FEATURES
- IDC for 1.27mm (50mil) flat cable (#28 AWG)
- Highly reliable straight beam contact design
- Low insertion and withdrawal force
- Easy to operate One-Touch locking ejector system
- Can be used with MIL-STD type IDC connectors (KEL 6100, 6200, 6200S, 6230 Series for example)
- 13 sizes, from 20 to 100 pins

ORDER CODE

88E

- Plating of contact area
  - Omit : Au 0.05μm (Standard)
  - D : Au 0.25μm (Upon request)
- Contact tail style (Plug only)
  - S : Straight
  - L : Right angle
- Contact name
  - 170 : Plug
  - 171 : Receptacle
- Number of contacts
  - 020 : 20 pin
  - 026 : 26 pin
  - 030 : 30 pin
  - 032 : 32 pin
  - 034 : 34 pin
  - 036 : 36 pin
  - 040 : 40 pin
  - 050 : 50 pin
  - 052 : 52 pin
  - 060 : 60 pin
  - 068 : 68 pin
  - 080 : 80 pin
  - 100 : 100 pin
- Series name
  - 8822E : Receptacle
  - 8830E : Plug, Without hooks
  - 8831E : Plug, With hooks (Right angle only)

SPECIFICATIONS
- Insulator : Glass-filled 66 Nylon (UL 94V-0), Black
- Contact : Copper alloy
- Plating :
  - Contact area : Gold over Nickel
    - (1) Standard : 0.05μm min. Gold
    - (2) Upon request : 0.25μm min. Gold
  - Terminal area : 2μm to 4μm Tin alloy over Nickel
- Current rating : 0.5A per contact
- Contact resistance : 30mΩ max.
- Dielectric withstanding voltage : 650V AC for 1 minute
- Insulation resistance : 1,000MΩ min. at 500V DC
- Operating temperature : -55°C to +85°C
- Recommended cable : #28 AWG (7/0.127), 1.27mm (50mil) pitch, Flat ribbon cable

8822E Series locking ejector system
The 8822E Series locking ejector system is a reversal of the MIL-STD design (KEL 6200 Series), the locking ejectors are integral to the cable connector. The ejectors are automatically locked by insertion in the Plug connector like the MIL-STD design.

The latches remain within the connector outline to reduce the requirements for board space, are unlocked by applying inward pressure and can be operated with only one hand unlike the older designs. This design offers advantages for uses in today’s high density electronic equipment.

Way to insert
Open the ejectors of 8822E Series and insert into 8830E/8831E Series until the latches fully engage.

Way to withdrawal
Press on both sides of the 8822E Series ejectors to release the connector from the Plug connector.
8822E-171 (Receptacle, With locking ejector)

- **Receptacle (IDC Type)**
- **X-X’ Cross Section**
- **Product Table / Dimensions**

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<tr>
<th>No. of contacts</th>
<th>Part Number</th>
<th>A (mm)</th>
<th>B (mm)</th>
<th>C (mm)</th>
<th>D (mm)</th>
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Unit:mm (inch)
8830E-170S- (Plug, With locking ejector)

Plug (Straight Type)

X-X Cross Section

Printed Circuit Board Layout (Component Side View)

Product Table / Dimensions

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<th>C</th>
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Recommended PCB Thickness t=1.6±0.190(0.063±0.007)

"n" is number of contacts.
8830E/8831E-170L (Plug, With locking system)
Specifications and dimensions are subject to change without notice.