



**THE DATASHEET OF**  
**55510-310TRLF**



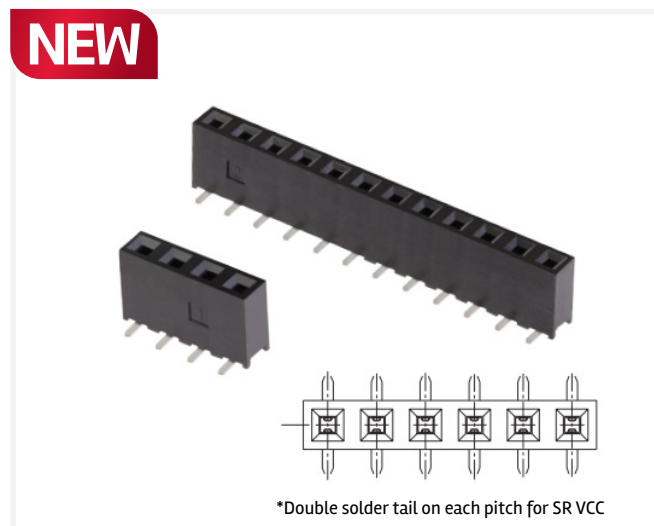
# Minitek® 2.00mm Receptacle

## Single and double row

### MODULAR AND COMPACT SOLUTION

The Minitek® product family includes single and double row receptacles for Board-to-Board and Wire-to-Board applications, in 2 to 25 positions per row and in vertical and horizontal configurations.

- Selective plating option saves costs
- Double solder tail on each pitch for SR VCC ensures no orientation constraint
- 2Amps performance with more than one contact powered
- Horizontal configuration is ideal for coplanar applications
- Modular system ensures interchangeable solution for flexible design



### TARGET MARKETS



### FEATURES

- Double solder tail on each pitch for Single Row (SR) Vertical Card Connector (VCC)\*
- 2Amps with more than one contact powered
- Selective plating
- Low profile version available (2.3mm height)
- Modular system is fully intermateable
- Smaller pitch of 2.00mm
- Dual beam contact design
- Perpendicular or coplanar application
- High raw material temperature range

### BENEFITS

- Facilitates automatic placement with no orientation constraint
- Meet higher power Amps performance requirements
- Cost efficient
- Meets specific design requirements
- Interchangeable solution offers design flexibility
- 38% less board space compared with 2.54mm connectors
- Highly reliable electrical performances
- Vertical or horizontal mounting solution
- Withstands reflow soldering process

## TECHNICAL INFORMATION

### MATERIAL

- Housing: High Temperature Thermoplastic, Black, UL94V-0
- Pin: Phosphor Bronze
- Plating:
  - 1= 0.76µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
  - 2= 0.38µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
  - 3= 0.20µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
  - 9= 1.27µm Nickel min. under layer and 2µm matte Tin on tail

### MECHANICAL PERFORMANCE

- Durability: 100 mating cycles

### ELECTRICAL PERFORMANCE

- Dielectric Withstanding Voltage: 650V
- Insulation Resistance: 1000MΩ min.
- Current Rating: 2A (all contacts powered)

### PACKAGING

- Tube
- Tape

### APPROVALS & CERTIFICATION

- UL94 V-0 & CSA

### SPECIFICATION

- Amphenol Product Specification: GS-12-1326

### ENVIRONMENTAL

- Operating Temperature: -55°C to +125°C

### TARGET MARKETS/APPLICATIONS

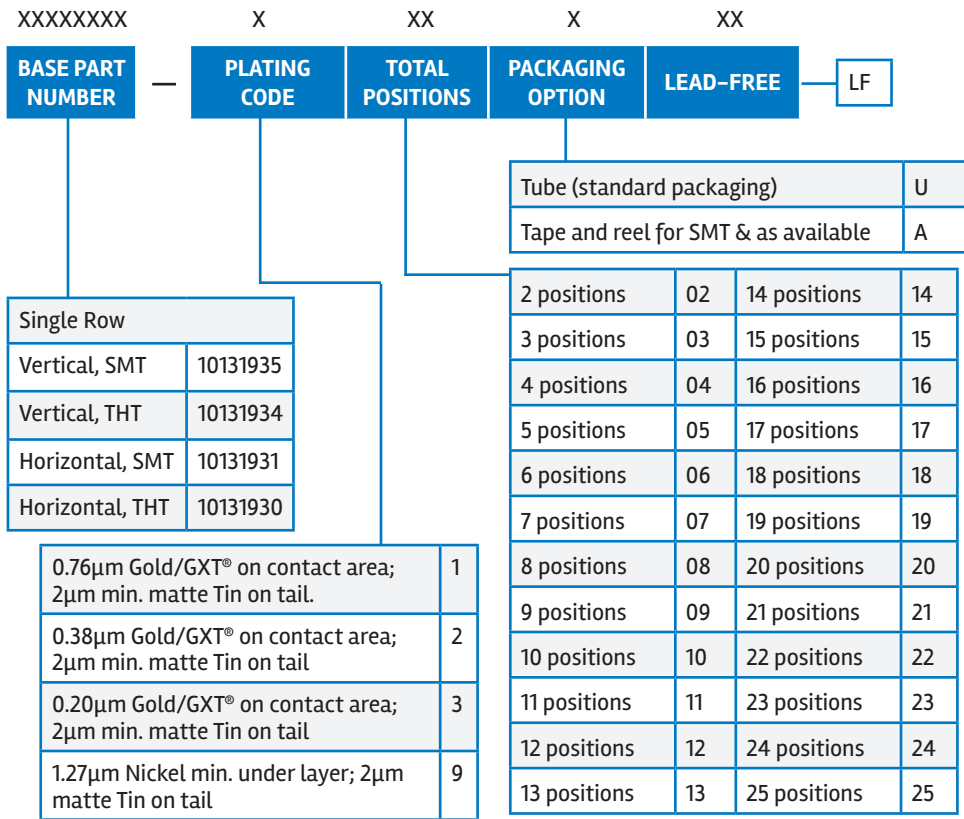


Automotive

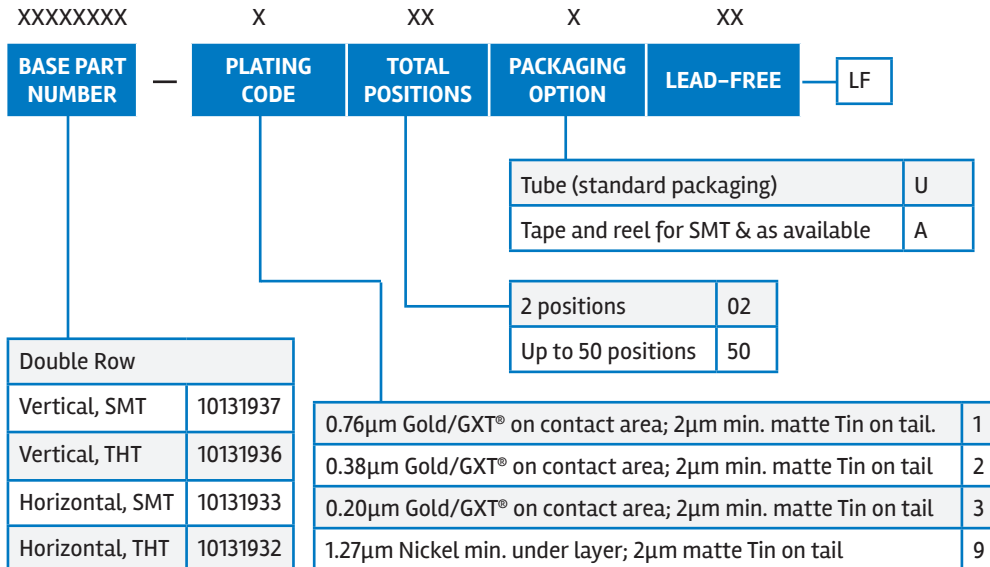


Input/Output Module  
Server Drive  
Programmable Logic Controller (PLC)

## PART NUMBER SELECTOR – SINGLE ROW





## PART NUMBER SELECTOR – DOUBLE ROW



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View 55510-310TRLF on WIN SOURCE](#)
-  [Amphenol FCI Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
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-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management