



**THE DATASHEET OF
55510-140LF**



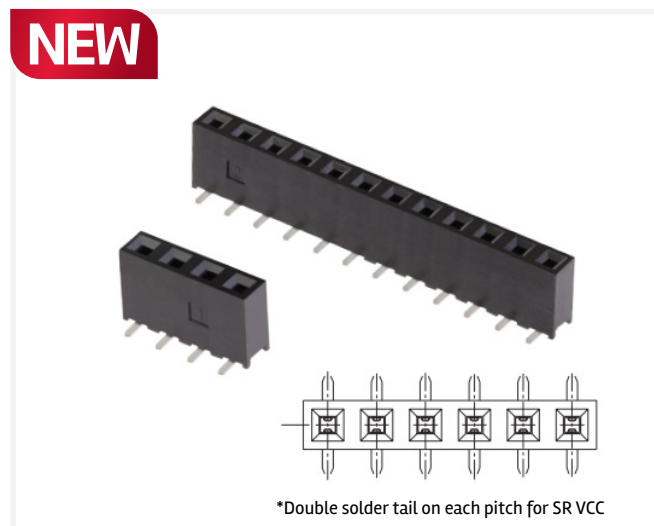
Minitek® 2.00mm Receptacle

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

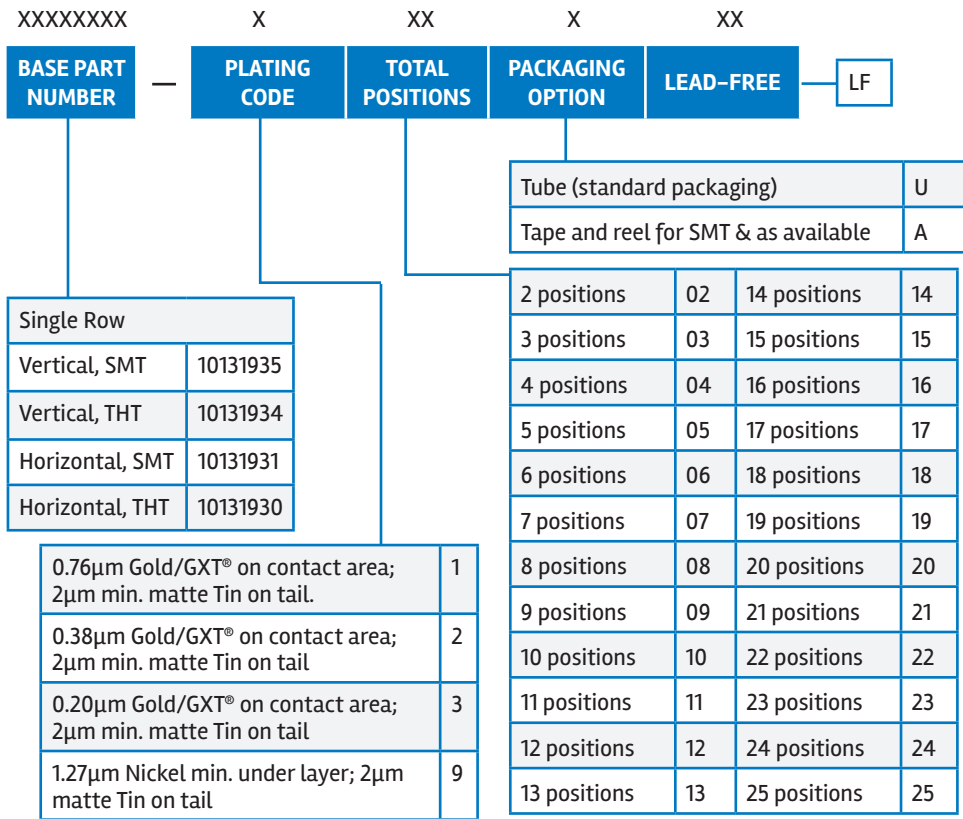


Automotive

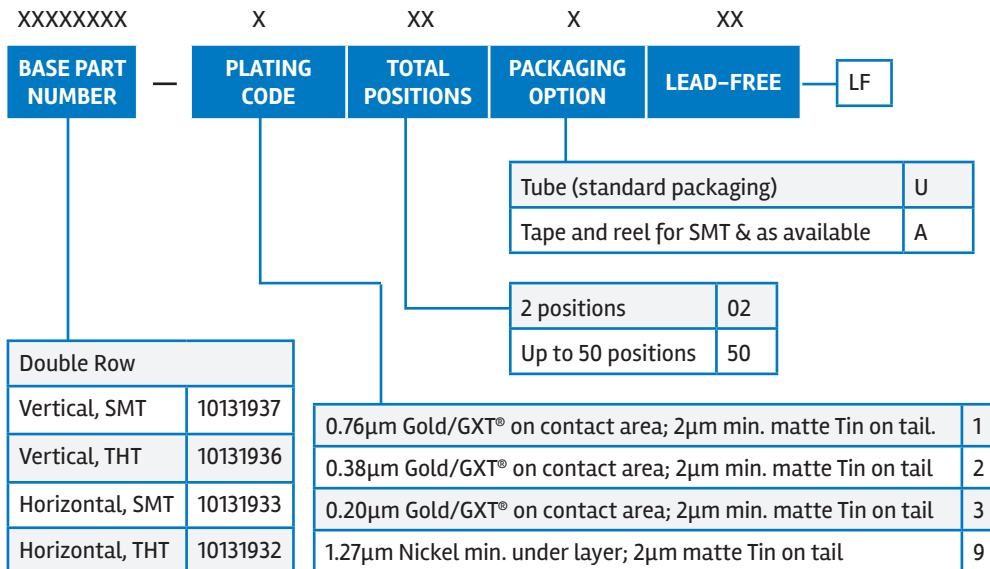


Input/Output Module
Server Drive
Programmable Logic Controller (PLC)

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:

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