

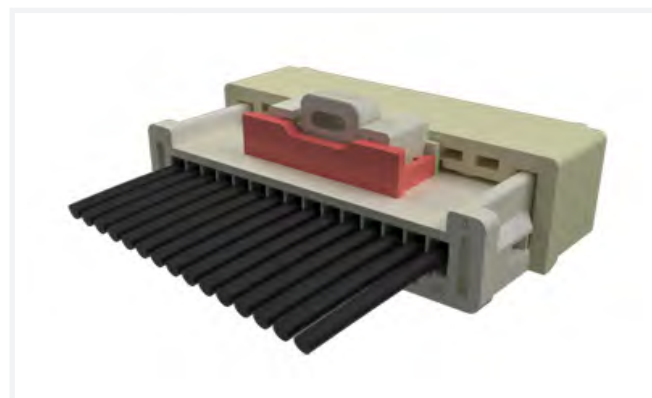
Minitek® Multipitch 1.25mm Wire-to-Board Connector System

MODULAR, RELIABLE, AND COMPACT SOLUTION

Minitek® Multipitch 1.25mm Wire-to-Board Connector's compact design addresses the growing demand for miniaturizing components. The connector system is offered in single and double rows with active latching, and optional TPA and CPA features. The single row connectors are available in 2 to 15 positions with horizontal configurations and the double row connectors are available in 10 to 30 positions.

The connector has a current carrying capacity of 1A and external cable diameter from 28AWG to 26AWG.

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



TARGET MARKETS



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: 1A

MECHANICAL PERFORMANCE

- Durability: 30 cycles (tin plating)
- Mating Un-mating Force: 4N/pin max.
- Housing Retention Force: 9.8N min.
- Wire Gauge: 28AWG to 26AWG

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
- Application Specification: GS-20-0660
- 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)

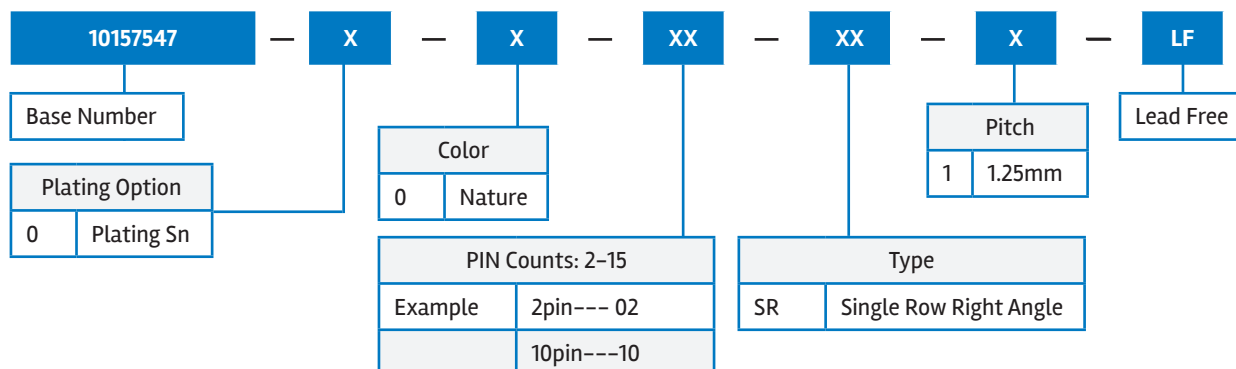


Robotics
PLC
Power Tool

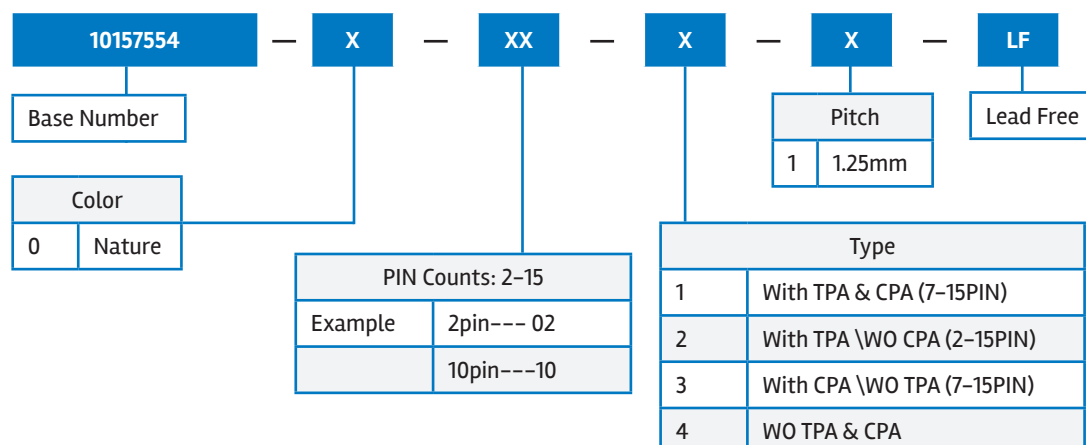
PART NUMBER

Configurations	Descriptions	Part Number
Single Row	R/A SMT Header	10157547
	Housing	10157554
Double Row	R/A SMT Header	10158832
	Housing	10158828
Contact	Receptacle Terminal	10157551

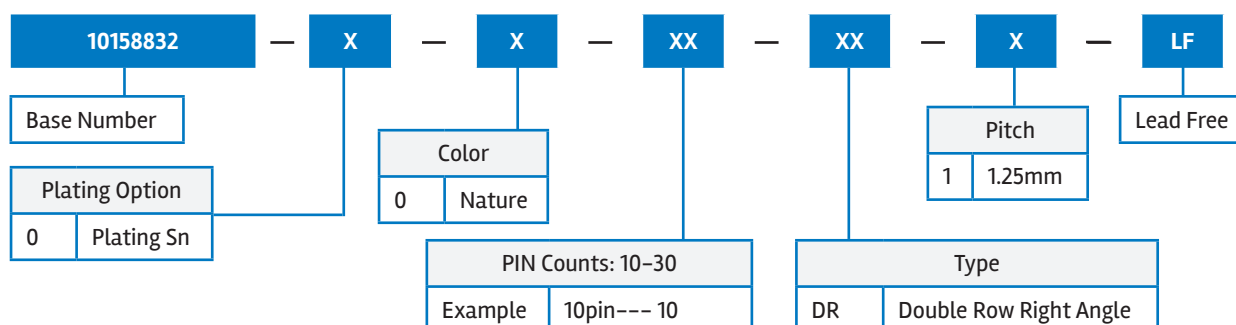
PART NUMBER SELECTOR – SINGLE ROW R/A_SMT HEADER



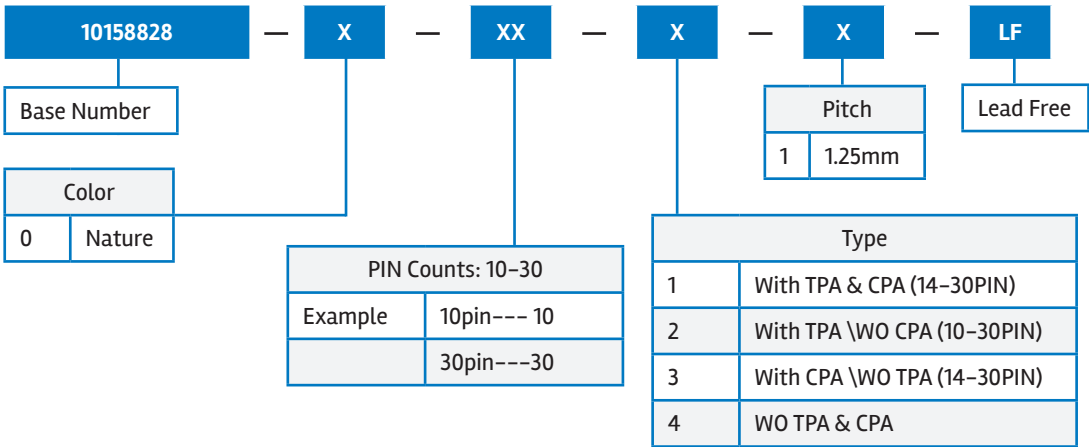
PART NUMBER SELECTOR – SINGLE ROW RECEPTACLE HOUSING



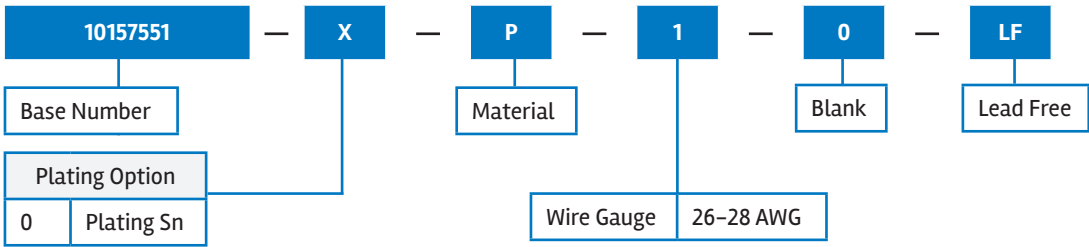
PART NUMBER SELECTOR – DOUBLE ROW R/A_SMT HEADER



PART NUMBER SELECTOR – DOUBLE ROW RECEPTACLE HOUSING



PART NUMBER SELECTOR – TERMINAL



HAND TOOL

- Part Number: 10158871-001LF
- Application Spec: GS-20-0660

Mouser Electronics

Authorized Distributor

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

FCI / Amphenol:

[10157547-0006SR1LF](#) [10157547-0015SR1LF](#) [10157551-0P10LF](#) [10157554-00621LF](#) [10157554-01511LF](#)
[10157554-01521LF](#) [10157554-01531LF](#) [10157554-01541LF](#) [10157554-01331LF](#) [10157554-01341LF](#) [10157554-01411LF](#)
[10157554-01421LF](#) [10157554-01431LF](#) [10157554-01441LF](#) [10157554-01211LF](#) [10157554-01221LF](#) [10157554-01231LF](#)
[10157554-01241LF](#) [10157554-01311LF](#) [10157554-01321LF](#) [10157554-01031LF](#) [10157554-01041LF](#) [10157554-01111LF](#)
[10157554-01121LF](#) [10157554-01131LF](#) [10157554-01141LF](#) [10157554-00911LF](#) [10157554-00921LF](#) [10157554-00931LF](#)
[10157554-00941LF](#) [10157554-01011LF](#) [10157554-01021LF](#) [10157554-00731LF](#) [10157554-00741LF](#) [10157554-00811LF](#)
[10157554-00821LF](#) [10157554-00831LF](#) [10157554-00841LF](#) [10157554-00441LF](#) [10157554-00521LF](#) [10157554-00541LF](#)
[10157554-00641LF](#) [10157554-00711LF](#) [10157554-00721LF](#) [10157547-0014SR1LF](#) [10157554-00221LF](#) [10157554-00241LF](#) [10157554-00321LF](#) [10157554-00341LF](#)
[10157554-00421LF](#) [10157547-0008SR1LF](#) [10157547-0009SR1LF](#) [10157547-0010SR1LF](#) [10157547-0011SR1LF](#) [10157547-0012SR1LF](#)
[10157547-0013SR1LF](#) [10157547-0002SR1LF](#) [10157547-0003SR1LF](#) [10157547-0004SR1LF](#) [10157547-0005SR1LF](#) [10157547-0007SR1LF](#)