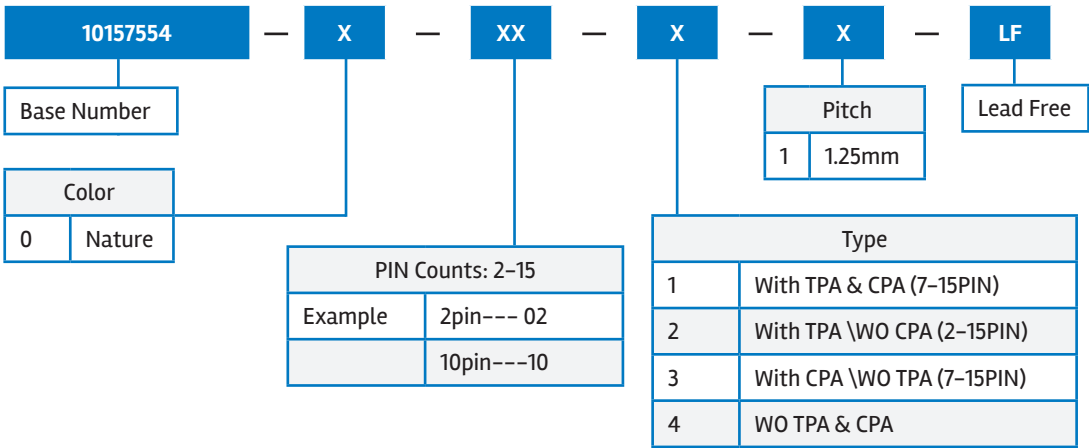
PART NUMBER

Pitch	Configurations	Descriptions	Part Number
1.25mm	Single Row	R/A SMT Header	10157547
		Housing	10157554
	Double Row	R/A SMT Header	10158832
		Housing	10158828
1.5mm	Single Row	R/A SMT Header	10158514
		Housing	10158517
	Contact	Receptacle Terminal	10157551

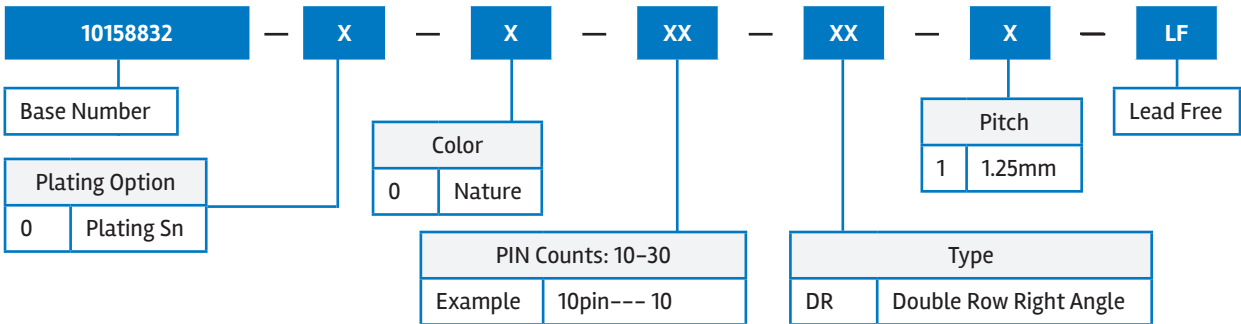
PART NUMBER SELECTOR – SINGLE ROW R/A_SMT HEADER_1.25MM



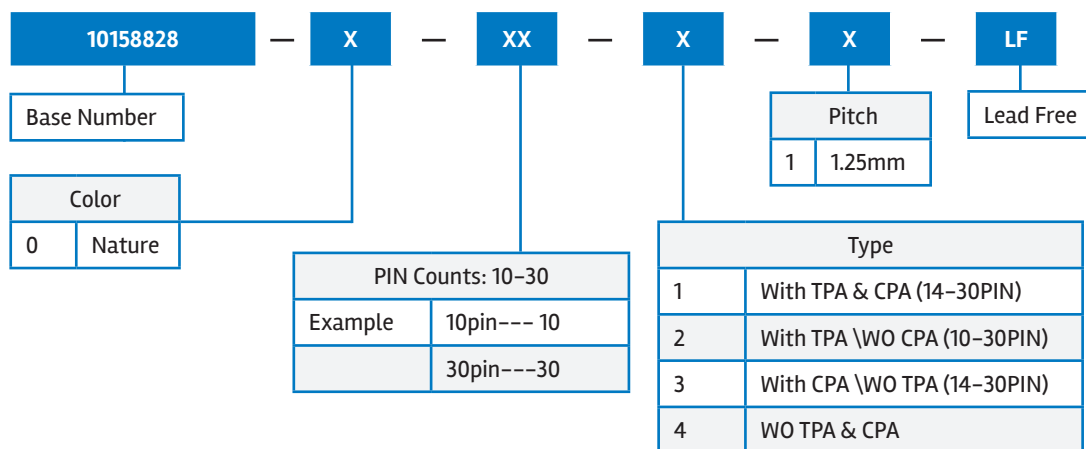
PART NUMBER SELECTOR – SINGLE ROW RECEPTACLE HOUSING_1.25MM



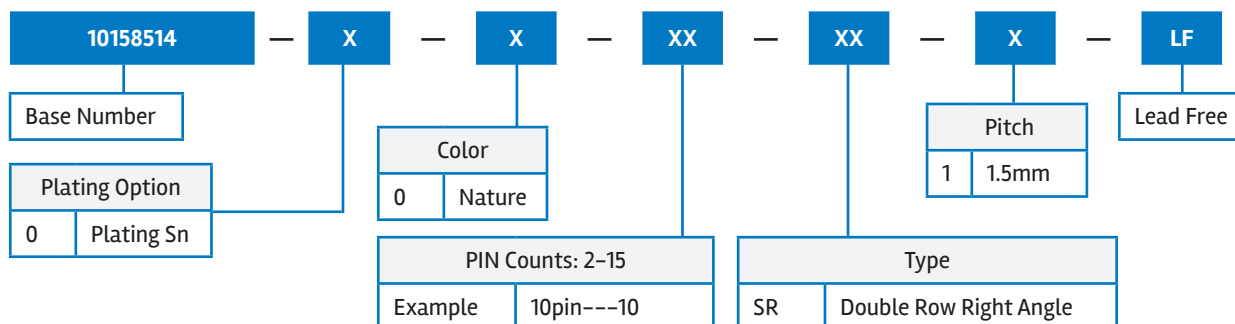
PART NUMBER SELECTOR – DOUBLE ROW R/A_SMT HEADER_1.25MM



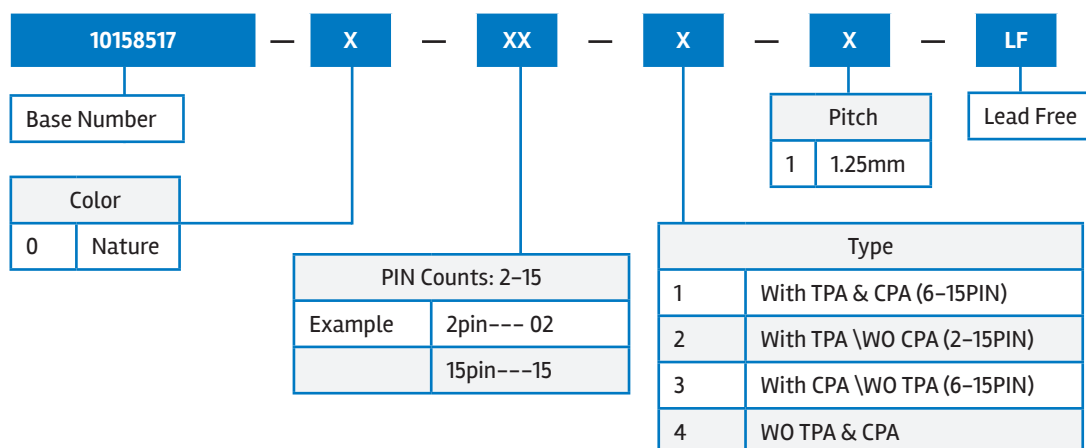
PART NUMBER SELECTOR – DOUBLE ROW RECEPTACLE_HOUSING_1.25MM



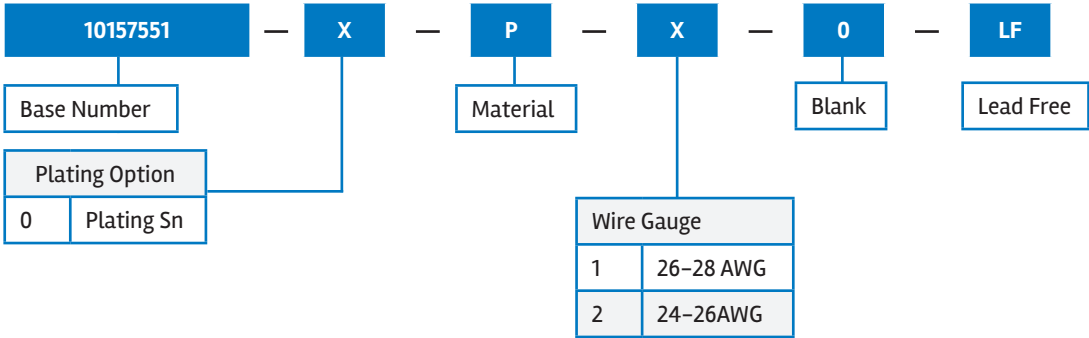
PART NUMBER SELECTOR – SINGLE ROW R/A_SMT HEADER_1.5MM



PART NUMBER SELECTOR – SINGLE ROW RECEPTACLE_HOUSING_1.5MM



PART NUMBER SELECTOR – TERMINAL



HAND TOOL

- Part Number: 10158871-001LF
- 1.25mm Pitch Application Specification: GS-20-0660
- 1.50mm Pitch Application Specification: GS-20-0676

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

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[10158517-01141LF](#) [10158517-01211LF](#) [10158517-00931LF](#) [10158517-01531LF](#) [10158514-0009SR1LF](#) [10158517-00341LF](#) [10158517-01121LF](#) [10158517-01331LF](#) [10158514-0004SR1LF](#) [10158517-01021LF](#) [10158517-01431LF](#)
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[10158517-00811LF](#)