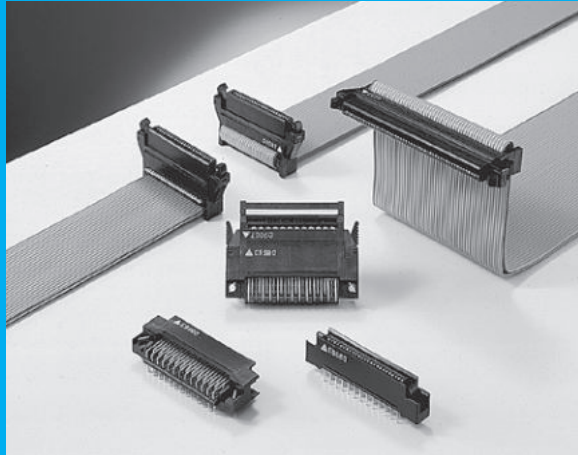


# 8822E / 8822 SERIES

## 1.27mm PITCH CONNECTOR FOR 1.27mm PITCH FLAT CABLE

RoHS  
Compliant



### FEATURES

- ▶ With a completely-independent two-point contact system, a stable contact pressure is maintained at all times.
- ▶ Low insertion and withdrawal force.
- ▶ Can be used with MIL-STD type IDC connectors(KEL 6100, 6200, 6200S, 6230 Series for example).
- ▶ Equipped with the Eject-Lock mechanism, it allows one-handed insertion and release, and the One Touch Lock mechanism for easy handling are available.
- ▶ Wide variations in the number of contacts (13 sizes from 20 to 100 pins) are available.

### ORDER CODE

**8822**       -       - **171**     - **F**

①                      ②                      ③                      ④                      ⑤

\*Please order in multiples of the quantity per package.

- ① **[Type]** Receptacle (Cable side connector) **8822** : One touch lock **8822E** : Eject lock
- ② **[Number of contacts]** **020** : 20pin **026** : 26pin **030** : 30pin **032** : 32pin **034** : 34pin **036** : 36pin **040** : 40pin **050** : 50pin **052** : 52pin  
**060** : 60pin **068** : 68pin **080** : 80pin **100** : 100pin  
 In 8822 series (One Touch Lock type), 36, 80, and 100 pin connectors are not available.
- ③ **[Contact name]** **171**
- ④ **[Plating of contact area]** **Omit** : Au 0.05  $\mu$  m (Standard) **D** : Au 0.25  $\mu$  m (Upon request)
- ⑤ **[RoHS]** **F** : RoHS compliant

If you would like semi-customized products, please contact your local KEL sales office.

### ORDER CODE

**883**       -       - **170**       - **F**

①                      ②                      ③                      ④                      ⑤                      ⑥

\*Please order in multiples of the quantity per package.

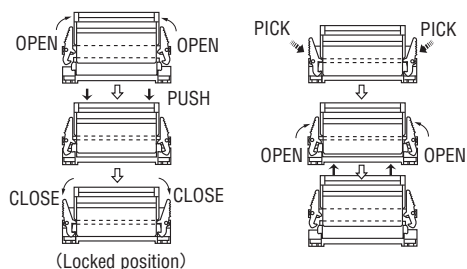
- ① **[Type]** Plug (PCB side connector) **8830** : For 8822 series, without hooks **8831** : For 8822 series, with hooks (L type only)  
**8830E** : For 8822E series, without hooks **8831E** : For 8822E series, with hooks (L type only)
- ② **[Number of contacts]** **020** : 20pin **026** : 26pin **030** : 30pin **032** : 32pin **034** : 34pin **036** : 36pin **040** : 40pin **050** : 50pin **052** : 52pin  
**060** : 60pin **068** : 68pin **080** : 80pin **100** : 100 pin  
 In 8830/31 series (One Touch Lock type), 36, 80, and 100 pin connectors are not available.
- ③ **[Contact name]** **170**
- ④ **[Contact tail style]** **S** : Straight **L** : Right angle
- ⑤ **[Plating of contact area]** **Omit** : Au 0.05  $\mu$  m (Standard) **D** : Au 0.25  $\mu$  m (Upon request)
- ⑥ **[RoHS]** **F** : RoHS compliant

If you would like semi-customized products, please contact your local KEL sales office.

### SPECIFICATIONS

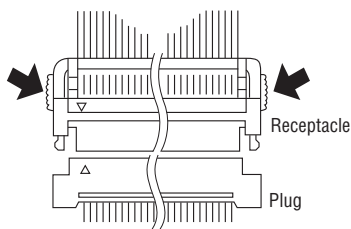
| Material and plating    |                                                                           | Electrical Characteristics      |                                                           |
|-------------------------|---------------------------------------------------------------------------|---------------------------------|-----------------------------------------------------------|
| Insulator material      | Glass-filled Nylon 66 (UL94V-0),Black                                     | Current rating                  | 0.5A per contact                                          |
| Contact material        | Copper alloy                                                              | Contact resistance              | 30m $\Omega$ max.                                         |
| Contact plating         | (Contact area) Gold over Nickel<br>(Terminal area) Tin copper over Nickel | Dielectric withstanding voltage | 650V AC for 1 minute                                      |
|                         |                                                                           | Insulation resistance           | 1,000M $\Omega$ min. at 500V DC                           |
| Retention clip material | Copper alloy                                                              | Operating temperature           | -55°C to +85°C                                            |
| Retention clip plating  | Tin copper over Nickel                                                    | Recommended cable               | #28 AWG(7/0.127),1.27mm(50mil)pitch,<br>Flat ribbon cable |

## 8822E series Eject Lock mechanism



The Eject-Lock of 8822E Series is an innovative mechanism that allows one-handed insertion and release. After inserting the connector, for mating, to an unlocked (OPEN state) receptacle, the mechanism automatically locks the connector (CLOSE state). Then, pressing the ejectors on both sides releases the connector.

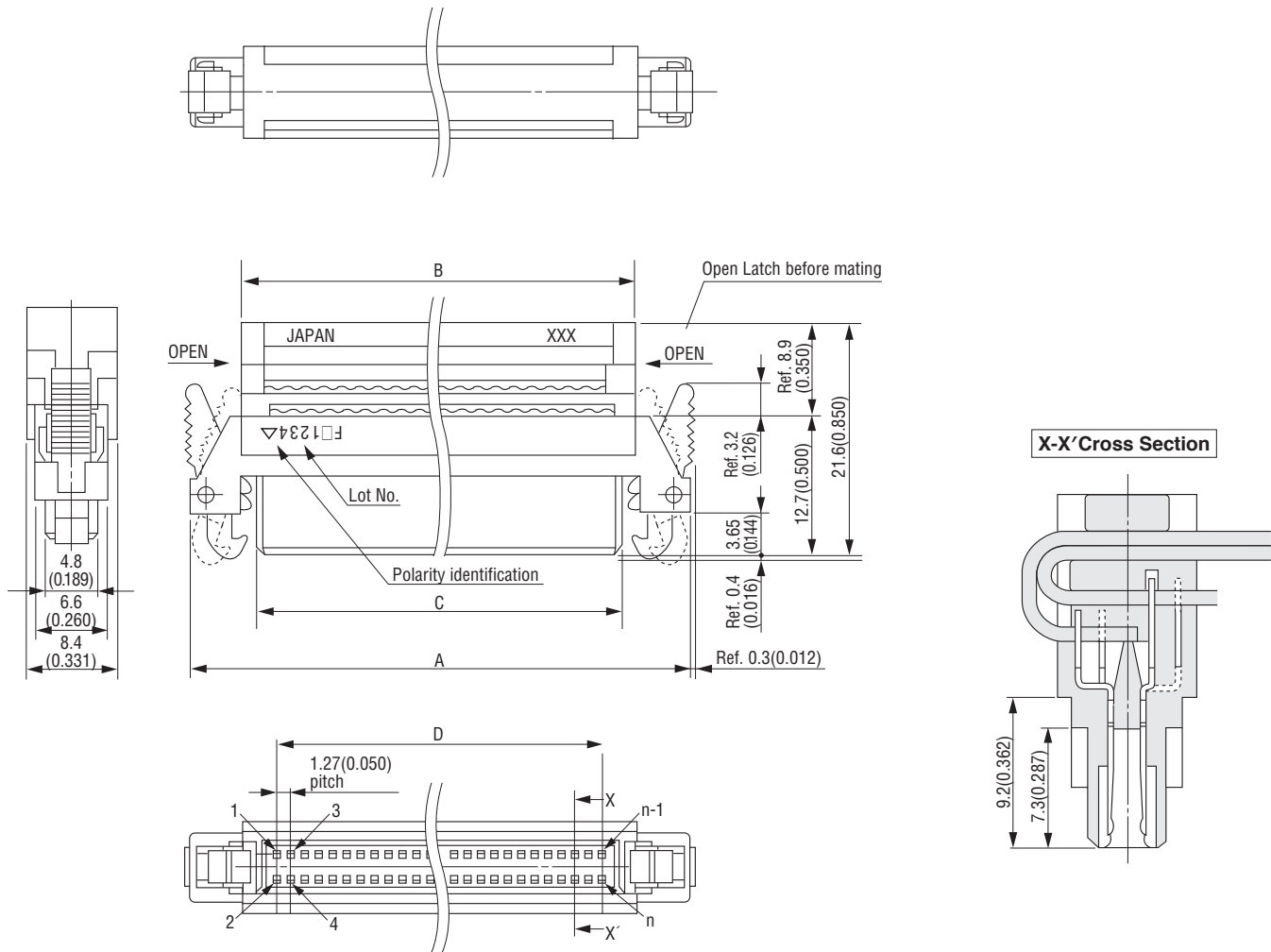
## 8822 series One touch lock mechanism



The One Touch Lock of 8822 Series is a mechanism that allows insertion/release of the connector with a single operation. It locks the connector by just inserting it to a receptacle for mating. Then, holding the lock springs at both ends of the receptacle with your thumb and forefinger and pressing them slightly unlocks the connector, allowing it to be removed.

# 8822E-□□□-171□-F (Receptacle, Cable side connector, Eject lock)

Unit : mm(inch)



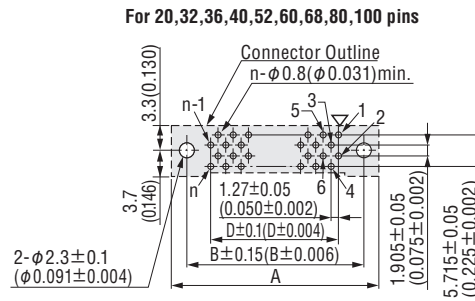
"n" is number of contacts.

| Packaging style |
|-----------------|
| Other           |

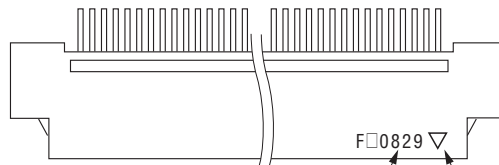
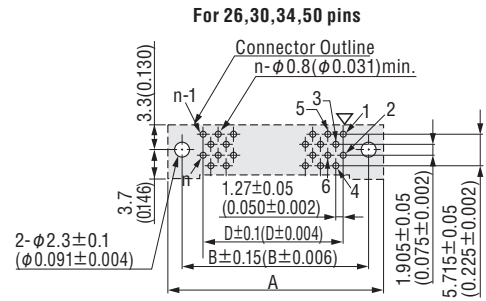
## Product Table / Dimensions

| No. of contacts | Part Number      | A                | B                | C                | D                | Number of packaging |
|-----------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8822E-020-171□-F | 27.83<br>(1.096) | 17.83<br>(0.702) | 15.43<br>(0.607) | 11.43<br>(0.450) | 80                  |
| 26              | 8822E-026-171□-F | 31.64<br>(1.246) | 21.64<br>(0.852) | 19.24<br>(0.757) | 15.24<br>(0.600) | 80                  |
| 30              | 8822E-030-171□-F | 34.18<br>(1.346) | 24.18<br>(0.952) | 21.78<br>(0.857) | 17.78<br>(0.700) | 80                  |
| 32              | 8822E-032-171□-F | 35.45<br>(1.396) | 25.45<br>(1.002) | 23.05<br>(0.907) | 19.05<br>(0.750) | 80                  |
| 34              | 8822E-034-171□-F | 36.72<br>(1.446) | 26.72<br>(1.052) | 24.32<br>(0.957) | 20.32<br>(0.800) | 80                  |
| 36              | 8822E-036-171□-F | 37.99<br>(1.496) | 27.99<br>(1.102) | 25.59<br>(1.007) | 21.59<br>(0.850) | 60                  |
| 40              | 8822E-040-171□-F | 40.53<br>(1.596) | 30.53<br>(1.202) | 28.13<br>(1.107) | 24.13<br>(0.950) | 60                  |
| 50              | 8822E-050-171□-F | 46.88<br>(1.846) | 36.88<br>(1.452) | 34.48<br>(1.357) | 30.48<br>(1.200) | 50                  |
| 52              | 8822E-052-171□-F | 48.15<br>(1.896) | 38.15<br>(1.502) | 35.75<br>(1.407) | 31.75<br>(1.250) | 50                  |
| 60              | 8822E-060-171□-F | 53.23<br>(2.096) | 43.23<br>(1.702) | 40.83<br>(1.607) | 36.83<br>(1.450) | 50                  |
| 68              | 8822E-068-171□-F | 58.31<br>(2.296) | 48.31<br>(1.902) | 45.91<br>(1.807) | 41.91<br>(1.650) | 50                  |
| 80              | 8822E-080-171□-F | 65.93<br>(2.596) | 55.93<br>(2.202) | 53.53<br>(2.107) | 49.53<br>(1.950) | 50                  |
| 100             | 8822E-100-171□-F | 78.63<br>(3.096) | 68.63<br>(2.702) | 66.23<br>(2.607) | 62.23<br>(2.450) | 50                  |

## ▶ Printed Circuit Board Layout (Component Side View)

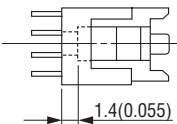
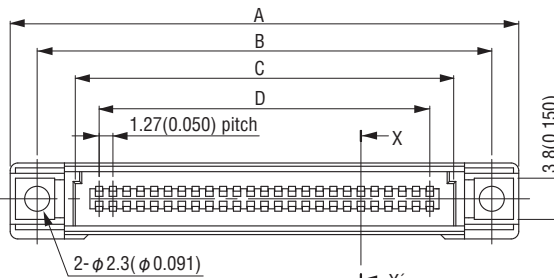


Recommended PCB Thickness  $t=1.6 \pm 0.2$  (0.063  $\pm$  0.008)  
 ▽=Polarity identification "n" is number of contacts.

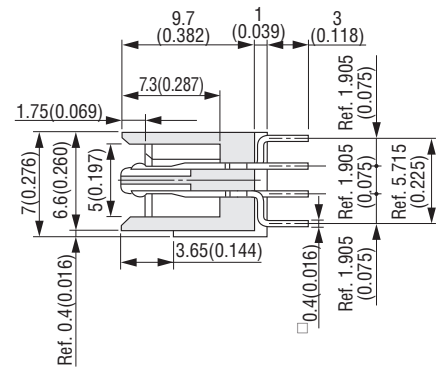


Lot No.

Polarity identification



## X-X' Cross Section



Packaging style

Pipe

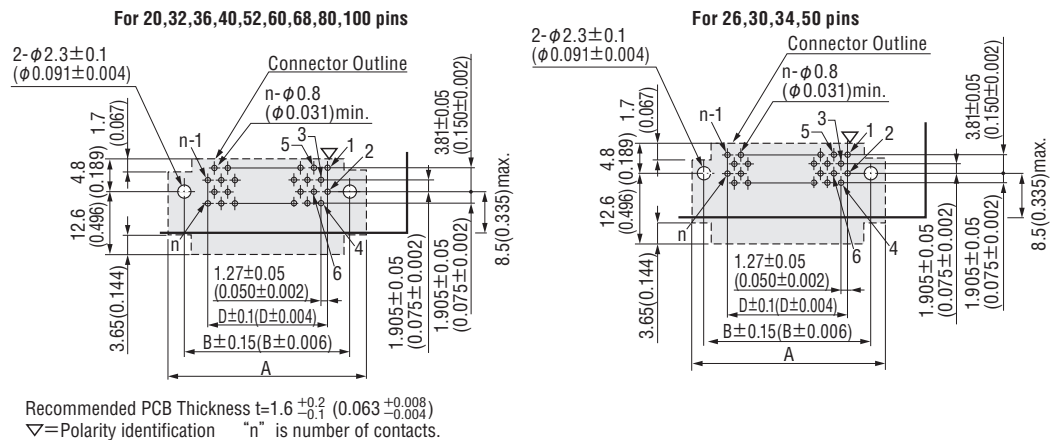
## ▶ Product Table / Dimensions

| No. of contacts | Part Number       | A                | B                | C                | D                | Number of packaging |
|-----------------|-------------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8830E-020-170S□-F | 27.83<br>(1.096) | 22.86<br>(0.900) | 15.83<br>(0.623) | 11.43<br>(0.450) | 18                  |
| 26              | 8830E-026-170S□-F | 31.64<br>(1.246) | 26.67<br>(1.050) | 19.64<br>(0.773) | 15.24<br>(0.600) | 16                  |
| 30              | 8830E-030-170S□-F | 34.18<br>(1.346) | 29.21<br>(1.150) | 22.18<br>(0.873) | 17.78<br>(0.700) | 14                  |
| 32              | 8830E-032-170S□-F | 35.45<br>(1.396) | 30.48<br>(1.200) | 23.45<br>(0.923) | 19.05<br>(0.750) | 14                  |
| 34              | 8830E-034-170S□-F | 36.72<br>(1.446) | 31.75<br>(1.250) | 24.72<br>(0.973) | 20.32<br>(0.800) | 13                  |
| 36              | 8830E-036-170S□-F | 37.99<br>(1.496) | 33.02<br>(1.300) | 25.99<br>(1.023) | 21.59<br>(0.850) | 13                  |
| 40              | 8830E-040-170S□-F | 40.53<br>(1.596) | 35.56<br>(1.400) | 28.53<br>(1.123) | 24.13<br>(0.950) | 12                  |
| 50              | 8830E-050-170S□-F | 46.88<br>(1.846) | 41.91<br>(1.650) | 34.88<br>(1.373) | 30.48<br>(1.200) | 10                  |
| 52              | 8830E-052-170S□-F | 48.15<br>(1.896) | 43.18<br>(1.700) | 36.15<br>(1.423) | 31.75<br>(1.250) | 10                  |
| 60              | 8830E-060-170S□-F | 53.23<br>(2.096) | 48.26<br>(1.900) | 41.23<br>(1.623) | 36.83<br>(1.450) | 9                   |
| 68              | 8830E-068-170S□-F | 58.31<br>(2.296) | 53.34<br>(2.100) | 46.31<br>(1.823) | 41.91<br>(1.650) | 8                   |
| 80              | 8830E-080-170S□-F | 65.93<br>(2.596) | 60.96<br>(2.400) | 53.93<br>(2.123) | 49.53<br>(1.950) | 7                   |
| 100             | 8830E-100-170S□-F | 78.63<br>(3.096) | 73.66<br>(2.900) | 66.63<br>(2.623) | 62.23<br>(2.450) | 6                   |

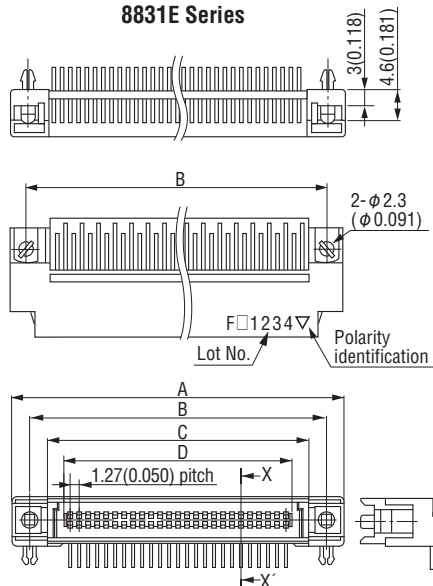
# 8830E/8831E-□□□-170L□-F (Plug, PCB side connector, Right angle, For 8822E)

Unit : mm(inch)

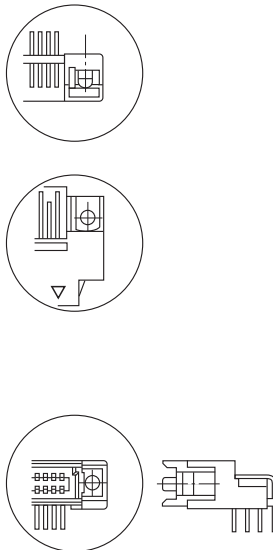
## Printed Circuit Board Layout (Component Side View)



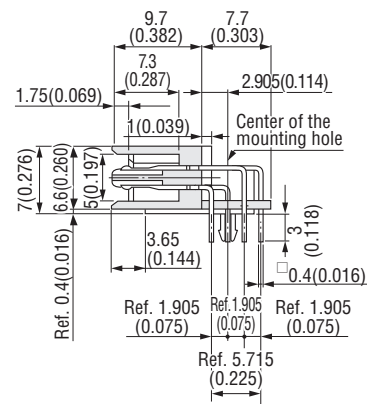
### 8831E Series



### 8830E Series



### X-X' Cross Section

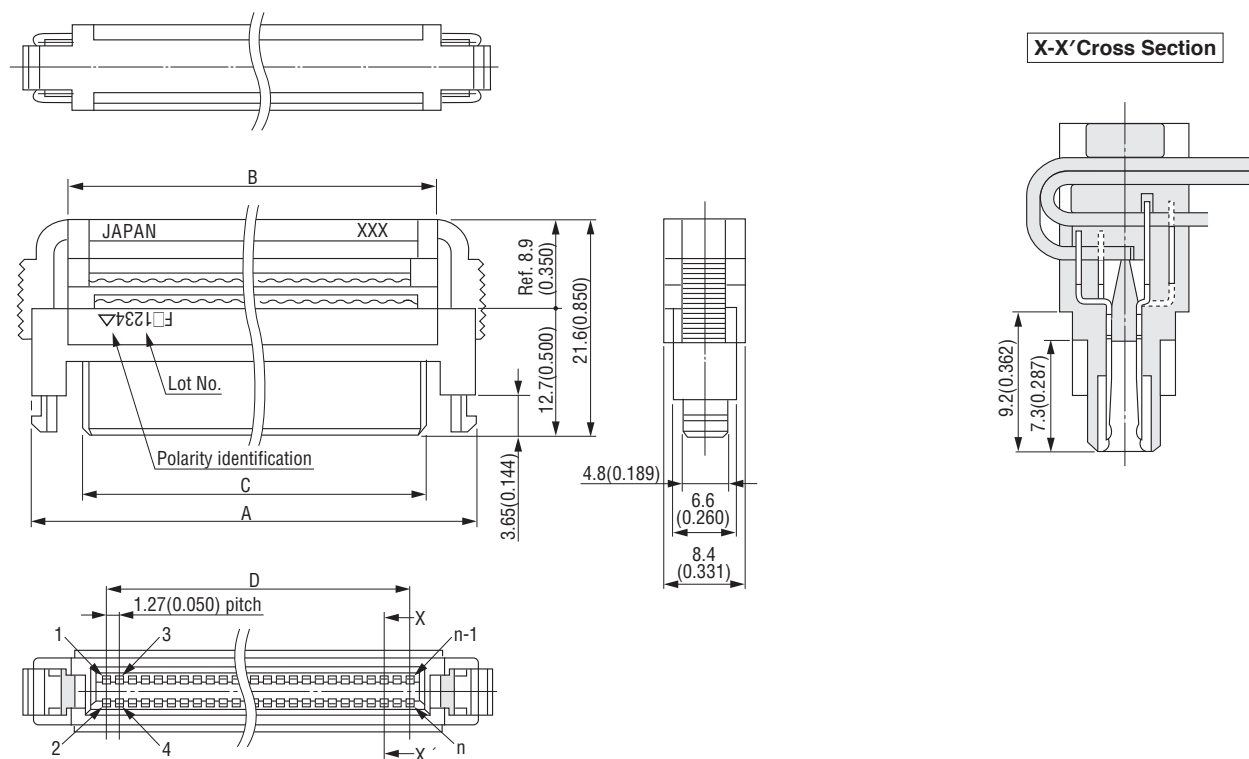


Packaging style

Pipe

## Product Table / Dimensions

| No. of contacts | Part Number                            | A                | B                | C                | D                | Number of packaging |
|-----------------|----------------------------------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8830E 020-170L□-F<br>8831E 020-170L□-F | 27.83<br>(1.096) | 22.86<br>(0.900) | 15.83<br>(0.623) | 11.43<br>(0.450) | 18                  |
| 26              | 8830E 026-170L□-F<br>8831E 026-170L□-F | 31.64<br>(1.246) | 26.67<br>(1.050) | 19.64<br>(0.773) | 15.24<br>(0.600) | 16                  |
| 30              | 8830E 030-170L□-F<br>8831E 030-170L□-F | 34.18<br>(1.346) | 29.21<br>(1.150) | 22.18<br>(0.873) | 17.78<br>(0.700) | 14                  |
| 32              | 8830E 032-170L□-F<br>8831E 032-170L□-F | 35.45<br>(1.396) | 30.48<br>(1.200) | 23.45<br>(0.923) | 19.05<br>(0.750) | 14                  |
| 34              | 8830E 034-170L□-F<br>8831E 034-170L□-F | 36.72<br>(1.446) | 31.75<br>(1.250) | 24.72<br>(0.973) | 20.32<br>(0.800) | 13                  |
| 36              | 8830E 036-170L□-F<br>8831E 036-170L□-F | 37.99<br>(1.496) | 33.02<br>(1.300) | 25.99<br>(1.023) | 21.59<br>(0.850) | 13                  |
| 40              | 8830E 040-170L□-F<br>8831E 040-170L□-F | 40.53<br>(1.596) | 35.56<br>(1.400) | 28.53<br>(1.123) | 24.13<br>(0.950) | 12                  |
| 50              | 8830E 050-170L□-F<br>8831E 050-170L□-F | 46.88<br>(1.846) | 41.91<br>(1.650) | 34.88<br>(1.373) | 30.48<br>(1.200) | 10                  |
| 52              | 8830E 052-170L□-F<br>8831E 052-170L□-F | 48.15<br>(1.896) | 43.18<br>(1.700) | 36.15<br>(1.423) | 31.75<br>(1.250) | 10                  |
| 60              | 8830E 060-170L□-F<br>8831E 060-170L□-F | 53.23<br>(2.096) | 48.26<br>(1.900) | 41.23<br>(1.623) | 36.83<br>(1.450) | 9                   |
| 68              | 8830E 068-170L□-F<br>8831E 068-170L□-F | 58.31<br>(2.296) | 53.34<br>(2.100) | 46.31<br>(1.823) | 41.91<br>(1.650) | 8                   |
| 80              | 8830E 080-170L□-F<br>8831E 080-170L□-F | 65.93<br>(2.596) | 60.96<br>(2.400) | 53.93<br>(2.123) | 49.53<br>(1.950) | 7                   |
| 100             | 8830E 100-170L□-F<br>8831E 100-170L□-F | 78.63<br>(3.096) | 73.66<br>(2.900) | 66.63<br>(2.623) | 62.23<br>(2.450) | 6                   |



'n' is number of contacts

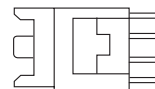
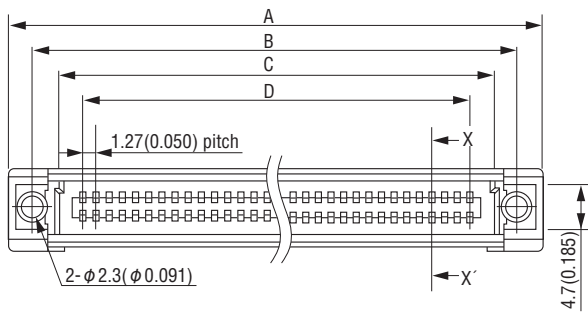
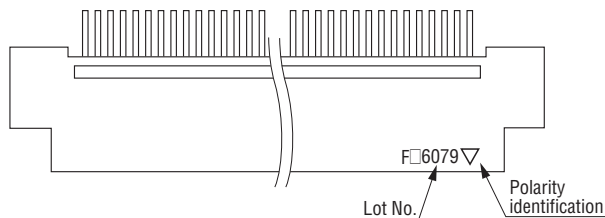
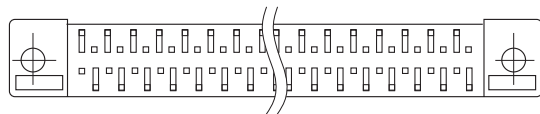
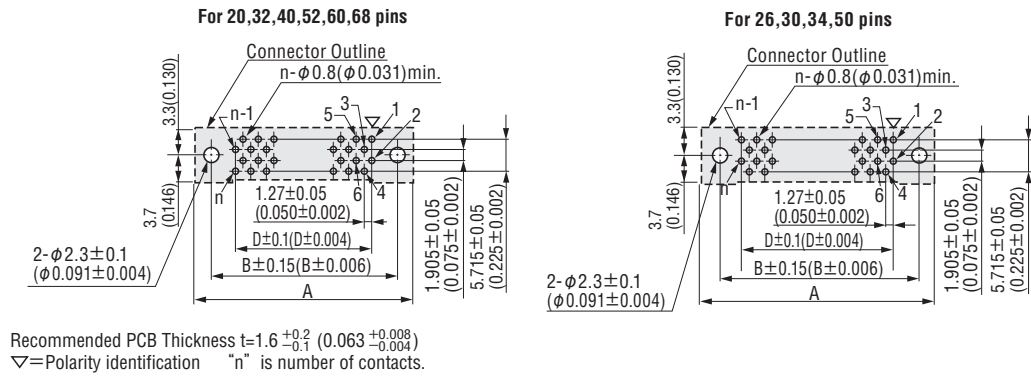
Packaging style

Other

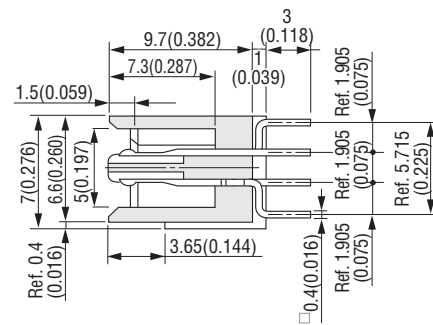
► Product Table / Dimensions

| No. of contacts | Part Number     | A                | B                | C                | D                | Number of packaging |
|-----------------|-----------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8822-020-171□-F | 25.43<br>(1.001) | 17.83<br>(0.702) | 15.43<br>(0.607) | 11.43<br>(0.450) | 80                  |
| 26              | 8822-026-171□-F | 29.24<br>(1.151) | 21.64<br>(0.852) | 19.24<br>(0.757) | 15.24<br>(0.600) | 80                  |
| 30              | 8822-030-171□-F | 31.78<br>(1.251) | 24.18<br>(0.952) | 21.78<br>(0.857) | 17.78<br>(0.700) | 80                  |
| 32              | 8822-032-171□-F | 33.05<br>(1.301) | 25.45<br>(1.002) | 23.05<br>(0.907) | 19.05<br>(0.750) | 80                  |
| 34              | 8822-034-171□-F | 34.32<br>(1.351) | 26.72<br>(1.052) | 24.32<br>(0.957) | 20.32<br>(0.800) | 80                  |
| 40              | 8822-040-171□-F | 38.13<br>(1.501) | 30.53<br>(1.202) | 28.13<br>(1.107) | 24.13<br>(0.950) | 60                  |
| 50              | 8822-050-171□-F | 44.48<br>(1.751) | 36.88<br>(1.452) | 34.48<br>(1.357) | 30.48<br>(1.200) | 50                  |
| 52              | 8822-052-171□-F | 45.75<br>(1.801) | 38.15<br>(1.502) | 35.75<br>(1.407) | 31.75<br>(1.250) | 50                  |
| 60              | 8822-060-171□-F | 50.83<br>(2.001) | 43.23<br>(1.702) | 40.83<br>(1.607) | 36.83<br>(1.450) | 50                  |
| 68              | 8822-068-171□-F | 55.91<br>(2.201) | 48.31<br>(1.902) | 45.91<br>(1.807) | 41.91<br>(1.650) | 50                  |

## Printed Circuit Board Layout (Component Side View)



## X-X' Cross Section



Packaging style

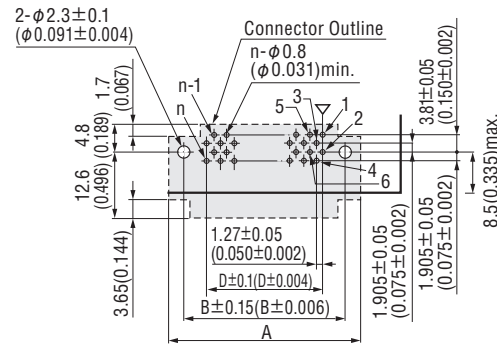
Pipe

## Product Table / Dimensions

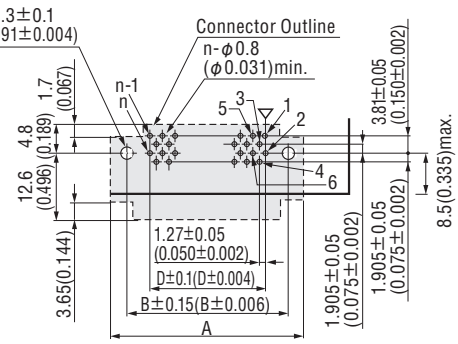
| No. of contacts | Part Number      | A                | B                | C                | D                | Number of packaging |
|-----------------|------------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8830-020-170S□-F | 25.43<br>(1.001) | 20.32<br>(0.800) | 15.83<br>(0.623) | 11.43<br>(0.450) | 20                  |
| 26              | 8830-026-170S□-F | 29.24<br>(1.151) | 24.13<br>(0.950) | 19.64<br>(0.773) | 15.24<br>(0.600) | 17                  |
| 30              | 8830-030-170S□-F | 31.78<br>(1.251) | 26.67<br>(1.050) | 22.18<br>(0.873) | 17.78<br>(0.700) | 16                  |
| 32              | 8830-032-170S□-F | 33.05<br>(1.301) | 27.94<br>(1.100) | 23.45<br>(0.923) | 19.05<br>(0.750) | 15                  |
| 34              | 8830-034-170S□-F | 34.32<br>(1.351) | 29.21<br>(1.150) | 24.72<br>(0.973) | 20.32<br>(0.800) | 14                  |
| 40              | 8830-040-170S□-F | 38.13<br>(1.501) | 33.02<br>(1.300) | 28.53<br>(1.123) | 24.13<br>(0.950) | 13                  |
| 50              | 8830-050-170S□-F | 44.48<br>(1.751) | 39.37<br>(1.550) | 34.88<br>(1.373) | 30.48<br>(1.200) | 11                  |
| 52              | 8830-052-170S□-F | 45.75<br>(1.801) | 40.64<br>(1.600) | 36.15<br>(1.423) | 31.75<br>(1.250) | 11                  |
| 60              | 8830-060-170S□-F | 50.83<br>(2.001) | 45.72<br>(1.800) | 41.23<br>(1.623) | 36.83<br>(1.450) | 10                  |
| 68              | 8830-068-170S□-F | 55.91<br>(2.201) | 50.80<br>(2.000) | 46.31<br>(1.823) | 41.91<br>(1.650) | 9                   |

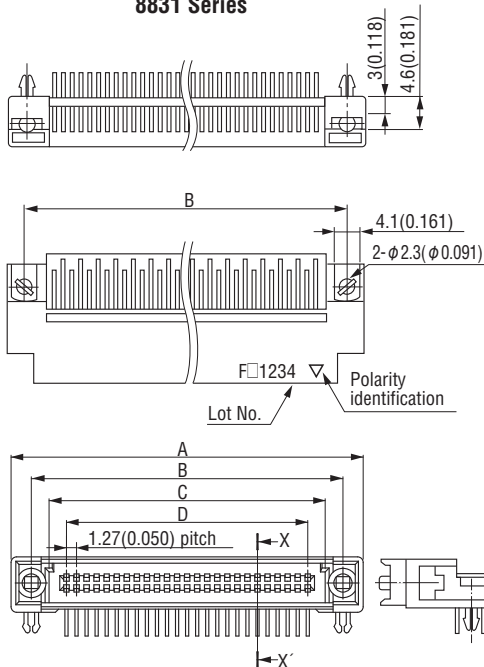
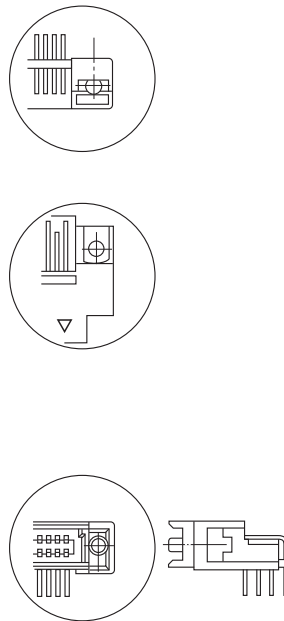
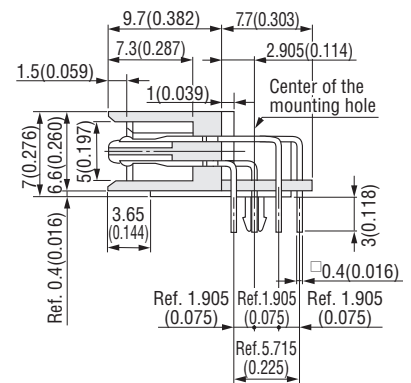
**▶ Printed Circuit Board Layout (Component Side View)**

For 20,32,40,52,60,68 pins



For 26,30,34,50 pins


Recommended PCB Thickness  $t=1.6^{+0.2}_{-0.1}$  (0.063<sup>+0.008</sup><sub>-0.004</sub>)  
▽=Polarity identification "n" is number of contacts.

**8831 Series**

**8830 Series**

**X-X' Cross Section**


Packaging style

Pipe

**▶ Product Table / Dimensions**

| No. of contacts | Part Number              | A                | B                | C                | D                | Number of packaging |
|-----------------|--------------------------|------------------|------------------|------------------|------------------|---------------------|
| 20              | 8830<br>8831-020-170L□-F | 25.43<br>(1.001) | 20.32<br>(0.800) | 15.83<br>(0.623) | 11.43<br>(0.450) | 20                  |
| 26              | 8830<br>8831-026-170L□-F | 29.24<br>(1.151) | 24.13<br>(0.950) | 19.64<br>(0.773) | 15.24<br>(0.600) | 17                  |
| 30              | 8830<br>8831-030-170L□-F | 31.78<br>(1.251) | 26.67<br>(1.050) | 22.18<br>(0.873) | 17.78<br>(0.700) | 16                  |
| 32              | 8830<br>8831-032-170L□-F | 33.05<br>(1.301) | 27.94<br>(1.100) | 23.45<br>(0.923) | 19.05<br>(0.750) | 15                  |
| 34              | 8830<br>8831-034-170L□-F | 34.32<br>(1.351) | 29.21<br>(1.150) | 24.72<br>(0.973) | 20.32<br>(0.800) | 14                  |
| 40              | 8830<br>8831-040-170L□-F | 38.13<br>(1.501) | 33.02<br>(1.300) | 28.53<br>(1.123) | 24.13<br>(0.950) | 13                  |
| 50              | 8830<br>8831-050-170L□-F | 44.48<br>(1.751) | 39.37<br>(1.550) | 34.88<br>(1.373) | 30.48<br>(1.200) | 11                  |
| 52              | 8830<br>8831-052-170L□-F | 45.75<br>(1.801) | 40.64<br>(1.600) | 36.15<br>(1.423) | 31.75<br>(1.250) | 11                  |
| 60              | 8830<br>8831-060-170L□-F | 50.83<br>(2.001) | 45.72<br>(1.800) | 41.23<br>(1.623) | 36.83<br>(1.450) | 10                  |
| 68              | 8830<br>8831-068-170L□-F | 55.91<br>(2.201) | 50.80<br>(2.000) | 46.31<br>(1.823) | 41.91<br>(1.650) | 9                   |

## CABLE ASSEMBLY / PIN ASSIGNMENT

**ORDER CODE**

8822  -  - 171  F -   -

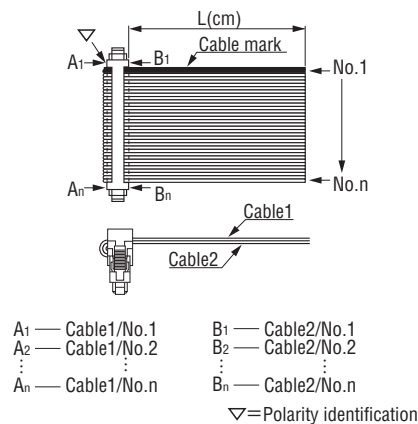
①      ②      ③      ④      ⑤      ⑥      ⑦      ⑧      ⑨

- |                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| ① <b>[Type]</b> Receptacle <b>8822E</b> : Eject lock <b>8822</b> : One touch lock                                                                                                                                                                                                                                                                                                   | ④ <b>[Plating of contact area]</b> <b>Omit</b> : Au 0.05 μm(Standard)<br><b>D</b> : Au 0.25μm(Upon request)       |
| ② <b>[No. of contacts]</b> <b>020</b> : 20pin <b>026</b> : 26pin <b>030</b> : 30pin<br><b>032</b> : 32pin <b>034</b> : 34pin <b>036</b> : 36pin <b>040</b> : 40pin <b>050</b> : 50pin<br><b>052</b> : 52pin <b>060</b> : 60pin <b>068</b> : 68pin <b>080</b> : 80pin <b>100</b> : 100pin<br>In 8822 series (One Touch Lock type), 36, 80, and 100 pin connectors are not available. | ⑤ <b>[RoHS]</b> <b>F</b> : RoHS Compliant                                                                         |
|                                                                                                                                                                                                                                                                                                                                                                                     | ⑥ <b>[Cable length (cm)]</b> <b>L</b> : Dimension (3cm min.) (Example : 013=13cm)                                 |
|                                                                                                                                                                                                                                                                                                                                                                                     | ⑦ <b>[Cable type]</b> <b>Omit</b> : Flat cable <b>*S</b> : Intermittent bonded cable <b>*T</b> : Twist&Flat cable |
|                                                                                                                                                                                                                                                                                                                                                                                     | ⑧ <b>[Wiring code]</b> <b>AA, AC, BB, BD, AO, CO</b>                                                              |
| ③ <b>[Contact name]</b> <b>171</b>                                                                                                                                                                                                                                                                                                                                                  | ⑨ <b>[BB-wired products]</b> <b>Omit</b> : Twist type <b>C</b> : Through type                                     |

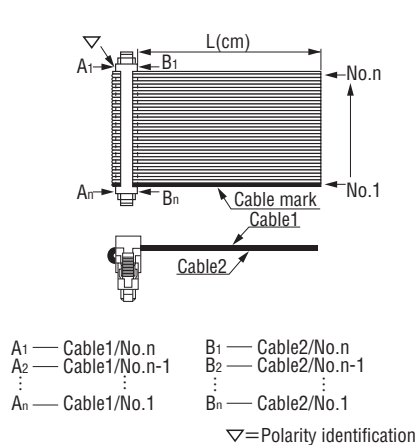
\*BB and BD codes are available for only intermittent bonded and Twist&Flat cables. \*If you would like semi-customized products, please contact your local KEL sales office.

## ► Cable assemblies

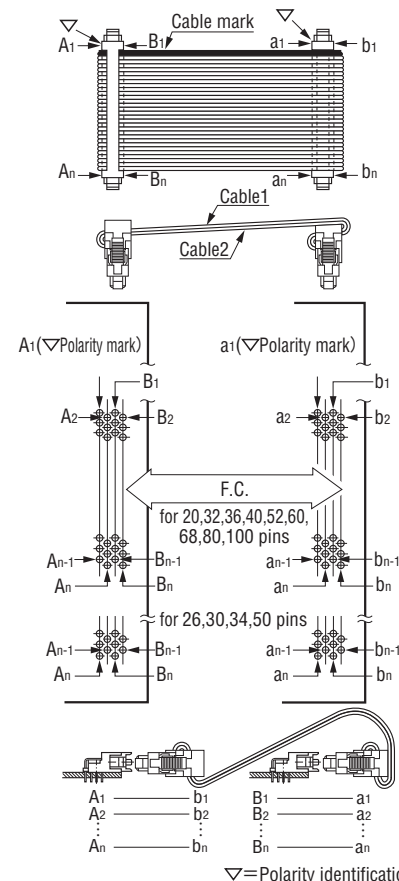
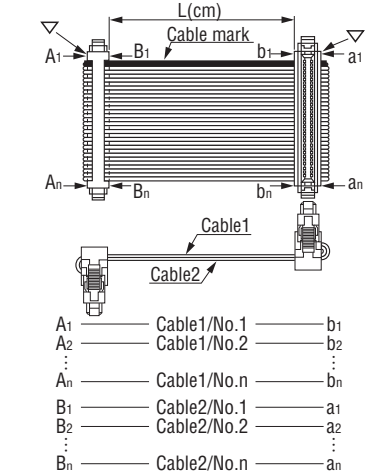
8822- -171F- -A0



8822□-□□□-171□F-□□□ □-C0

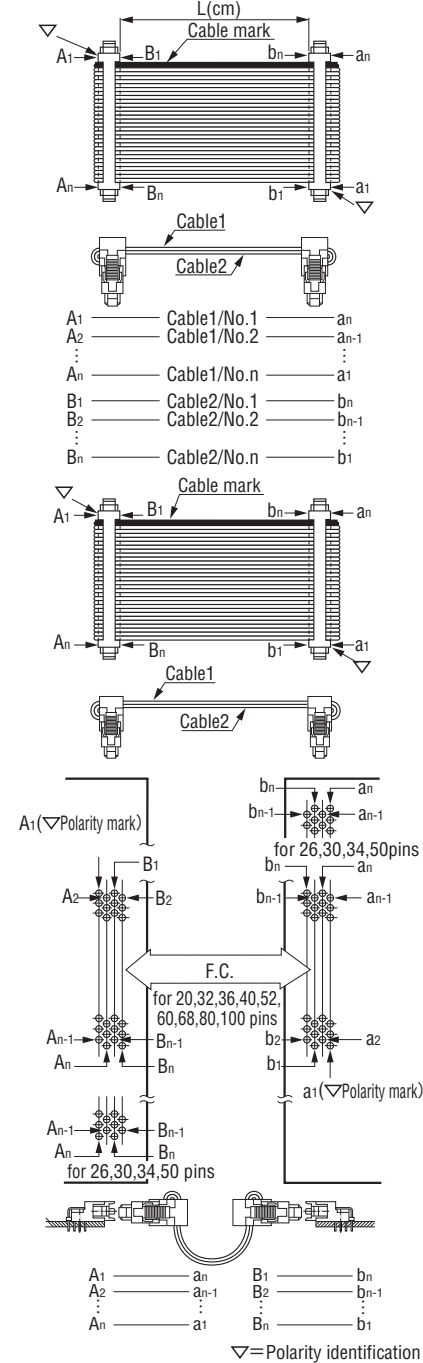


8822- -171F- -AA



▽=Polarity identification

8822- -171F- -AC



▽=Polarity identification

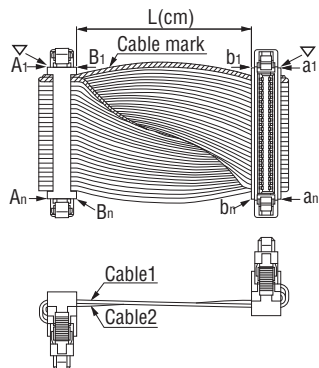
\* Intermittent bonded and Twist&Flat cable have a restriction on cable length (L dimension) because they are terminated at the fused part.

\* For AO and CO codes, orders are accepted in even quantities. \* Harness end has an extra cable of approximate 1mm beyond the connector edge.

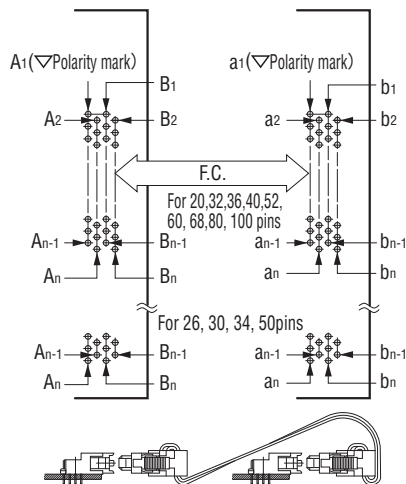
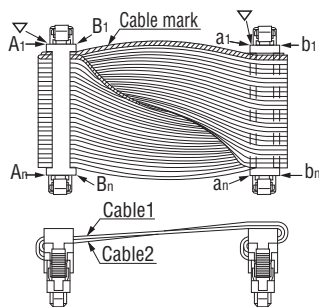
Note: Please be careful when trimming the cable after terminating the 8822E/8822 Series, to protect against the flat ribbon cable that extends beyond the edge of the cable connector body touching the PCB and creating a short circuit. (When used with Right angle Plug connector)

## ► Cable assemblies

**8822□-□□□-171□F-□□□□-BB**  
(Twist type)



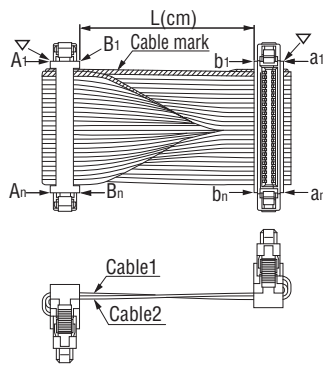
A<sub>1</sub> — Cable1/No.1 — a<sub>1</sub>  
A<sub>2</sub> — Cable1/No.2 — a<sub>2</sub>  
...  
A<sub>n</sub> — Cable1/No.n — a<sub>n</sub>  
B<sub>1</sub> — Cable2/No.1 — b<sub>1</sub>  
B<sub>2</sub> — Cable2/No.2 — b<sub>2</sub>  
...  
B<sub>n</sub> — Cable2/No.n — b<sub>n</sub>



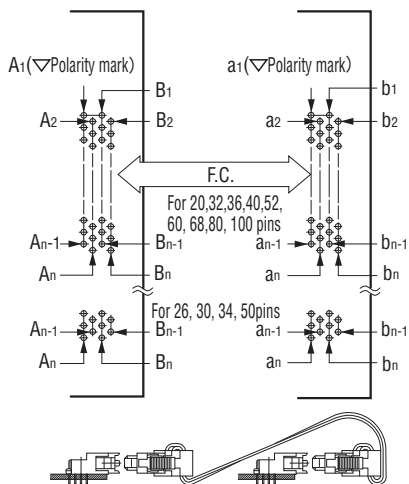
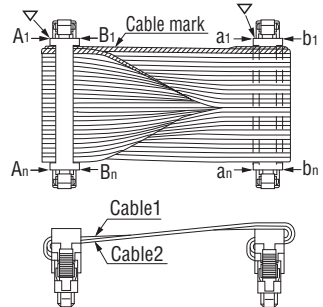
A<sub>1</sub> — a<sub>1</sub> B<sub>1</sub> — b<sub>1</sub>  
A<sub>2</sub> — a<sub>2</sub> B<sub>2</sub> — b<sub>2</sub>  
...  
A<sub>n</sub> — a<sub>n</sub> B<sub>n</sub> — b<sub>n</sub>

▽=Polarity identification

**8822□-□□□-171□F-□□□□-BBC**  
(Through type)



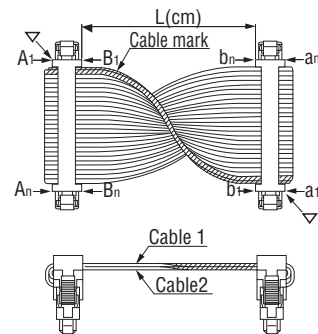
A<sub>1</sub> — Cable1/No.1 — a<sub>1</sub>  
A<sub>2</sub> — Cable1/No.2 — a<sub>2</sub>  
...  
A<sub>n</sub> — Cable1/No.n — a<sub>n</sub>  
B<sub>1</sub> — Cable2/No.1 — b<sub>1</sub>  
B<sub>2</sub> — Cable2/No.2 — b<sub>2</sub>  
...  
B<sub>n</sub> — Cable2/No.n — b<sub>n</sub>



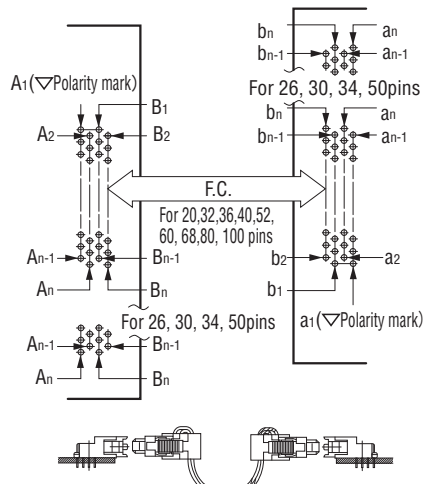
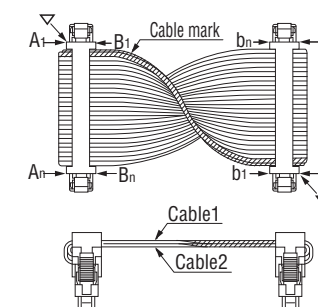
A<sub>1</sub> — a<sub>1</sub> B<sub>1</sub> — b<sub>1</sub>  
A<sub>2</sub> — a<sub>2</sub> B<sub>2</sub> — b<sub>2</sub>  
...  
A<sub>n</sub> — a<sub>n</sub> B<sub>n</sub> — b<sub>n</sub>

▽=Polarity identification

**8822□-□□□-171□F-□□□□-BD**



A<sub>1</sub> — Cable1/No.1 — a<sub>1</sub>  
A<sub>2</sub> — Cable1/No.2 — a<sub>2</sub>  
...  
A<sub>n</sub> — Cable1/No.n — a<sub>n</sub>  
B<sub>1</sub> — Cable2/No.1 — b<sub>1</sub>  
B<sub>2</sub> — Cable2/No.2 — b<sub>2</sub>  
...  
B<sub>n</sub> — Cable2/No.n — b<sub>n</sub>



A<sub>1</sub> — a<sub>1</sub> B<sub>1</sub> — b<sub>1</sub>  
A<sub>2</sub> — a<sub>2</sub> B<sub>2</sub> — b<sub>2</sub>  
...  
A<sub>n</sub> — a<sub>n</sub> B<sub>n</sub> — b<sub>n</sub>

▽=Polarity identification

\* Intermittent bonded and Twist&Flat cable have a restriction on cable length (L dimension) because they are terminated at the fused part.

\* Harness end has an extra cable of approximate 1mm beyond the connector edge.

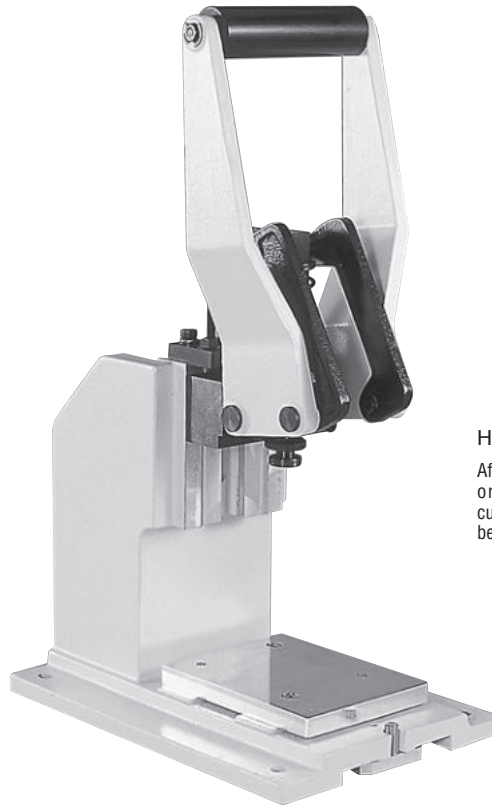
Note: Please be careful when trimming the cable after terminating the 8822E/8822 Series, to protect against the flat ribbon cable that extends beyond the edge of the cable connector body touching the PCB and creating a short circuit.(When used with Right angle Plug connector)

## Cable assembly tools

### A smooth procedure from cutting of a flat cable to terminal connection to a connector can be achieved.

A hand press (HP-12), cable terminator, and termination equipment, which are designed to be user-friendly and to achieve advanced workability, can be utilized for more speedy and reliable insulation displacement connection between a flat cable and receptacle-side connector (8822E/8822 Series).

The cable terminator and termination equipment can be easily replaced on a plate of the hand press. By attaching a relevant accessory, a series of tasks, such as those "from cutting of a cable to terminal connection to a connector" can be efficiently completed.



**Hand press (HP-12)**

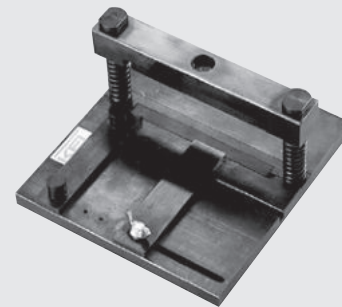
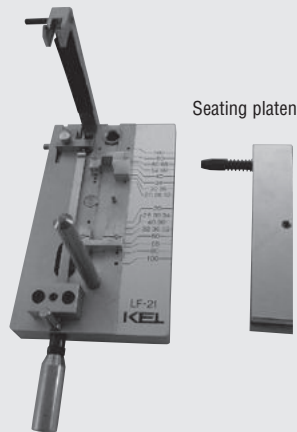
After mounting the cable terminator or termination equipment, both cutting and terminal connection can be operated by the handle.

#### ◆ Locating fixture for HP-12

##### Termination equipment(LF-21)

It is to be mounted on the plate of a hand press to facilitate the insulation displacement connection between a cable and connector (for 8822E/8822 Series).

\* The termination equipment (LF-21) is supplied in combination with a seating platen.



**Cable terminator(CT-15)**

It is to be mounted on the plate of a hand press to cut a flat cable.

\* Configuration of the termination equipment and cable terminator illustrated above may be changed due to their modifications.