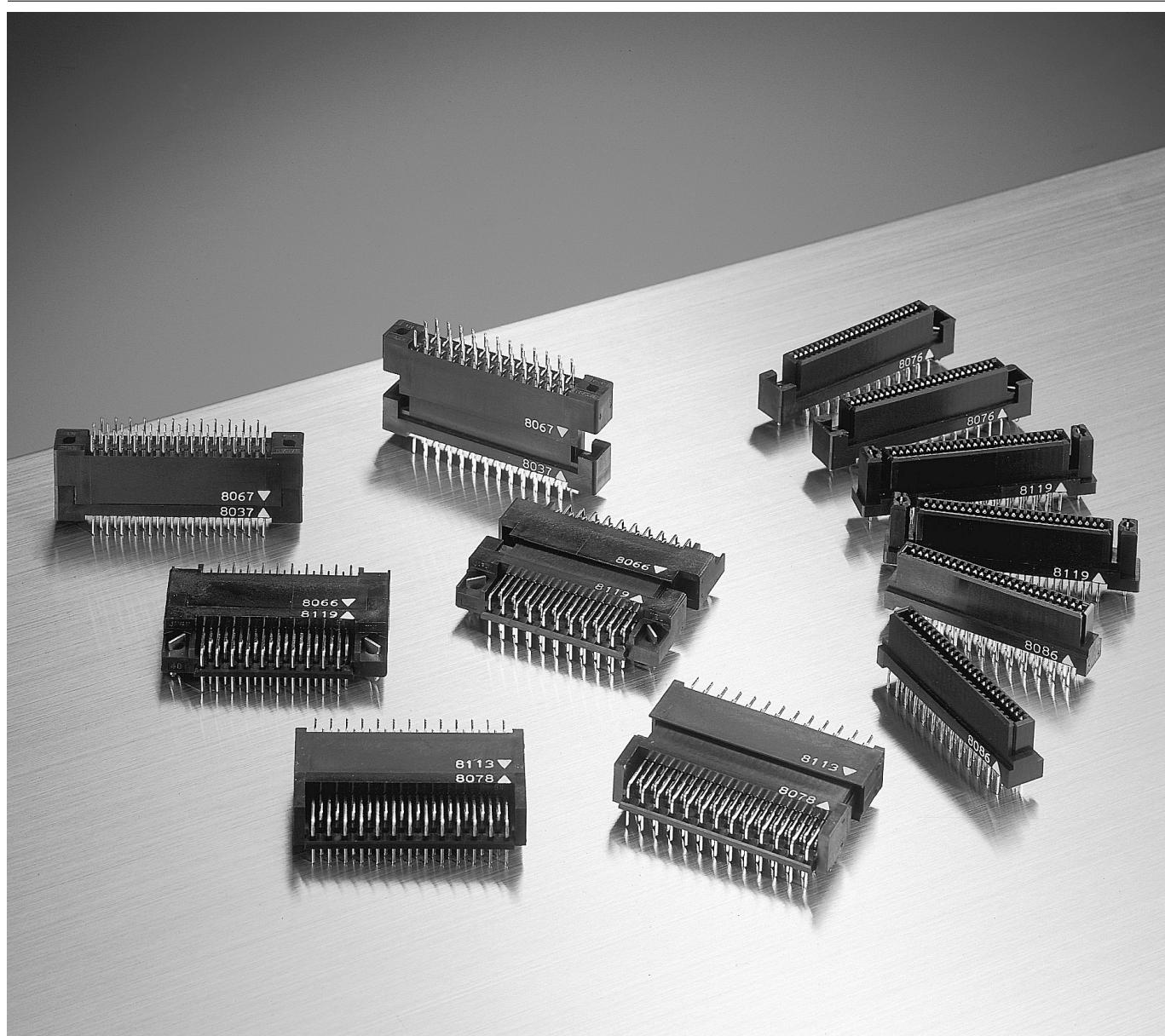
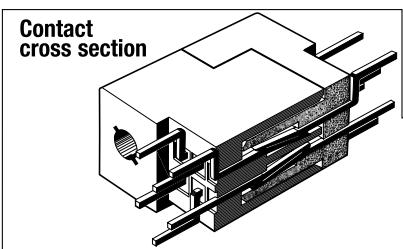


**50mil(1.27mm) PITCH 2 PIECE CONNECTOR
Hi-PACKEL**

8800 SERIES

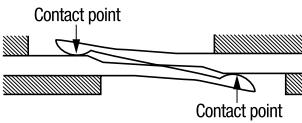


The New Symbol of the High Density Mating Age



Contacts with 2 mating points straight-beam construction (Patented)

The KEL patented Hi-PACKEL™ contact design features 2 mating points and straight-beam construction, which offers low insertion force and high reliability.



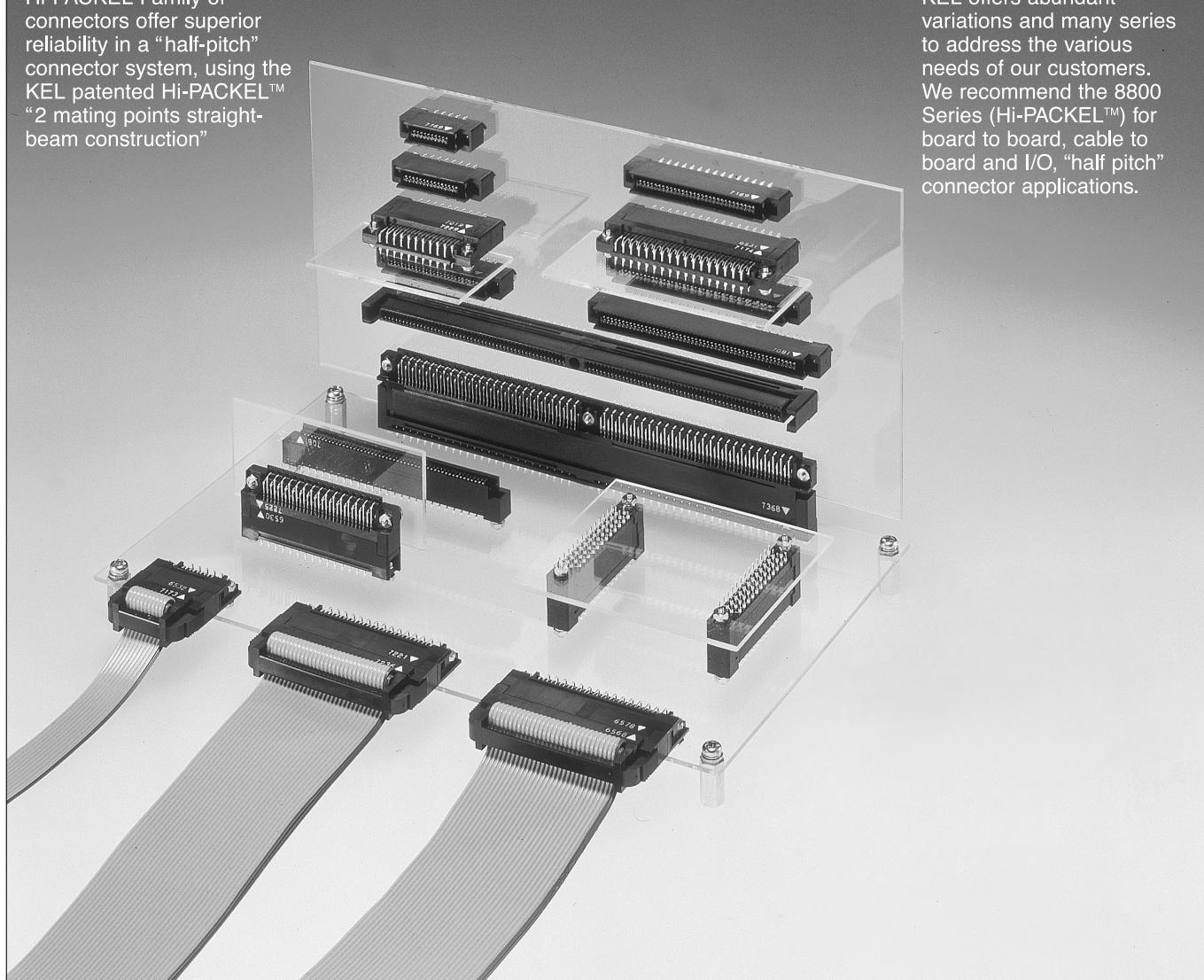
This ingenious design creates a long wiping action for both contacts upon insertion, 2 separate contact points for excellent continuity and straight-beam construction resulting in excellent reliability.

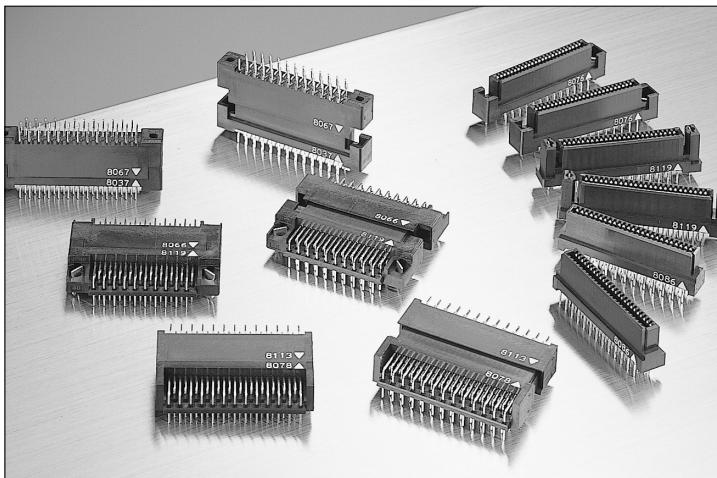
■ Variation (KEL offers 4 configurations to address varying design needs)

With flanges (Without hooks) 8800 / 8810 series	With flanges (With hooks) 8801 / 8811 series	Without flanges 8802 / 8812 series	With power contacts 8803 / 8813 series
<ul style="list-style-type: none"> Flanges (without hooks) has holes for screw mounting. 	<ul style="list-style-type: none"> Flanges (with hooks) prevents the connector from "floating" during the dip solder process. 	<ul style="list-style-type: none"> Without flanges to save space. 	<ul style="list-style-type: none"> With power contacts in cases where it is desired that power and signals be separated.

Hi-PACKEL Family of connectors offer superior reliability in a "half-pitch" connector system, using the KEL patented Hi-PACKEL™ "2 mating points straight-beam construction"

KEL offers abundant variations and many series to address the various needs of our customers. We recommend the 8800 Series (Hi-PACKEL™) for board to board, cable to board and I/O, "half pitch" connector applications.





FEATURES

- Patented Hi-PACKEL™ contact design features
2 mating points per connection
- Low insertion and withdrawal force
- Plug and Receptacle contacts share common tooling
which means increased productivity and greater product diversity
- Insulator designed to prevent mis-insertion and protect the contacts from damage
- Power (Ground) contacts are first mate and last break
- RoHS compliance

SPECIFICATIONS

- Insulator : Glass-filled Nylon 66 (UL 94V-0), Black
- Contact : Phosphor Bronze
- Plating : [Signal contact]
Contact area ; Gold over Nickel
(1) Standard : 0.05 μ m min. Gold
(2) Upon request : 0.25 μ m min. Gold
[Terminal area ; Tin copper over Nickel
[Power contact] (8803/8813 series) ;Gold over Nickel
(1) Standard : 0.05 μ m min. Gold
(2) Upon request : 0.25 μ m min. Gold
- Current rating : Signal contact ; 0.5A per contact
Power contact (8803/8813 Series) ; 2A per contact
- Contact resistance : 25m Ω max.
- Withstanding voltage : 650V AC for 1 minute
- Insulation resistance : 1,000M Ω min. at 500V DC
- Operating temperature : -55°C to +85°C
- Insulation force (Typical example) :
1.9kg max. / 20 pin, 3.8kg max. / 40 pin
5.7kg max. / 60 pin, 9.5kg max. / 100pin
- Withdrawal force (Typical example) :
0.3kg min. / 20 pin, 0.8kg min. / 40 pin
1.2kg min. / 60 pin, 2.0kg min. / 100 pin

ORDER CODE

88 **-170** **-F**

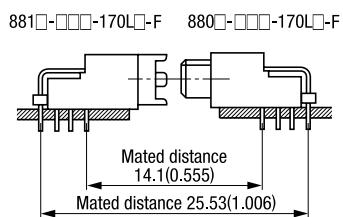
- F : RoHS Compliance
- Plating of contact area
Omit : Au 0.05 μ m (Standard)
D : Au 0.25 μ m
- Contact tail style
L : Right angle
S : Straight
- Contact name
170
- Number of contacts
020 : 20 pin 026 : 26 pin
030 : 30 pin 032 : 32 pin
034 : 34 pin 040 : 40 pin
050 : 50 pin 052 : 52 pin
060 : 60 pin 068 : 68 pin
080 : 80 pin 100 : 100 pin
- Series name
● Receptacle
8800 : With flanges and without hooks
8801 : With flanges and hooks
8802 : Without flanges
8803 : With power contacts
- Plug
8810 : With flanges and without hooks
8811 : With flanges and hooks
8812 : Without flanges
8813 : With power contacts

MATING VARIATIONS

Unit:mm(inch)

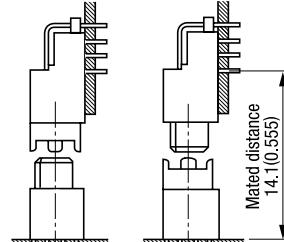
Horizontal, Vertical and Stacked mating options available as illustrated.

Horizontal Mating

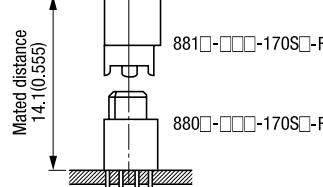


Vertical Mating

8810-□□□-170L□-F 8800-□□□-170L□-F



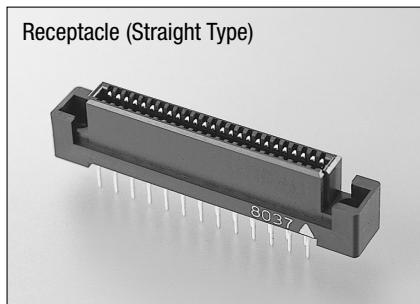
Stacked Mating





8800 SERIES
1.27mm PITCH 2 PIECE CONNECTOR / Hi-PACKEL™

8800-□□□-170S□-F (Receptacle, With Flanges) / 8801-□□□-170S□-F (Receptacle, With hooks)

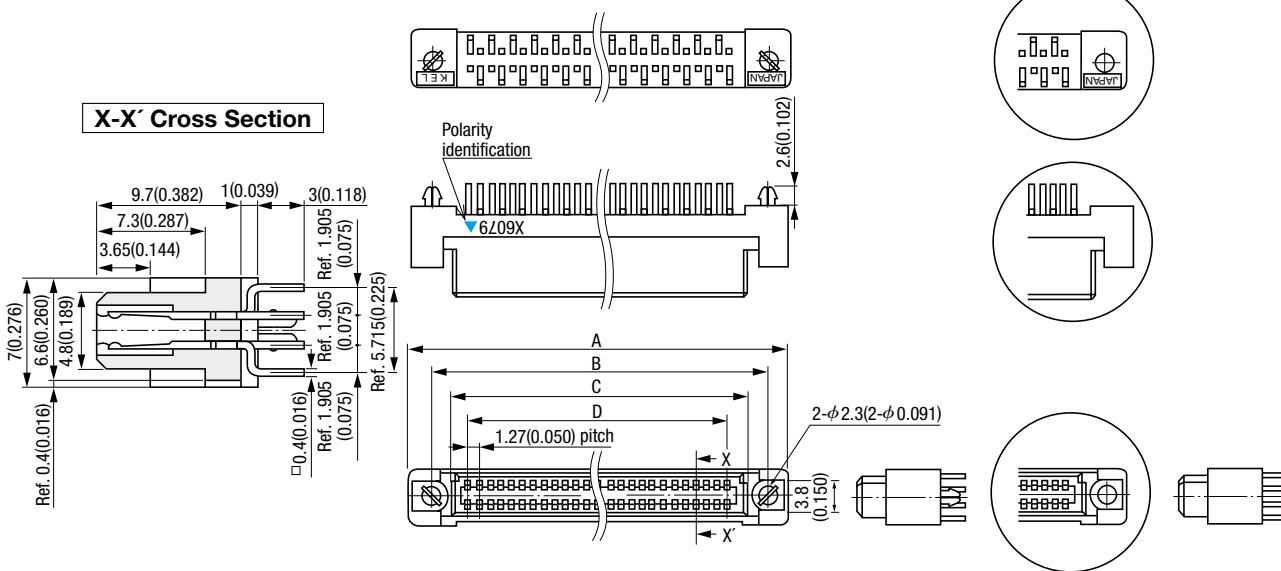


Unit:mm(inch)

8801-□□□-170S□-F

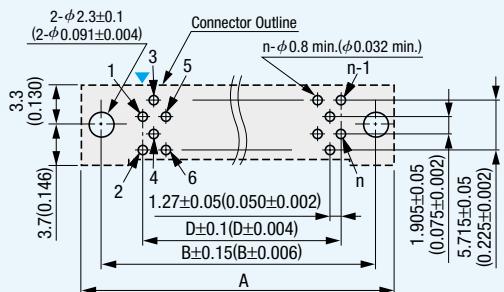
8800-□□□-170S□-F

X-X' Cross Section

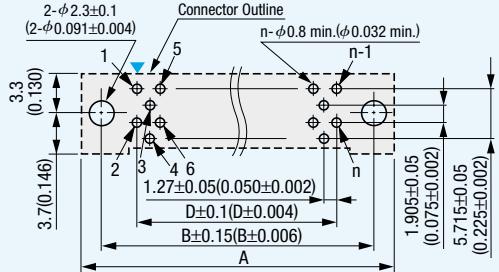


**Printed Circuit Board Layout
(Component Side View)**

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



▼=Polarity identification

Recommended PCB Thickness t=1.6±0.19(0.063±0.007)

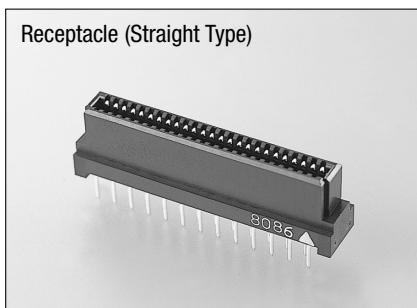
"n" is number of contacts.

■ Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8800-020-170S□-F 8801-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.608)	11.43 (0.450)	20
26	8800-026-170S□-F 8801-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.758)	15.24 (0.600)	17
30	8800-030-170S□-F 8801-030-170S□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.858)	17.78 (0.700)	16
32	8800-032-170S□-F 8801-032-170S□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.908)	19.05 (0.750)	15
34	8800-034-170S□-F 8801-034-170S□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.958)	20.32 (0.800)	14
40	8800-040-170S□-F 8801-040-170S□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.108)	24.13 (0.950)	13
50	8800-050-170S□-F 8801-050-170S□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.358)	30.48 (1.200)	11
52	8800-052-170S□-F 8801-052-170S□-F	45.75 (1.801)	40.64 (1.600)	35.75 (1.408)	31.75 (1.250)	11
60	8800-060-170S□-F 8801-060-170S□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.608)	36.83 (1.450)	10
68	8800-068-170S□-F 8801-068-170S□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.808)	41.91 (1.650)	9
80	8800-080-170S□-F 8801-080-170S□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.108)	49.53 (1.950)	8
100	8800-100-170S□-F 8801-100-170S□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.608)	62.23 (2.450)	6

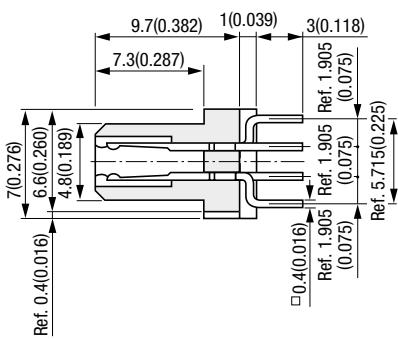
Packaging style
Pipe

8802-□□□-170S□-F (Receptacle, Without Flanges)

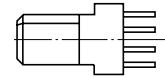
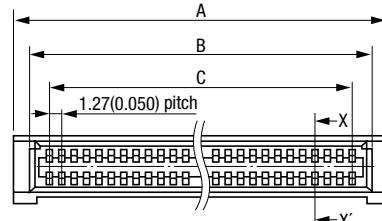
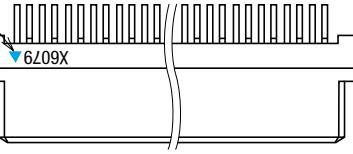


Unit:mm(inch)

X-X' Cross Section

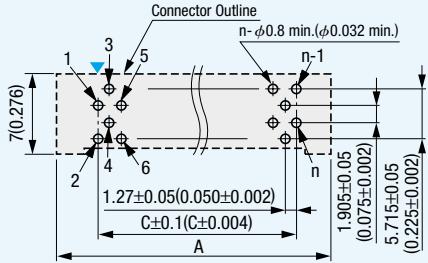


Polarity identification

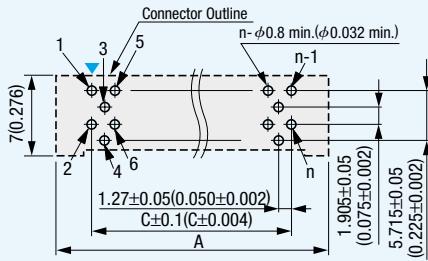


Printed Circuit Board Layout (Component Side View)

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



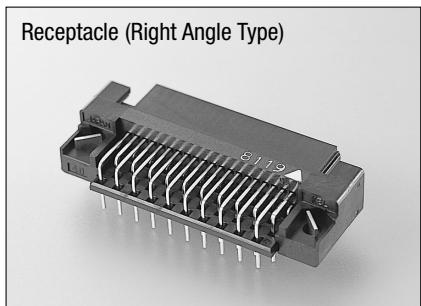
▼=Polarity identification

Recommended PCB Thickness $t=1.6\pm 0.19(0.063\pm 0.007)$
 "n" is number of contacts.

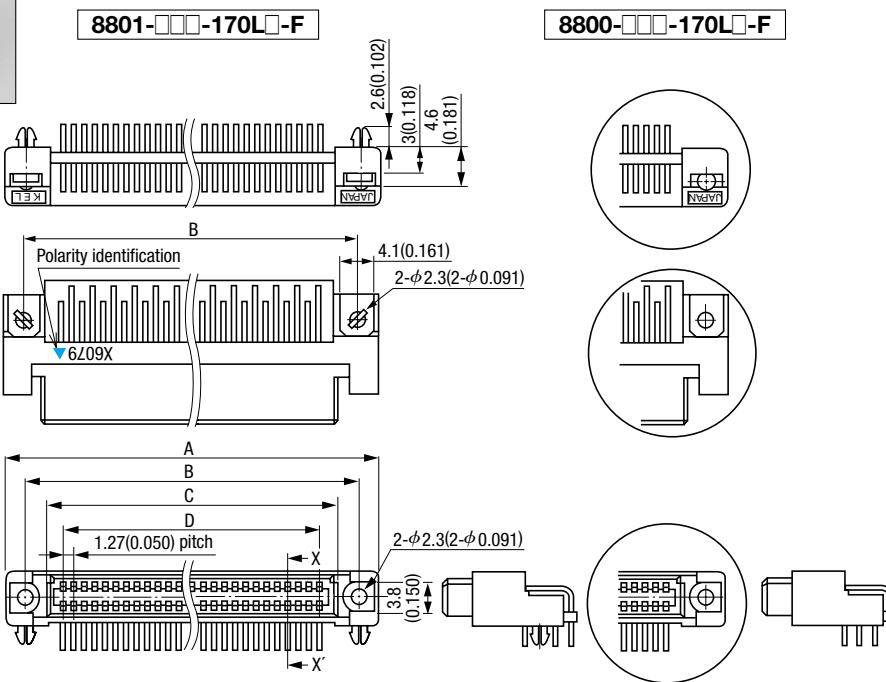
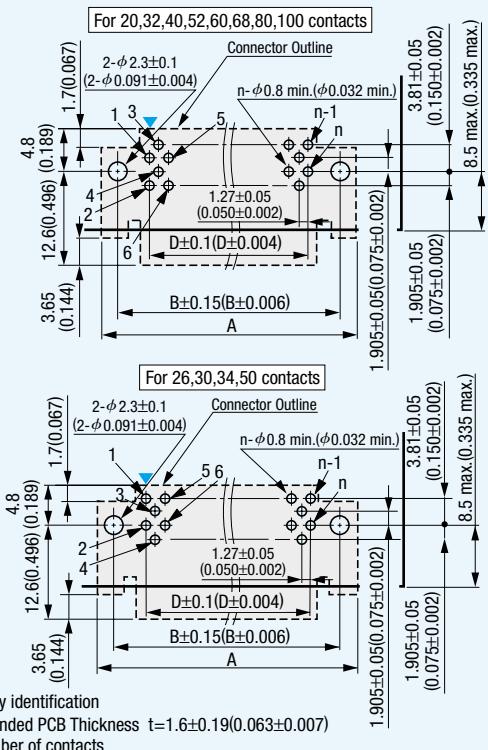
■ Product Table / Dimensions

Product Table / Dimensions					
No. of contacts	Part Number	A	B	C	Number of packaging
20	8802-020-170S□-F	17.83 (0.702)	15.43 (0.608)	11.43 (0.450)	28
26	8802-026-170S□-F	21.64 (0.852)	19.24 (0.758)	15.24 (0.600)	23
30	8802-030-170S□-F	24.18 (0.952)	21.78 (0.858)	17.78 (0.700)	21
32	8802-032-170S□-F	25.45 (1.002)	23.05 (0.908)	19.05 (0.750)	20
34	8802-034-170S□-F	26.72 (1.052)	24.32 (0.958)	20.32 (0.800)	19
40	8802-040-170S□-F	30.53 (1.202)	28.13 (1.108)	24.13 (0.950)	16
50	8802-050-170S□-F	36.88 (1.452)	34.48 (1.358)	30.48 (1.200)	13
52	8802-052-170S□-F	38.15 (1.502)	35.75 (1.408)	31.75 (1.250)	13
60	8802-060-170S□-F	43.23 (1.702)	40.83 (1.608)	36.83 (1.450)	11
68	8802-068-170S□-F	48.31 (1.902)	45.91 (1.808)	41.91 (1.650)	10
80	8802-080-170S□-F	55.93 (2.202)	53.53 (2.108)	49.53 (1.950)	9
100	8802-100-170S□-F	68.63 (2.702)	66.23 (2.608)	62.23 (2.450)	7

8800-□□□-170L□-F (Receptacle, With Flanges) / 8801-□□□-170L□-F (Receptacle, With hooks)



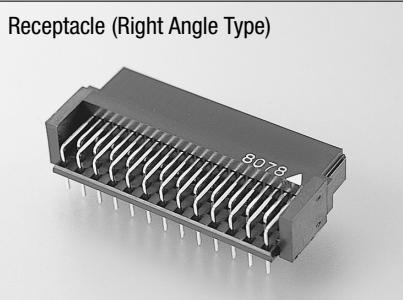
Unit:mm(inch)

Printed Circuit Board Layout
(Component Side View)

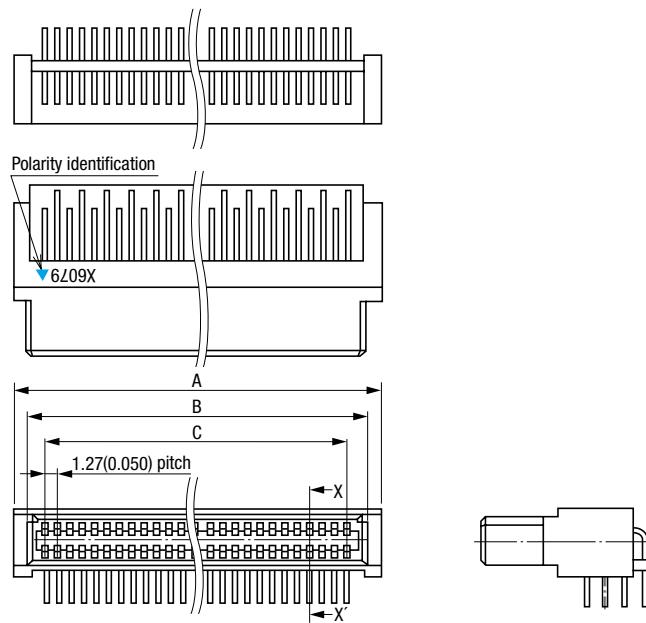
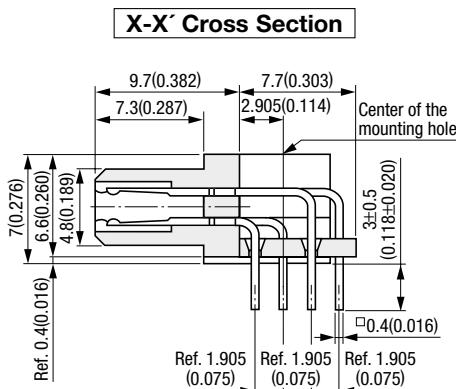
■ Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8800-020-170L□-F 8801-020-170L□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.608)	11.43 (0.450)	20
26	8800-026-170L□-F 8801-026-170L□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.758)	15.24 (0.600)	17
30	8800-030-170L□-F 8801-030-170L□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.858)	17.78 (0.700)	16
32	8800-032-170L□-F 8801-032-170L□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.908)	19.05 (0.750)	15
34	8800-034-170L□-F 8801-034-170L□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.958)	20.32 (0.800)	14
40	8800-040-170L□-F 8801-040-170L□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.108)	24.13 (0.950)	13
50	8800-050-170L□-F 8801-050-170L□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.358)	30.48 (1.200)	11
52	8800-052-170L□-F 8801-052-170L□-F	45.75 (1.801)	40.64 (1.600)	35.75 (1.408)	31.75 (1.250)	11
60	8800-060-170L□-F 8801-060-170L□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.608)	36.83 (1.450)	10
68	8800-068-170L□-F 8801-068-170L□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.808)	41.91 (1.650)	9
80	8800-080-170L□-F 8801-080-170L□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.108)	49.53 (1.950)	8
100	8800-100-170L□-F 8801-100-170L□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.608)	62.23 (2.450)	6

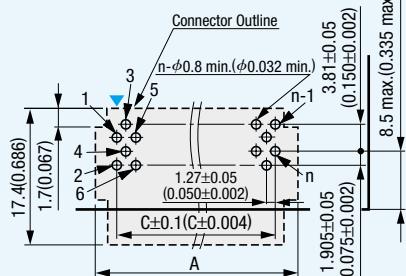
Packaging style
Pipe

8802-□□□-170L□-F (Receptacle, Without Flanges)

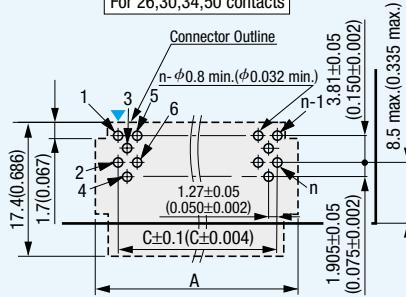
Unit:mm(inch)

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

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



▼=Polarity identification

Recommended PCB Thickness t=1.6±0.19(0.063±0.007)

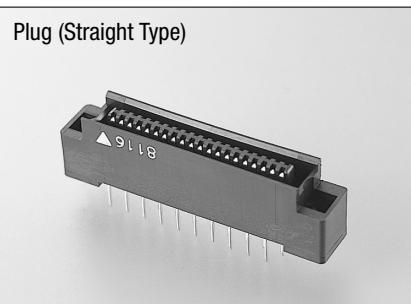
"n" is number of contacts.

Packaging style	
Pipe	

■Product Table / Dimensions

No.of contacts	Part Number	A	B	C	Number of packaging
20	8802-020-170L□-F	17.83 (0.702)	15.43 (0.608)	11.43 (0.450)	28
26	8802-026-170L□-F	21.64 (0.852)	19.24 (0.758)	15.24 (0.600)	23
30	8802-030-170L□-F	24.18 (0.952)	21.78 (0.858)	17.78 (0.700)	21
32	8802-032-170L□-F	25.45 (1.002)	23.05 (0.908)	19.05 (0.750)	20
34	8802-034-170L□-F	26.72 (1.052)	24.32 (0.958)	20.32 (0.800)	19
40	8802-040-170L□-F	30.53 (1.202)	28.13 (1.108)	24.13 (0.950)	16
50	8802-050-170L□-F	36.88 (1.452)	34.48 (1.358)	30.48 (1.200)	13
52	8802-052-170L□-F	38.15 (1.502)	35.75 (1.408)	31.75 (1.250)	13
60	8802-060-170L□-F	43.23 (1.702)	40.83 (1.608)	36.83 (1.450)	11
68	8802-068-170L□-F	48.31 (1.902)	45.91 (1.808)	41.91 (1.650)	10
80	8802-080-170L□-F	55.93 (2.202)	53.53 (2.108)	49.53 (1.950)	9
100	8802-100-170L□-F	68.63 (2.702)	66.23 (2.608)	62.23 (2.450)	7

8810-□□□-170S□-F (Plug, With Flanges) / 8811-□□□-170S□-F (Plug, With hooks)

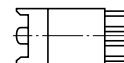
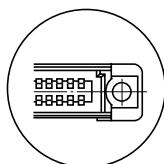
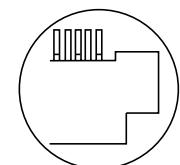
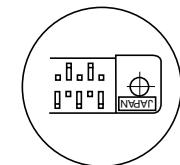
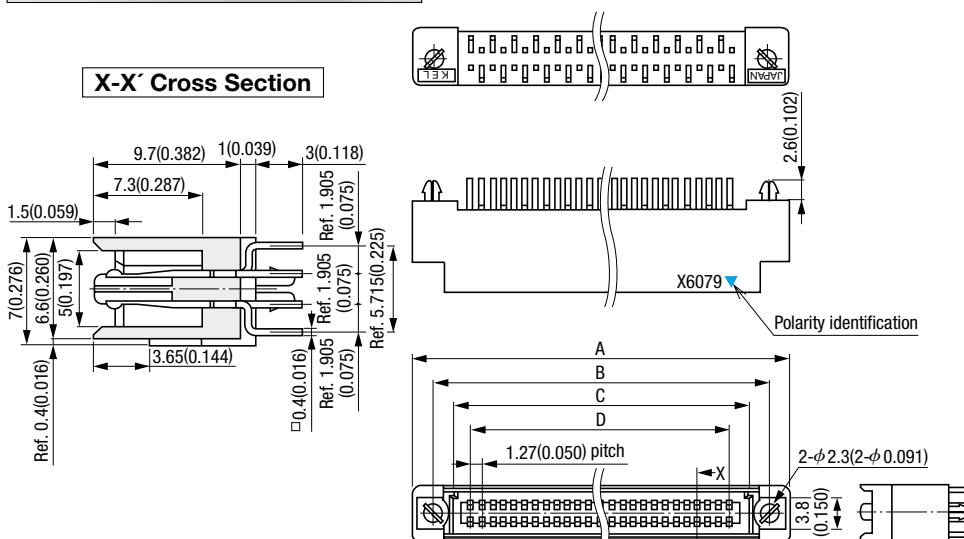


Unit:mm(inch)

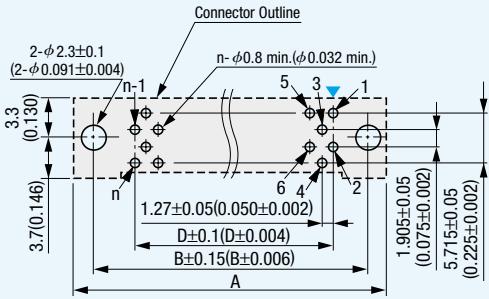
8811-□□□-170S□-F

8810-□□□-170S□-F

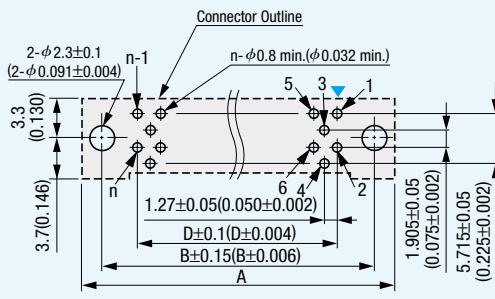
X-X' Cross Section

Printed Circuit Board Layout
(Component Side View)

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



▼=Polarity identification

Recommended PCB Thickness t=1.6±0.19(0.063±0.007)

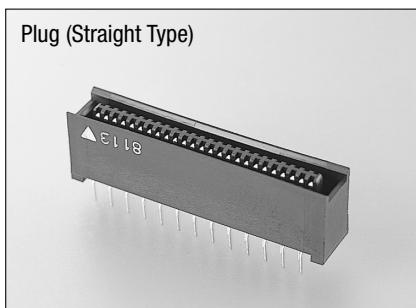
"n" is number of contacts.

Packaging style
Pipe

■ Product Table / Dimensions

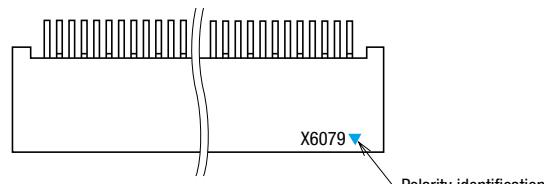
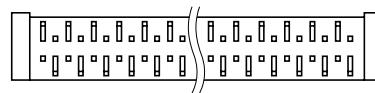
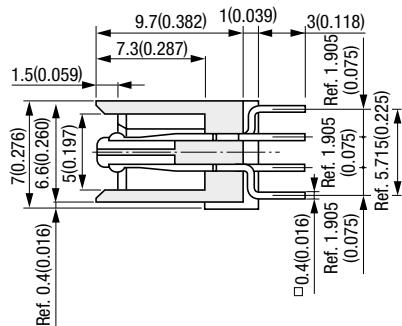
No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8810-020-170S□-F 8811-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20
26	8810-026-170S□-F 8811-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17
30	8810-030-170S□-F 8811-030-170S□-F	31.78 (1.251)	26.67 (1.050)	22.18 (0.873)	17.78 (0.700)	16
32	8810-032-170S□-F 8811-032-170S□-F	33.05 (1.301)	27.94 (1.100)	23.45 (0.923)	19.05 (0.750)	15
34	8810-034-170S□-F 8811-034-170S□-F	34.32 (1.351)	29.21 (1.150)	24.72 (0.973)	20.32 (0.800)	14
40	8810-040-170S□-F 8811-040-170S□-F	38.13 (1.501)	33.02 (1.300)	28.53 (1.123)	24.13 (0.950)	13
50	8810-050-170S□-F 8811-050-170S□-F	44.48 (1.751)	39.37 (1.550)	34.88 (1.373)	30.48 (1.200)	11
52	8810-052-170S□-F 8811-052-170S□-F	45.75 (1.801)	40.64 (1.600)	36.15 (1.423)	31.75 (1.250)	11
60	8810-060-170S□-F 8811-060-170S□-F	50.83 (2.001)	45.72 (1.800)	41.23 (1.623)	36.83 (1.450)	10
68	8810-068-170S□-F 8811-068-170S□-F	55.91 (2.201)	50.80 (2.000)	46.31 (1.823)	41.91 (1.650)	9
80	8810-080-170S□-F 8811-080-170S□-F	63.53 (2.501)	58.42 (2.300)	53.93 (2.123)	49.53 (1.950)	8
100	8810-100-170S□-F 8811-100-170S□-F	76.23 (3.001)	71.12 (2.800)	66.63 (2.623)	62.23 (2.450)	6

8812-□□□-170S□-F (Plug, Without Flanges)

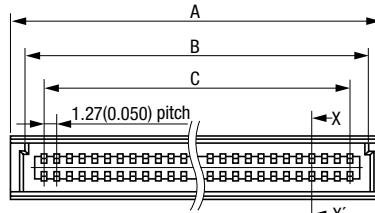


Unit:mm(inch)

X-X' Cross Section

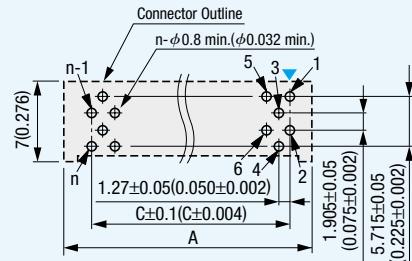


Polarity identification

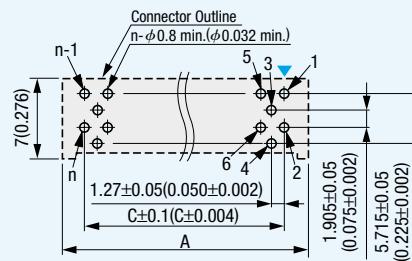


Printed Circuit Board Layout (Component Side View)

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



▼=Polarity identification

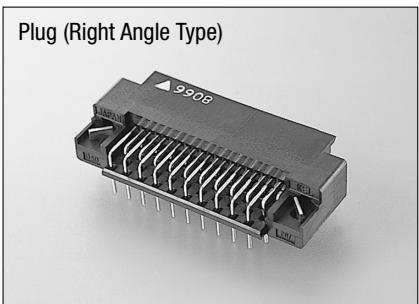
Recommended PCB Thickness $t=1.6\pm0.19(0.063\pm0.007)$

"n" is number of contacts.

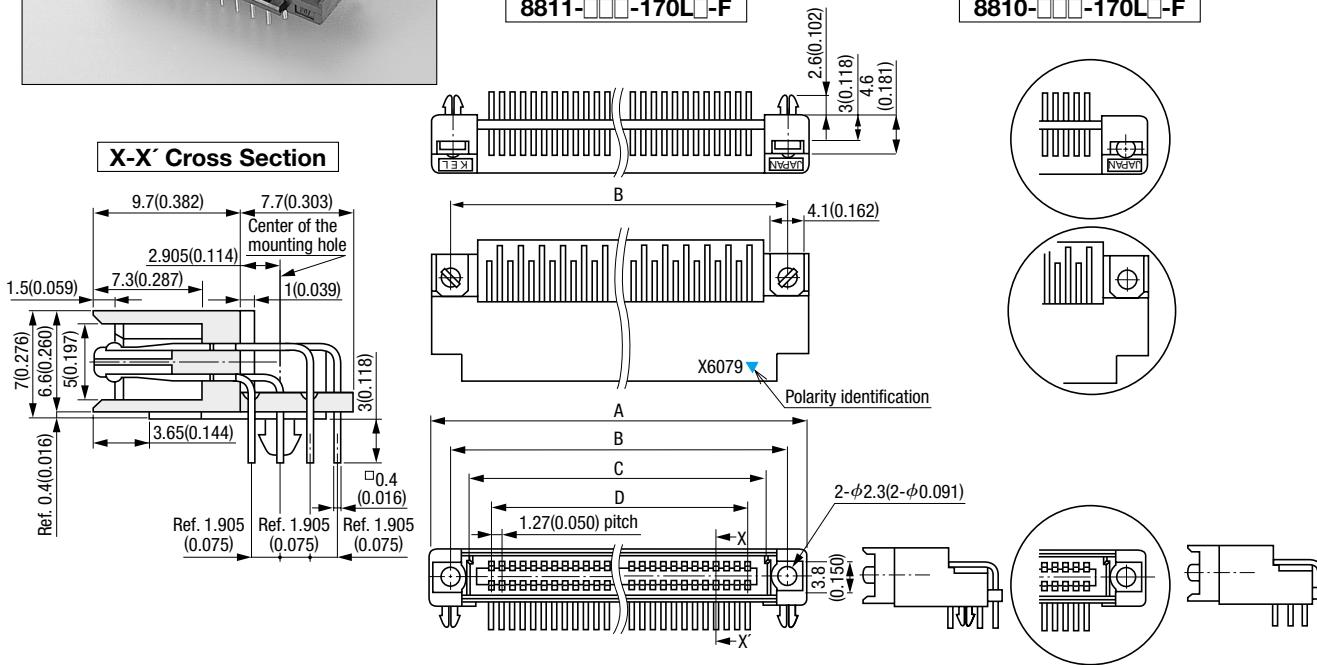
■ Product Table / Dimensions

Product Table / Dimensions					
No. of contacts	Part Number	A	B	C	Number of packaging
20	8812-020-170S□-F	17.83 (0.702)	15.83 (0.623)	11.43 (0.450)	28
26	8812-026-170S□-F	21.64 (0.852)	19.64 (0.773)	15.24 (0.600)	23
30	8812-030-170S□-F	24.18 (0.952)	22.18 (0.873)	17.78 (0.700)	21
32	8812-032-170S□-F	25.45 (1.002)	23.45 (0.923)	19.05 (0.750)	20
34	8812-034-170S□-F	26.72 (1.052)	24.72 (0.973)	20.32 (0.800)	19
40	8812-040-170S□-F	30.53 (1.202)	28.53 (1.123)	24.13 (0.950)	16
50	8812-050-170S□-F	36.88 (1.452)	34.88 (1.373)	30.48 (1.200)	13
52	8812-052-170S□-F	38.15 (1.502)	36.15 (1.423)	31.75 (1.250)	13
60	8812-060-170S□-F	43.23 (1.702)	41.23 (1.623)	36.83 (1.450)	11
68	8812-068-170S□-F	48.31 (1.902)	46.31 (1.823)	41.91 (1.650)	10
80	8812-080-170S□-F	55.93 (2.202)	53.93 (2.123)	49.53 (1.950)	9
100	8812-100-170S□-F	68.63 (2.702)	66.63 (2.623)	62.23 (2.450)	7

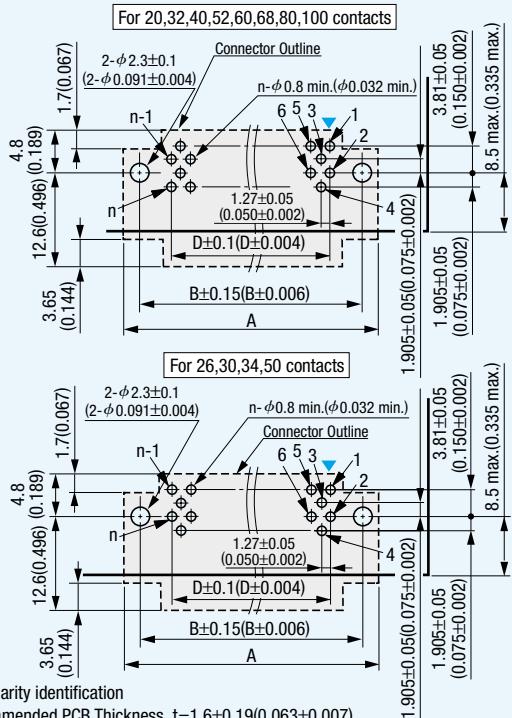
8810-□□□-170L□-F (Plug, With Flanges) / 8811-□□□-170L□-F (Plug, With hooks)



Unit:mm(inch)



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

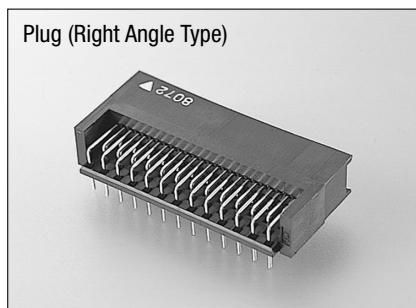


■ Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8810-020-170L□-F 8811-020-170L□-F	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20
26	8810-026-170L□-F 8811-026-170L□-F	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17
30	8810-030-170L□-F 8811-030-170L□-F	31.78 (1.251)	26.67 (1.050)	22.18 (0.873)	17.78 (0.700)	16
32	8810-032-170L□-F 8811-032-170L□-F	33.05 (1.301)	27.94 (1.100)	23.45 (0.923)	19.05 (0.750)	15
34	8810-034-170L□-F 8811-034-170L□-F	34.32 (1.351)	29.21 (1.150)	24.72 (0.973)	20.32 (0.800)	14
40	8810-040-170L□-F 8811-040-170L□-F	38.13 (1.501)	33.02 (1.300)	28.53 (1.123)	24.13 (0.950)	13
50	8810-050-170L□-F 8811-050-170L□-F	44.48 (1.751)	39.37 (1.550)	34.88 (1.373)	30.48 (1.200)	11
52	8810-052-170L□-F 8811-052-170L□-F	45.75 (1.801)	40.64 (1.600)	36.15 (1.423)	31.75 (1.250)	11
60	8810-060-170L□-F 8811-060-170L□-F	50.83 (2.001)	45.72 (1.800)	41.23 (1.623)	36.83 (1.430)	10
68	8810-068-170L□-F 8811-068-170L□-F	55.91 (2.201)	50.80 (2.000)	46.31 (1.823)	41.91 (1.650)	9
80	8810-080-170L□-F 8811-080-170L□-F	63.53 (2.501)	58.42 (2.300)	53.93 (2.123)	49.53 (1.950)	8
100	8810-100-170L□-F 8811-100-170L□-F	76.23 (3.001)	71.12 (2.800)	66.63 (2.623)	62.23 (2.450)	6

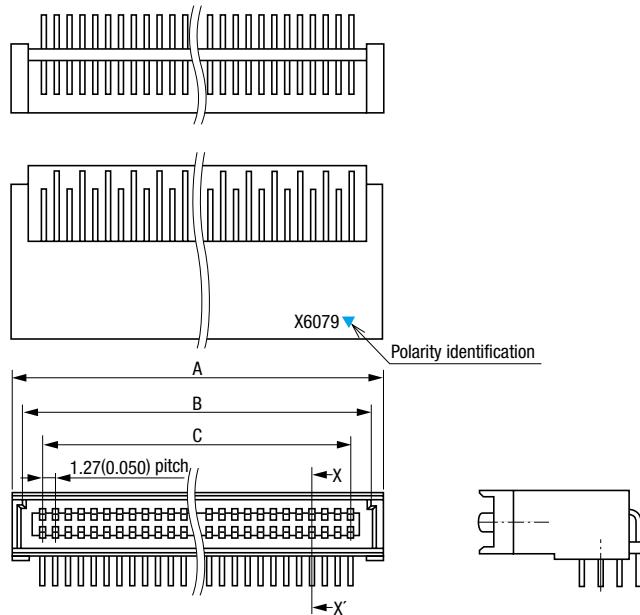
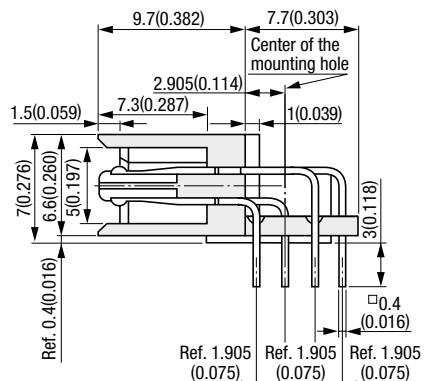
Packaging style
Pipe

8812-□□□-170L□-F (Plug, Without Flanges)



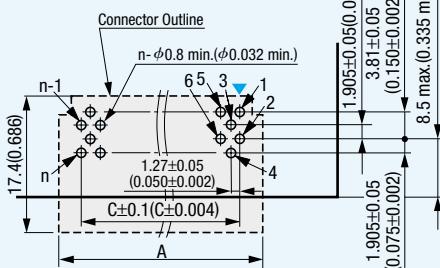
Unit:mm(inch)

X-X' Cross Section

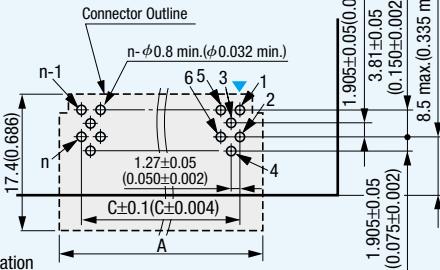


Printed Circuit Board Layout (Component Side View)

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts

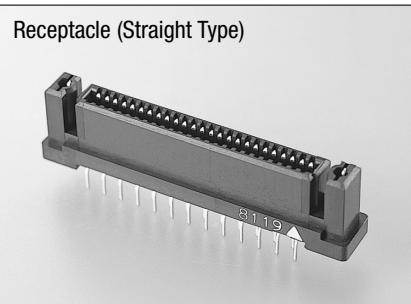


▼=Polarity identification A
 Recommended PCB Thickness t=1.6±0.19(0.063±0.007)
 "n" is number of contacts.

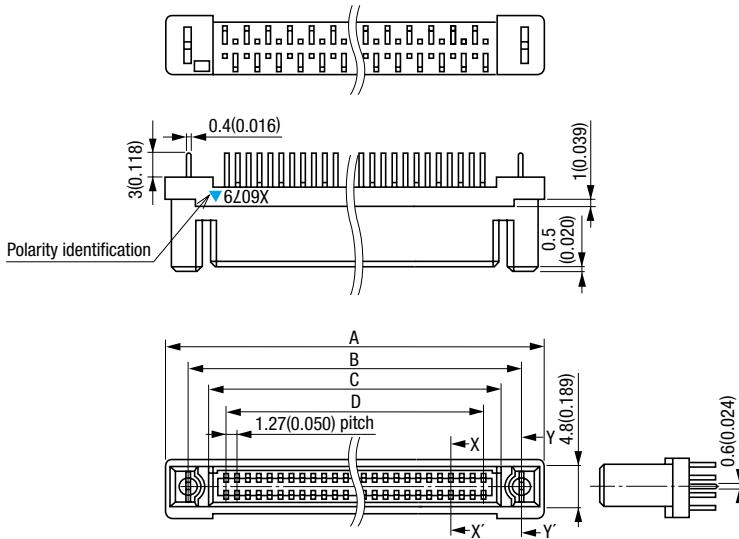
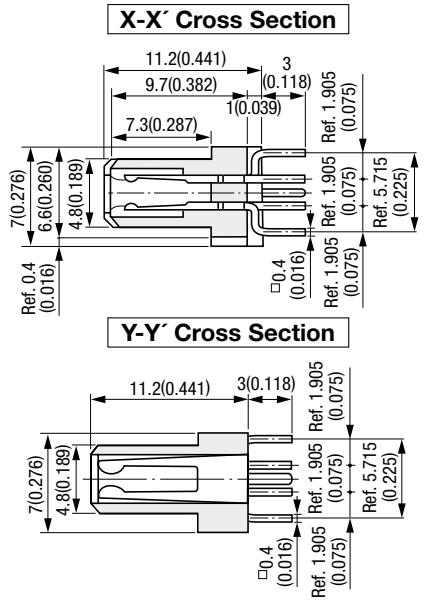
■ Product Table / Dimensions

Product Table / Dimensions					
No. of contacts	Part Number	A	B	C	Number of packaging
20	8812-020-170L□-F	17.83 (0.702)	15.83 (0.623)	11.43 (0.450)	28
26	8812-026-170L□-F	21.64 (0.852)	19.64 (0.773)	15.24 (0.600)	23
30	8812-030-170L□-F	24.18 (0.952)	22.18 (0.873)	17.78 (0.700)	21
32	8812-032-170L□-F	25.45 (1.002)	23.45 (0.923)	19.05 (0.750)	20
34	8812-034-170L□-F	26.72 (1.052)	24.72 (0.973)	20.32 (0.800)	19
40	8812-040-170L□-F	30.53 (1.202)	28.53 (1.123)	24.13 (0.950)	16
50	8812-050-170L□-F	36.88 (1.452)	34.88 (1.373)	30.48 (1.200)	13
52	8812-052-170L□-F	38.15 (1.502)	36.15 (1.423)	31.75 (1.250)	13
60	8812-060-170L□-F	43.23 (1.702)	41.23 (1.623)	36.83 (1.450)	11
68	8812-068-170L□-F	48.31 (1.902)	46.31 (1.823)	41.91 (1.650)	10
80	8812-080-170L□-F	55.93 (2.202)	53.93 (2.123)	49.53 (1.950)	9
100	8812-100-170L□-F	68.63 (2.702)	66.63 (2.623)	62.23 (2.450)	7

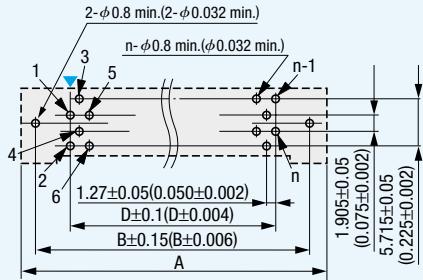
8803-□□□-170S□-F (Receptacle, With power contacts)



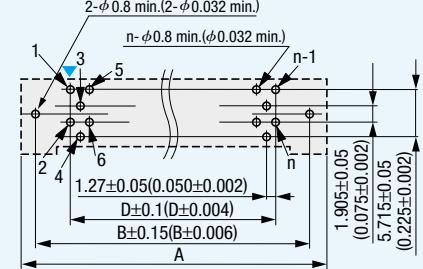
Unit:mm(inch)

Printed Circuit Board Layout
(Component Side View)

For 20,32,40,52,60,68,80,100 contacts



For 26,30,34,50 contacts



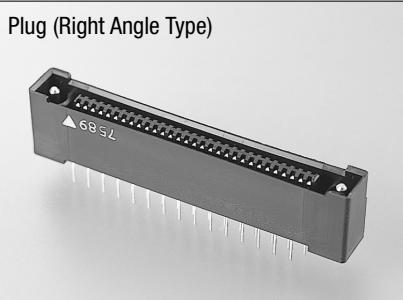
▼=Polarity identification

Recommended PCB Thickness t=1.6±0.19(0.063±0.007)
"n" is number of contacts.

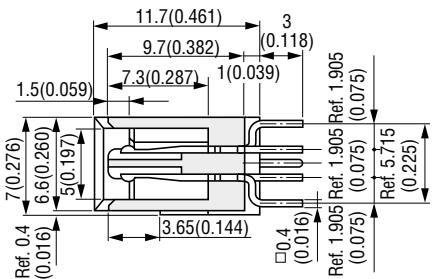
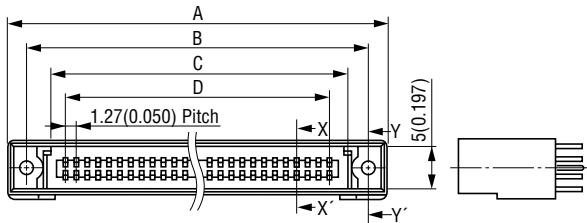
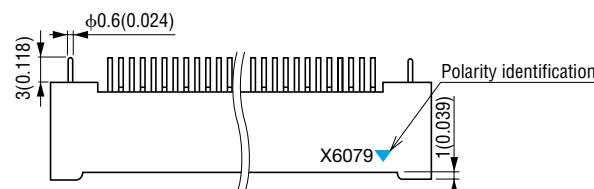
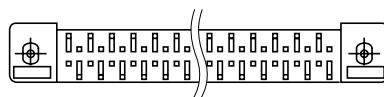
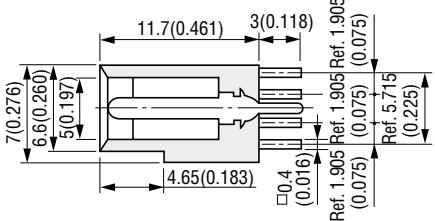
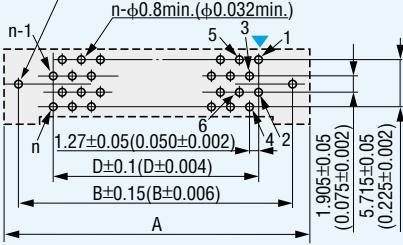
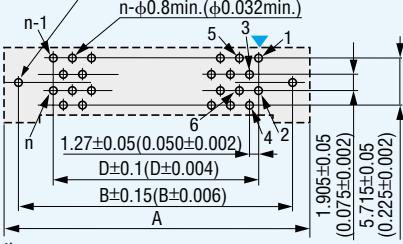
Packaging style
Pipe

■Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8803-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.607)	11.43 (0.450)	20
26	8803-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.757)	15.24 (0.600)	17
30	8803-030-170S□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.857)	17.78 (0.700)	16
32	8803-032-170S□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.907)	19.05 (0.750)	15
34	8803-034-170S□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.957)	20.32 (0.800)	14
40	8803-040-170S□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.107)	24.13 (0.950)	13
50	8803-050-170S□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.357)	30.48 (1.200)	11
52	8803-052-170S□-F	45.75 (1.801)	40.64 (1.593)	35.75 (1.407)	31.75 (1.250)	11
60	8803-060-170S□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.607)	36.83 (1.450)	10
68	8803-068-170S□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.807)	41.91 (1.650)	9
80	8803-080-170S□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.107)	49.53 (1.950)	8
100	8803-100-170S□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.607)	62.23 (2.450)	6

8813-□□□-170S□-F (Plug, With power contacts)

Unit:mm(inch)

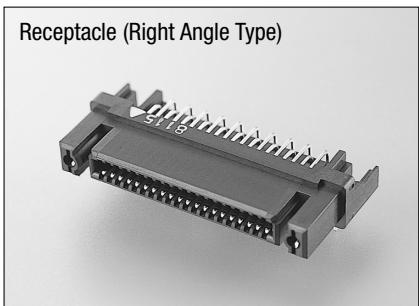
X-X' Cross Section**Y-Y' Cross Section****Printed Circuit Board Layout
(Component Side View)**For 20,32,40,52,60,68,80,100 contacts
2-φ0.8min.(2-φ0.032min.)For 26,30,34,50 contacts
2-φ0.8min.(2-φ0.032min.)

▼=Polarity identification

Recommended PCB Thickness t=1.6±0.19(0.063±0.007)
"n" is number of contacts.**■ Product Table / Dimensions**

No.of contacts	Part Number	A	B	C	D	Packaging style	Number of packaging
20	8813-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20	
26	8813-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17	
30	8813-030-170S□-F	31.78 (1.251)	26.67 (1.050)	22.18 (0.873)	17.78 (0.700)	16	
32	8813-032-170S□-F	33.05 (1.301)	27.94 (1.100)	23.45 (0.923)	19.05 (0.750)	15	
34	8813-034-170S□-F	34.32 (1.351)	29.21 (1.150)	24.72 (0.973)	20.32 (0.800)	14	
40	8813-040-170S□-F	38.13 (1.501)	33.02 (1.300)	28.53 (1.123)	24.13 (0.950)	13	
50	8813-050-170S□-F	44.48 (1.751)	39.37 (1.550)	34.88 (1.373)	30.48 (1.200)	11	
52	8813-052-170S□-F	45.75 (1.801)	40.64 (1.593)	36.15 (1.423)	31.75 (1.250)	11	
60	8813-060-170S□-F	50.83 (2.001)	45.72 (1.800)	41.23 (1.623)	36.83 (1.450)	10	
68	8813-068-170S□-F	55.91 (2.201)	50.80 (2.000)	46.31 (1.823)	41.91 (1.650)	9	
80	8813-080-170S□-F	63.53 (2.501)	58.42 (2.300)	53.93 (2.123)	49.53 (1.950)	8	
100	8813-100-170S□-F	76.23 (3.001)	71.12 (2.800)	66.63 (2.623)	62.23 (2.450)	6	

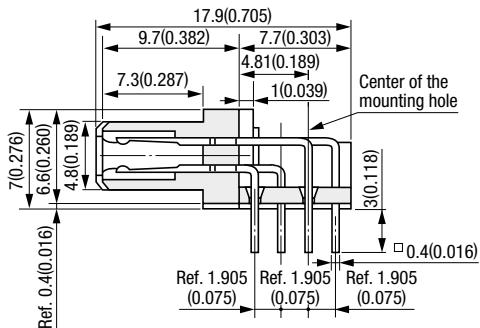
8803-□□□-170L□-F (Receptacle, With power contacts)



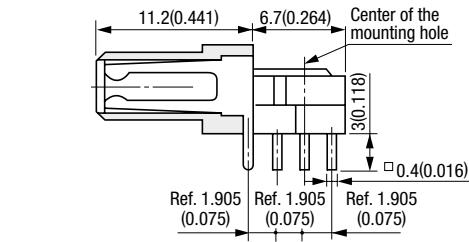
Unit:mm(inch)

Receptacle (Right Angle Type)

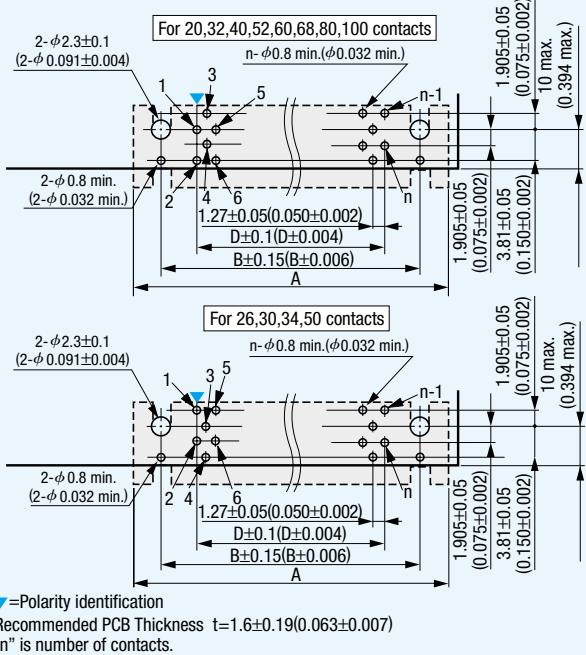
X-X' Cross Section



Y-Y' Cross Section



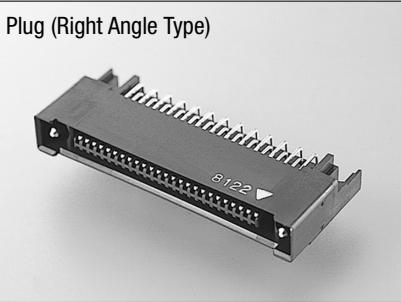
Printed Circuit Board Layout (Component Side View)



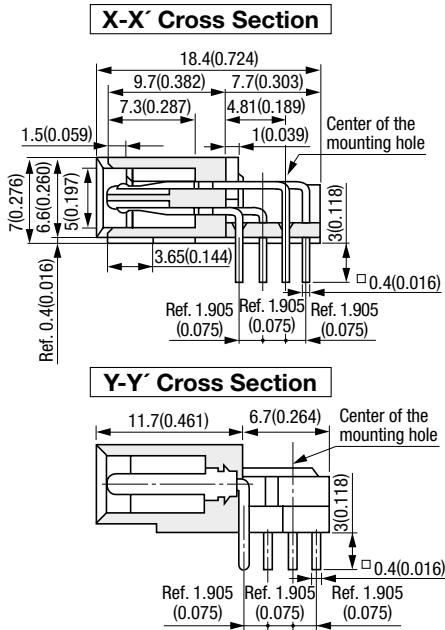
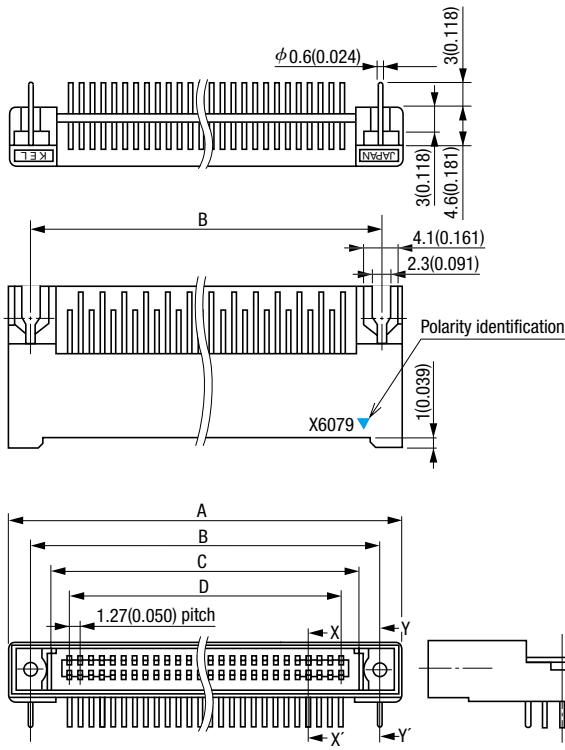
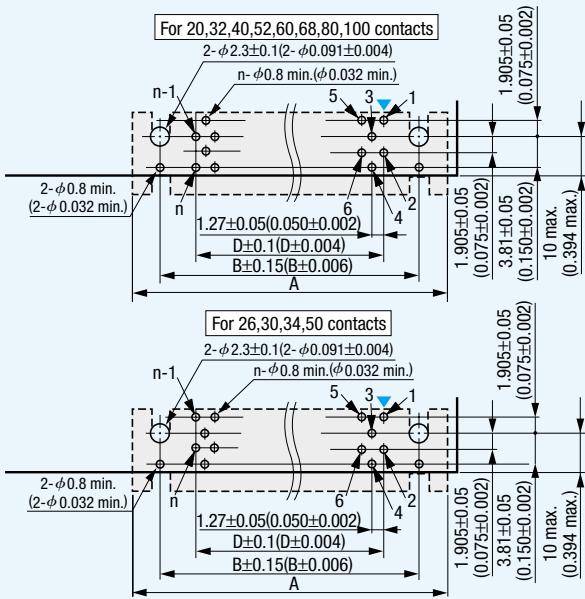
Packaging style
Pipe

■ Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8803-020-170L□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.607)	11.43 (0.450)	20
26	8803-026-170L□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.757)	15.24 (0.600)	17
30	8803-030-170L□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.857)	17.78 (0.700)	16
32	8803-032-170L□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.907)	19.05 (0.750)	15
34	8803-034-170L□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.957)	20.32 (0.800)	14
40	8803-040-170L□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.107)	24.13 (0.950)	13
50	8803-050-170L□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.357)	30.48 (1.200)	11
52	8803-052-170L□-F	45.75 (1.801)	40.64 (1.593)	35.75 (1.407)	31.75 (1.250)	11
60	8803-060-170L□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.607)	36.83 (1.450)	10
68	8803-068-170L□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.807)	41.91 (1.650)	9
80	8803-080-170L□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.107)	49.53 (1.950)	8
100	8803-100-170L□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.607)	62.23 (2.450)	6

8813-□□□-170L□-F (Plug, With power contacts)

Unit:mm(inch)

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

▼=Polarity identification
Recommended PCB Thickness t=1.6±0.19(0.063±0.007)
"n" is number of contacts.

■ Product Table / Dimensions

No.of contacts	Part Number	A	B	C	D	Number of packaging
20	8813-020-170L□-F	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20
26	8813-026-170L□-F	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17
30	8813-030-170L□-F	31.78 (1.251)	26.67 (1.050)	22.18 (0.873)	17.78 (0.700)	16
32	8813-032-170L□-F	33.05 (1.301)	27.94 (1.100)	23.45 (0.923)	19.05 (0.750)	15
34	8813-034-170L□-F	34.32 (1.351)	29.21 (1.150)	24.72 (0.973)	20.32 (0.800)	14
40	8813-040-170L□-F	38.13 (1.501)	33.02 (1.300)	28.53 (1.123)	24.13 (0.950)	13
50	8813-050-170L□-F	44.48 (1.751)	39.37 (1.550)	34.88 (1.373)	30.48 (1.200)	11
52	8813-052-170L□-F	45.75 (1.801)	40.64 (1.593)	36.15 (1.423)	31.75 (1.250)	11
60	8813-060-170L□-F	50.83 (2.001)	45.72 (1.800)	41.23 (1.623)	36.83 (1.450)	10
68	8813-068-170L□-F	55.91 (2.201)	50.80 (2.000)	46.31 (1.823)	41.91 (1.650)	9
80	8813-080-170L□-F	63.53 (2.501)	58.42 (2.300)	53.93 (2.123)	49.53 (1.950)	8
100	8813-100-170L□-F	76.23 (3.001)	71.12 (2.800)	66.63 (2.623)	62.23 (2.450)	6

Pin Assignment (Typical example)		
Horizontal mating	Stacked mating	Vertical mating
<p>Unit:mm(inch)</p> <p>① 8810-□□□-170L□-F ② 8800-□□□-170L□-F</p> <p>Mated distance 14.1(0.555)</p> <p>Mated distance 25.53(1.006)</p>	<p>Unit:mm(inch)</p> <p>8800-□□□-170S□-F</p> <p>Mated distance 14.1(0.555)</p> <p>8810-□□□-170S□-F</p>	<p>Unit:mm(inch)</p> <p>8800-□□□-170L□-F</p> <p>Mated distance 14.1(0.555)</p> <p>8810-□□□-170S□-F</p>
<p>(Component Side View)</p> <p>①</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 20, 32, 40, 52, 60, 68, 80, 100 pins</p> <p>②</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 26, 30, 34, 50 pins</p>	<p>(Component Side View)</p> <p>③</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 20, 32, 40, 52, 60, 68, 80, 100 pins</p> <p>④</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 26, 30, 34, 50 pins</p>	<p>(Component Side View)</p> <p>⑤</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 20, 32, 40, 52, 60, 68, 80, 100 pins</p> <p>⑥</p> <p>Polarity identification A1 → A2 → An → Bn → Bn-1 → B2</p> <p>Polarity identification b1 → b2 → bn → bn-1 → b1</p> <p>for 26, 30, 34, 50 pins</p>

Specifications and dimensions are subject to change without notice