

## 040 Series (Mark II)

## Wire to Board

### Features

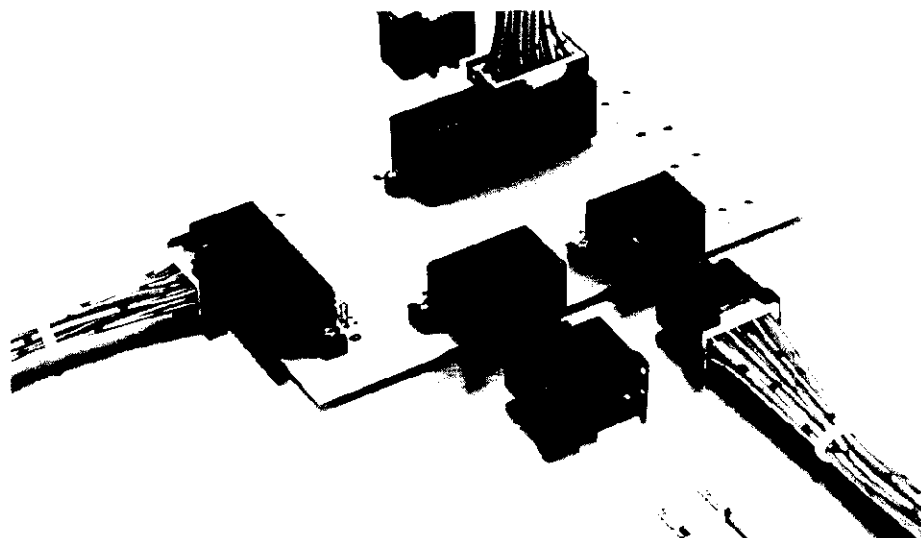
- Small yet durable wire-to-wire and wire-to-board connectors
- High-density wiring connectors with contacts on 2.5 [.098] centers.
- No contact lance so no tangling of contacts with one another.
- Easy to handle.
- Consist of plug housing, receptacle contacts and board-mount cap housing (vertical mounting or horizontal mounting).
- Receptacle contacts for wire termination have a spring encased in a box-shaped enclosure for protection against damage.
- Plug housing is loaded with a two-piece double-lock plate to ensure the loading of contacts. The plate helps prevent contacts from being loaded halfway.
- Board-mount cap housing assembly is available in two styles; horizontal and vertical. Both pre-loaded with posted tab contacts.

### Product Specification:

108-5281

### Application Specification:

114-5094



AMP 040 Series MULTILOCK Connectors (Mark II) are small yet durable, easy-to-handle wire-to-board connectors.

The plug housing for wire termination has an integral two-piece type double-lock plate which helps prevent contacts from being loaded halfway and provides post-loading connector stability. As with the standard type, these connectors are of housing lance design and consequently, there is no possibility of contacts becoming tangled with one another.

The connector consists of the following components:

- Plug housing (for wire termination):  
8, 12, 16 and 20 positions
- Cap housing assembly (mounted on board vertically):  
36 positions
- Cap housing assembly (mounted on board horizontally):  
8, 12, 16, 20, 28 and 36 positions

- Receptacle contacts (for plug housing)  
The receptacle contacts are identical with those used on the standard type connector, having many outstanding features. The plug housing has a built in double-lock plate.

When assembling, insert wire-crimped contacts into all positions, close the housing fully by depressing the top and bottom of the housing. Contacts are now locked into the housing, completing the connector assembly which resists scooping of contacts at mating/unmating and provides durability and reliability.

### Performance Data

#### Low level resistance and Overall resistance:

10mΩ (initial)  
20mΩ (final)

**Insulation resistance:**  
100MΩ 500V DC

**Dielectric withstanding voltage:**  
1,000V AC/one minute

**Contact retention:**  
10kg min.

**Operating temperature:**  
-30°~+105°C

### Connector Components:

