

# Minitek® IDC Receptacle

## BOARD/ WIRE-TO-BOARD CONNECTORS

Minitek® is Amphenol FCI’s brand for board-to-board and cable/wire-to-board connectors in 2.00mm (0.079µin.) pitch. Amphenol FCI is the leading supplier of this type of modular system and continues to grow and expand it. A new eject latch header is now being added to this series. This header securely latches the receptacle in place and also enables simple ejection. Four walled shielding protects pins in unmated condition.

To prevent mismatching, the eject latch header is equipped with polarization keys. Recessed pins ensure proper alignment, eliminate damage during mating, and maintain high pin retention to the housing during repeated mating cycles.

The eject latch header has a very compact product design. It is made from thermoplastic compatible with re-flow applications. The latches are specifically designed to minimize space requirements on the printed circuit board. The part mates with the Minitek® IDC receptacle.

### FEATURES

- Early entry, single-beam contacts provide long wiping action for reliable electrical contact



### TARGET MARKETS



### BENEFITS

- Center key polarization and friction latch options

## TECHNICAL INFORMATION

### MATERIALS

- Housing: Black thermoplastic
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating: Gold over 1.27µm (50µin.) nickel

### MECHANICAL PERFORMANCE

- Mating Cycles (Durability): 100

### ELECTRICAL PERFORMANCE

- Current Rating: 1A continuous
- Insulation Resistance: 1 x 10<sup>5</sup>MΩ min.
- Contact Resistance: 15mΩ max.
- Dielectric Withstanding Voltage: 650V



### ENVIRONMENTAL

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

### APPROVALS & CERTIFICATION

- This product is RoHS compatible according to the European Union Directive 2002/95/IEC

### SPECIFICATIONS

-  File no. E66906
-  File no. LR46923
- Product Drawing: 89947 or 89361
- Product Specification: BUS-12-115

### PACKAGING

- Tubes

### INSERTION DEPTH

- 2.55mm min. to 4.57mm max. [provides .381mm wipe]

### TARGET MARKETS/APPLICATIONS



Electronic Control Systems



Communications



Servers



Communication Equipment



Industrial Automation  
Instrumentation



Vending Machines

## PART NUMBERS

Description	Part Numbers
IDC receptacle, Double Row	89947
IDC receptacle, Double Row	89361

## PART NUMBER SELECTOR IDC RECEPTACLE

