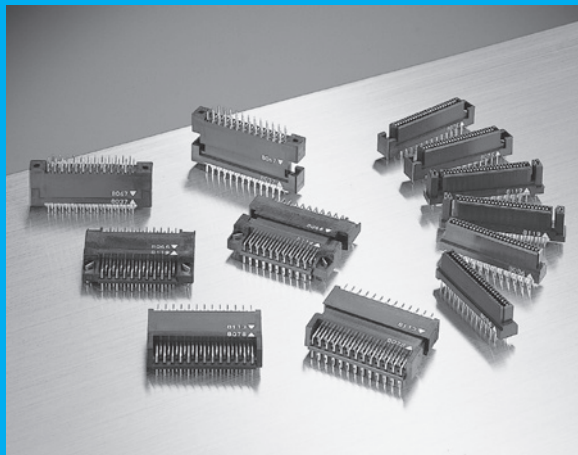


8800 SERIES

1.27mm PITCH CONNECTOR

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.
- ▶ Plug and Receptacle contacts share common tooling which means increased productivity and greater product diversity.
- ▶ Contact structure equipped with self-cleaning mechanism.
- ▶ Insulator designed to prevent mis-insertion and protect the contacts from damage.

ORDER CODE

880 - - **170** - **F**

① ② ③ ④ ⑤ ⑥

*Please order in multiples of the quantity per package.

- ① **[Type]** Receptacle **8800** : With flanges and without hooks **8801** : With flanges and hooks **8802** : Without flanges **8803** : With power contacts
- ② **[Number of contacts]** **020** : 20pin **026** : 26pin **030** : 30pin **032** : 32pin **034** : 34pin **040** : 40pin **050** : 50pin **052** : 52pin
060 : 60pin **068** : 68pin **080** : 80pin **100** : 100pin
- ③ **[Contact name]** **170**
- ④ **[Contact tail style]** **S** : Straight **L** : Right angle
- ⑤ **[Plating of contact area]** **Omit** : Au 0.05 μ m (Standard) **D** : Au 0.25 μ m (Upon request)
- ⑥ **[RoHS]** **F** : RoHS Compliant

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

ORDER CODE

881 - - **170** - **F**

① ② ③ ④ ⑤ ⑥

*Please order in multiples of the quantity per package.

- ① **[Type]** Plug **8810** : With flanges and without hooks **8811** : With flanges and hooks **8812** : Without flanges **8813** : With power contacts
- ② **[Number of contacts]** **020** : 20pin **026** : 26pin **030** : 30pin **032** : 32pin **034** : 34pin **040** : 40pin **050** : 50pin **052** : 52pin
060 : 60pin **068** : 68pin **080** : 80pin **100** : 100pin
- ③ **[Contact name]** **170**
- ④ **[Contact tail style]** **S** : Straight **L** : Right angle
- ⑤ **[Plating of contact area]** **Omit** : Au 0.05 μ m (Standard) **D** : Au 0.25 μ 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	Signal contact ; 0.5A per contact Power contact (8803/8813 Series) ;2A per contact
		Contact resistance	25m Ω max.
Contact material	Copper alloy	Dielectric withstanding voltage	650V AC for 1 minute
		Insulation resistance	1,000M Ω min. at 500V DC
Contact plating	(Contact area) Gold over Nickel (Terminal area) Tin copper over Nickel	Insertion force (Typical example)	18.6N max./ 20 pin, 37.2N max./ 40 pin, 55.9N max./ 60 pin, 93.1N max./ 100 pin
		Withdrawal force (Typical example)	2.9N min./ 20 pin, 7.8N min./ 40 pin, 11.8N min./ 60 pin, 19.6N min./ 100 pin
		Operating temperature	-55°C to +85°C

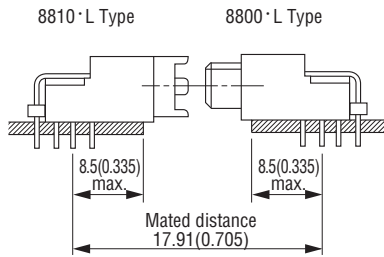
* 1A per terminal is possible under certain conditions limiting the number of contacts to be used. For more details, please contact your local KEL sales office.

Mating Drawing

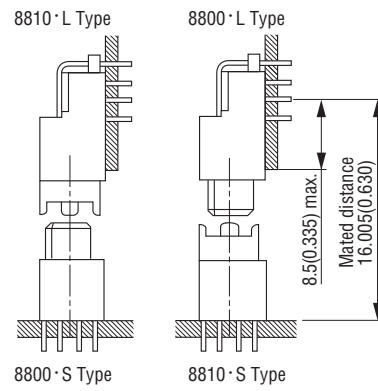
Unit : mm(inch)

Horizontal, Vertical and Stacked mating options available as illustrated.

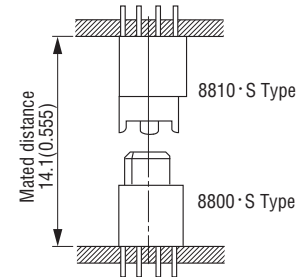
◆ Horizontal Mating



◆ Stacked Mating

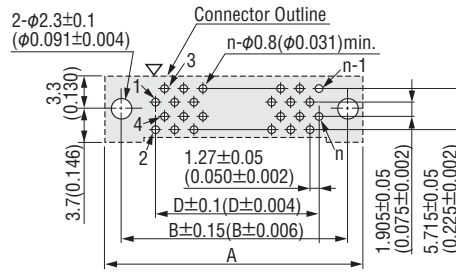


◆ Vertical Mating

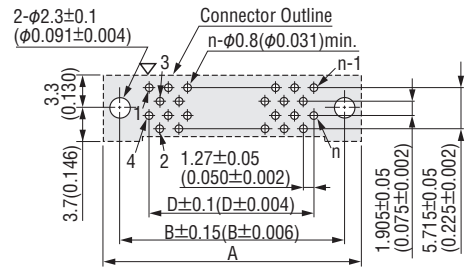


Printed Circuit Board Layout (Component Side View)

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

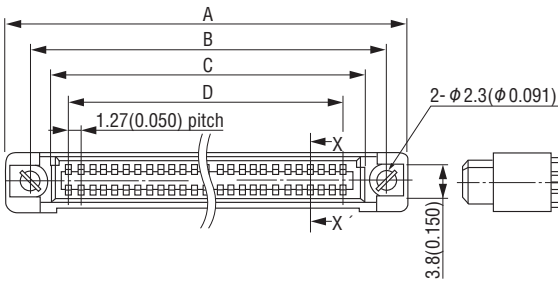
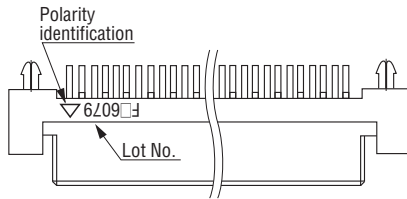


For 26,30,34,50 pins

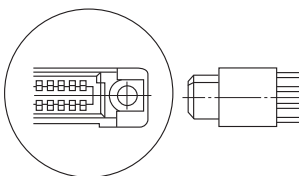
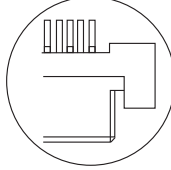
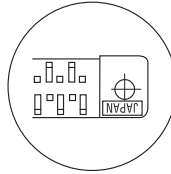

Recommended PCB Thickness $t = 1.6 \pm 0.2$ (0.063 ± 0.008)

▽=Polarity identification "n" is number of contacts.

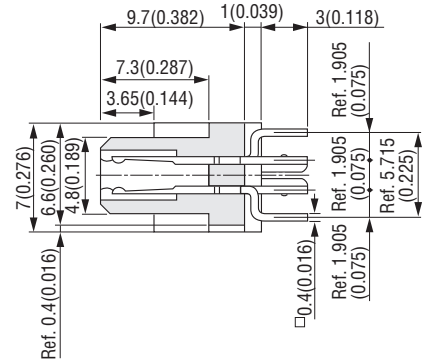
8801series



8800series



X-X' Cross Section



Packaging style

Pipe

Product Table / Dimensions

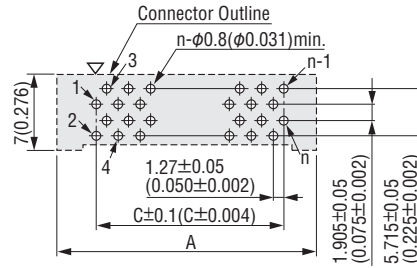
No. of contacts	Part Number	A	B	C	D	Number of packaging
20	8800-020-170S□-F 8801-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.607)	11.43 (0.450)	20
26	8800-026-170S□-F 8801-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.757)	15.24 (0.600)	17
30	8800-030-170S□-F 8801-030-170S□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.857)	17.78 (0.700)	16
32	8800-032-170S□-F 8801-032-170S□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.907)	19.05 (0.750)	15
34	8800-034-170S□-F 8801-034-170S□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.957)	20.32 (0.800)	14
40	8800-040-170S□-F 8801-040-170S□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.107)	24.13 (0.950)	13
50	8800-050-170S□-F 8801-050-170S□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.357)	30.48 (1.200)	11
52	8800-052-170S□-F 8801-052-170S□-F	45.75 (1.801)	40.64 (1.600)	35.75 (1.407)	31.75 (1.250)	11
60	8800-060-170S□-F 8801-060-170S□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.607)	36.83 (1.450)	10
68	8800-068-170S□-F 8801-068-170S□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.807)	41.91 (1.650)	9
80	8800-080-170S□-F 8801-080-170S□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.107)	49.53 (1.950)	8
100	8800-100-170S□-F 8801-100-170S□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.607)	62.23 (2.450)	6

8802-□□□-170S□-F (Receptacle, Without flanges, Straight)

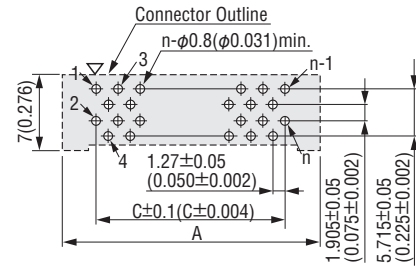
Unit : mm(inch)

Printed Circuit Board Layout (Component Side View)

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

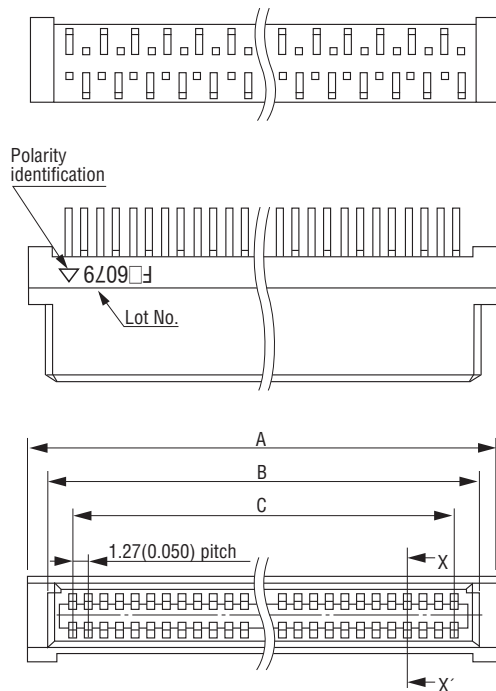


For 26,30,34,50 pins

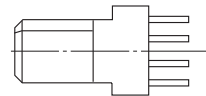
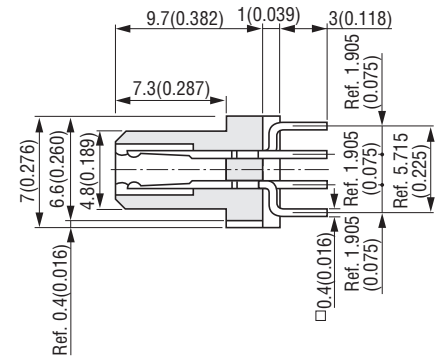


Recommended PCB Thickness $t = 1.6 \pm 0.1$ (0.063 ± 0.004)

▽=Polarity identification "n" is number of contacts.



X-X' Cross Section



Packaging style

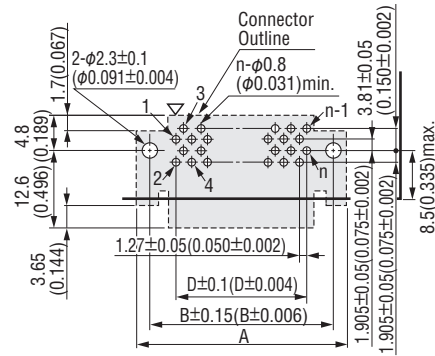
Pipe

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 (0.607)	11.43 (0.450)	28
26	8802-026-170S□-F	21.64 (0.852)	19.24 (0.757)	15.24 (0.600)	23
30	8802-030-170S□-F	24.18 (0.952)	21.78 (0.857)	17.78 (0.700)	21
32	8802-032-170S□-F	25.45 (1.002)	23.05 (0.907)	19.05 (0.750)	20
34	8802-034-170S□-F	26.72 (1.052)	24.32 (0.957)	20.32 (0.800)	19
40	8802-040-170S□-F	30.53 (1.202)	28.13 (1.107)	24.13 (0.950)	16
50	8802-050-170S□-F	36.88 (1.452)	34.48 (1.357)	30.48 (1.200)	13
52	8802-052-170S□-F	38.15 (1.502)	35.75 (1.407)	31.75 (1.250)	13
60	8802-060-170S□-F	43.23 (1.702)	40.83 (1.607)	36.83 (1.450)	11
68	8802-068-170S□-F	48.31 (1.902)	45.91 (1.807)	41.91 (1.650)	10
80	8802-080-170S□-F	55.93 (2.202)	53.53 (2.107)	49.53 (1.950)	9
100	8802-100-170S□-F	68.63 (2.702)	66.23 (2.607)	62.23 (2.450)	7

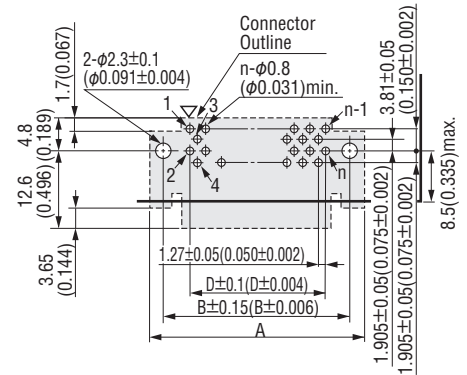
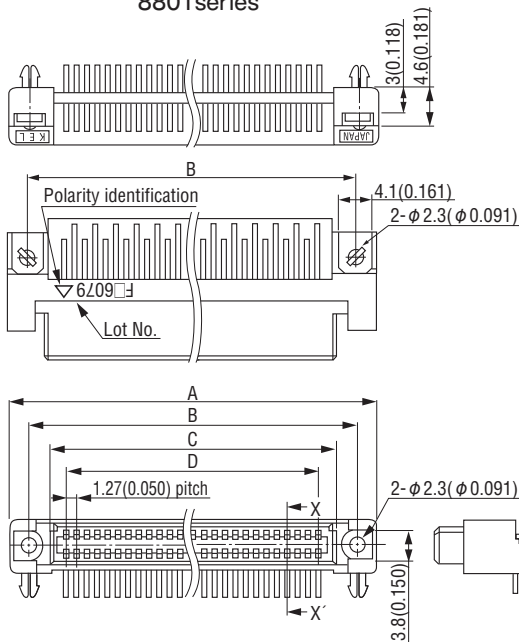
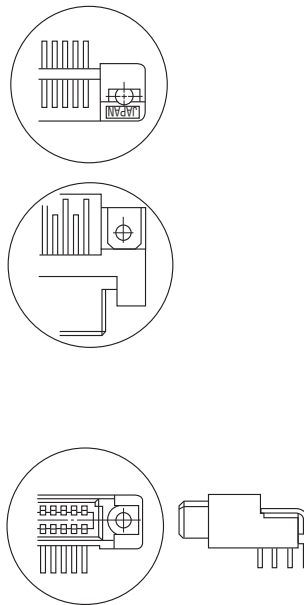
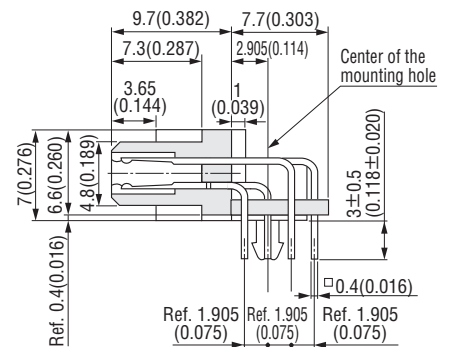
▶ Printed Circuit Board Layout (Component Side View)

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


Recommended PCB Thickness $t = 1.6 \pm 0.2$ (0.063 ± 0.008)

▽=Polarity identification "n" is number of contacts.

For 26,30,34,50 pins


8801series

8800series

X-X' Cross Section


Packaging style

Pipe

▶ Product Table / Dimensions

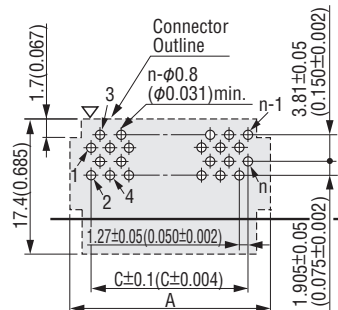
No. of contacts	Part Number	A	B	C	D	Number of packaging
20	8800-020-170L□-F 8801-020-170L□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.607)	11.43 (0.450)	20
26	8800-026-170L□-F 8801-026-170L□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.757)	15.24 (0.600)	17
30	8800-030-170L□-F 8801-030-170L□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.857)	17.78 (0.700)	16
32	8800-032-170L□-F 8801-032-170L□-F	33.05 (1.301)	27.94 (1.100)	23.05 (0.907)	19.05 (0.750)	15
34	8800-034-170L□-F 8801-034-170L□-F	34.32 (1.351)	29.21 (1.150)	24.32 (0.957)	20.32 (0.800)	14
40	8800-040-170L□-F 8801-040-170L□-F	38.13 (1.501)	33.02 (1.300)	28.13 (1.107)	24.13 (0.950)	13
50	8800-050-170L□-F 8801-050-170L□-F	44.48 (1.751)	39.37 (1.550)	34.48 (1.357)	30.48 (1.200)	11
52	8800-052-170L□-F 8801-052-170L□-F	45.75 (1.801)	40.64 (1.600)	35.75 (1.407)	31.75 (1.250)	11
60	8800-060-170L□-F 8801-060-170L□-F	50.83 (2.001)	45.72 (1.800)	40.83 (1.607)	36.83 (1.450)	10
68	8800-068-170L□-F 8801-068-170L□-F	55.91 (2.201)	50.80 (2.000)	45.91 (1.807)	41.91 (1.650)	9
80	8800-080-170L□-F 8801-080-170L□-F	63.53 (2.501)	58.42 (2.300)	53.53 (2.107)	49.53 (1.950)	8
100	8800-100-170L□-F 8801-100-170L□-F	76.23 (3.001)	71.12 (2.800)	66.23 (2.607)	62.23 (2.450)	6

8802-□□□-170L□-F (Receptacle, Without flanges, Right angle)

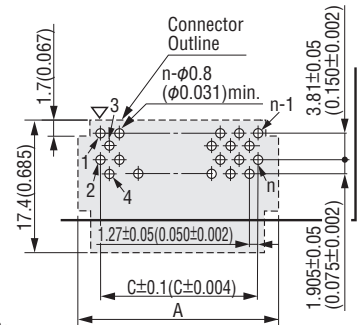
Unit : mm(inch)

Printed Circuit Board Layout (Component Side View)

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

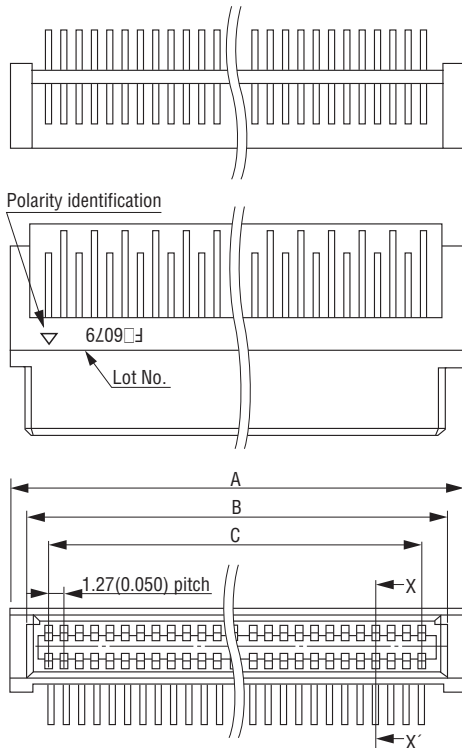


For 26,30,34,50 pins

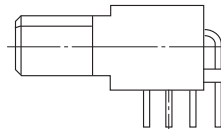
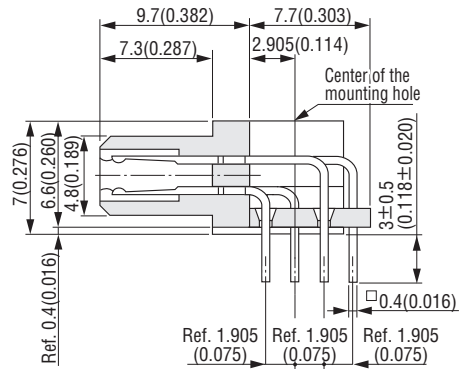


Recommended PCB Thickness $t = 1.6^{+0.2}_{-0.1}$ (0.063^{+0.008}_{-0.004})

▽=Polarity identification "n" is number of contacts.



X-X' Cross Section



Packaging style

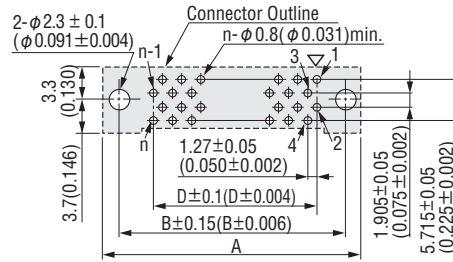
Pipe

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 (0.607)	11.43 (0.450)	28
26	8802-026-170L□-F	21.64 (0.852)	19.24 (0.757)	15.24 (0.600)	23
30	8802-030-170L□-F	24.18 (0.952)	21.78 (0.857)	17.78 (0.700)	21
32	8802-032-170L□-F	25.45 (1.002)	23.05 (0.907)	19.05 (0.750)	20
34	8802-034-170L□-F	26.72 (1.052)	24.32 (0.957)	20.32 (0.800)	19
40	8802-040-170L□-F	30.53 (1.202)	28.13 (1.107)	24.13 (0.950)	16
50	8802-050-170L□-F	36.88 (1.452)	34.48 (1.357)	30.48 (1.200)	13
52	8802-052-170L□-F	38.15 (1.502)	35.75 (1.407)	31.75 (1.250)	13
60	8802-060-170L□-F	43.23 (1.702)	40.83 (1.607)	36.83 (1.450)	11
68	8802-068-170L□-F	48.31 (1.902)	45.91 (1.807)	41.91 (1.650)	10
80	8802-080-170L□-F	55.93 (2.202)	53.53 (2.107)	49.53 (1.950)	9
100	8802-100-170L□-F	68.63 (2.702)	66.23 (2.607)	62.23 (2.450)	7

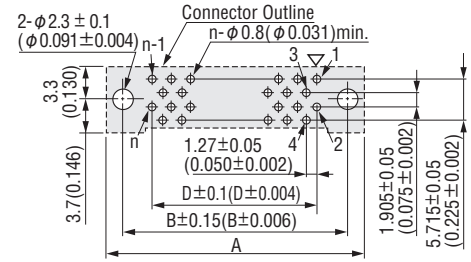
Printed Circuit Board Layout (Component Side View)

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

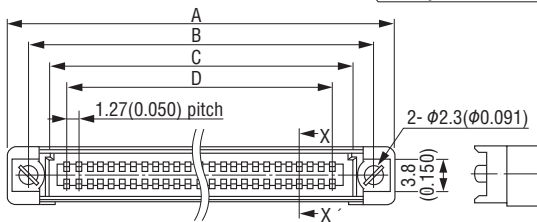
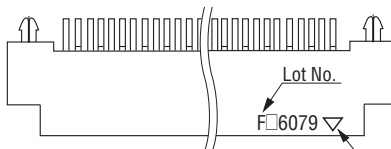

Recommended PCB Thickness $t = 1.6 \pm 0.2$ (0.063 ± 0.008)

▽=Polarity identification "n" is number of contacts.

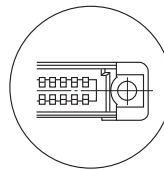
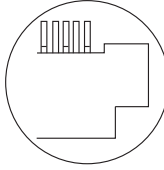
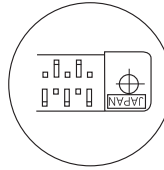
For 26,30,34,50 pins



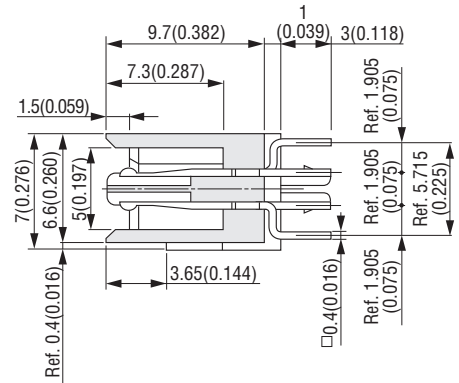
8811series



8810series



X-X' Cross Section



Packaging style

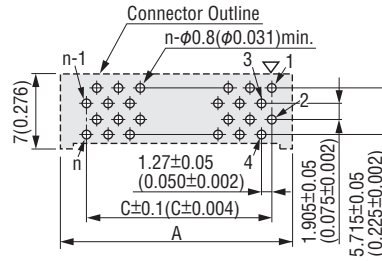
Pipe

Product Table / Dimensions

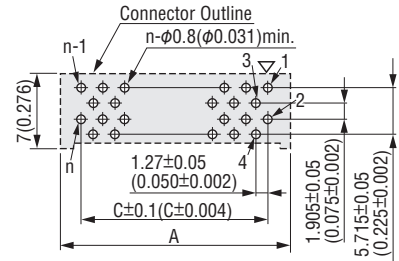
No. of contacts	Part Number	A	B	C	D	Number of packaging
20	8810-020-170S□-F 8811-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20
26	8810-026-170S□-F 8811-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17
30	8810-030-170S□-F 8811-030-170S□-F	31.78 (1.251)	26.67 (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

▶ Printed Circuit Board Layout (Component Side View)

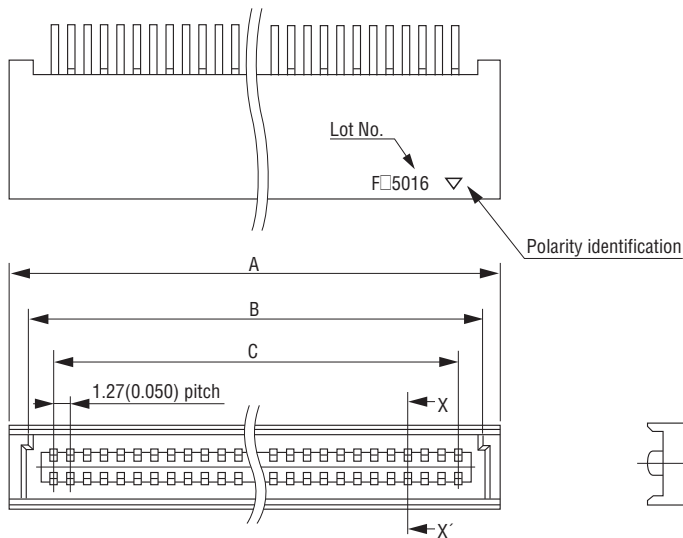
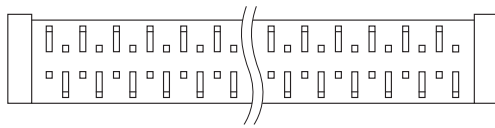
For 20,32,40,52,60,68,80,100 pins



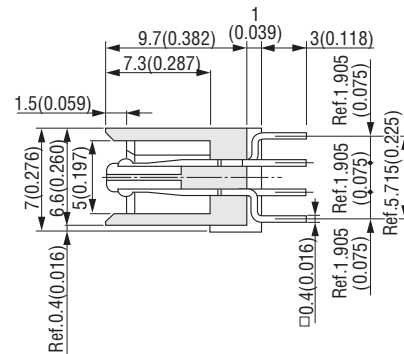
For 26,30,34,50 pins


Recommended PCB Thickness $t = 1.6 \pm 0.2$ (0.063 ± 0.008)

▽=Polarity identification "n" is number of contacts.



X-X' Cross Section



Packaging style

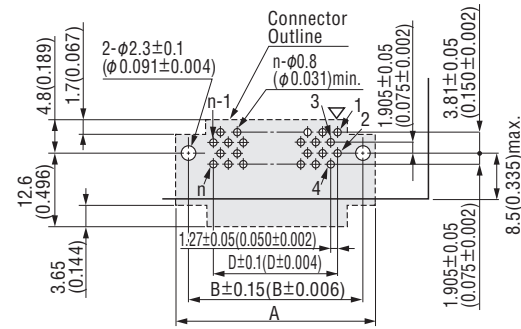
Pipe

▶ Product Table / Dimensions

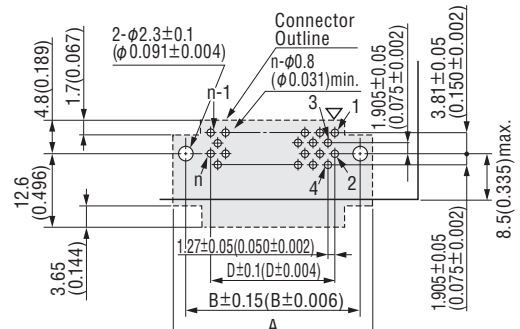
No. of contacts	Part Number	A	B	C	Number of packaging
20	8812-020-170S□-F	17.83 (0.702)	15.83 (0.623)	11.43 (0.450)	28
26	8812-026-170S□-F	21.64 (0.852)	19.64 (0.773)	15.24 (0.600)	23
30	8812-030-170S□-F	24.18 (0.952)	22.18 (0.873)	17.78 (0.700)	21
32	8812-032-170S□-F	25.45 (1.002)	23.45 (0.923)	19.05 (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

Printed Circuit Board Layout (Component Side View)

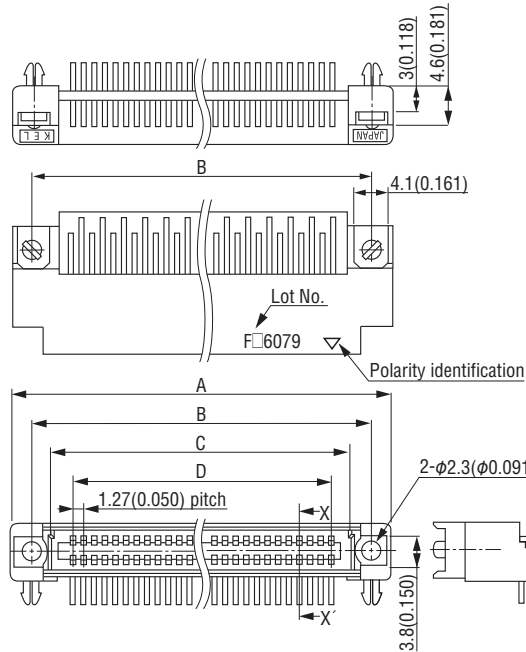
For 20,32,40,52,60,68,80,100 pins



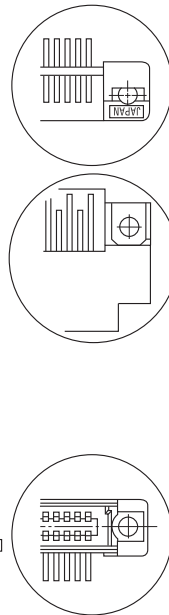
For 26,30,34,50 pins


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

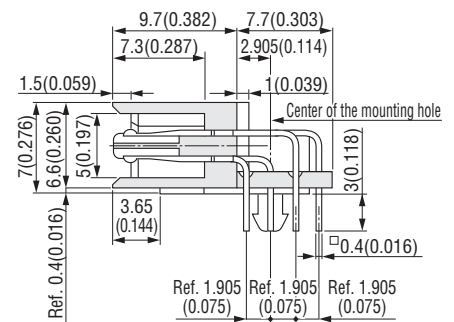
8811series



8810series



X-X' Cross Section



Packaging style

Pipe

Product Table / Dimensions

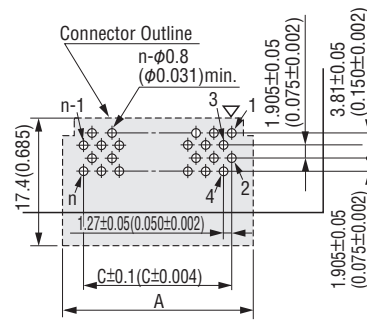
No. of contacts	Part Number	A	B	C	D	Number of packaging
20	8810-020-170L□-F 8811	25.43 (1.001)	20.32 (0.800)	15.83 (0.623)	11.43 (0.450)	20
26	8810-026-170L□-F 8811	29.24 (1.151)	24.13 (0.950)	19.64 (0.773)	15.24 (0.600)	17
30	8810-030-170L□-F 8811	31.78 (1.251)	26.67 (1.050)	22.18 (0.873)	17.78 (0.700)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

8812-□□□-170L□-F (Plug, Without flanges, Right angle)

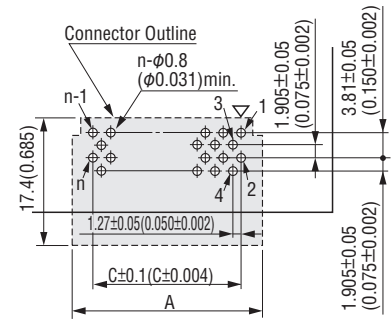
Unit : mm(inch)

Printed Circuit Board Layout (Component Side View)

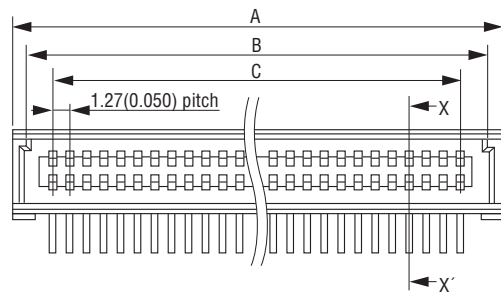
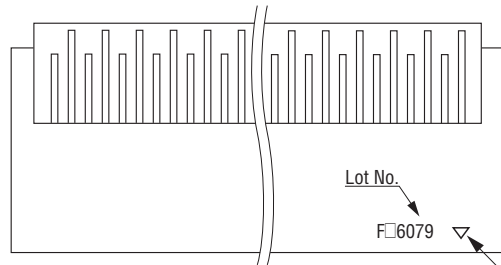
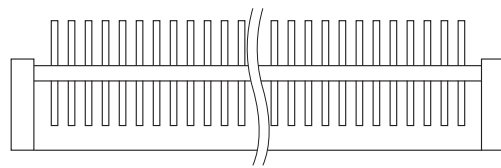
For 20,32,40,52,60,68,80,100 pins



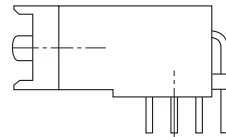
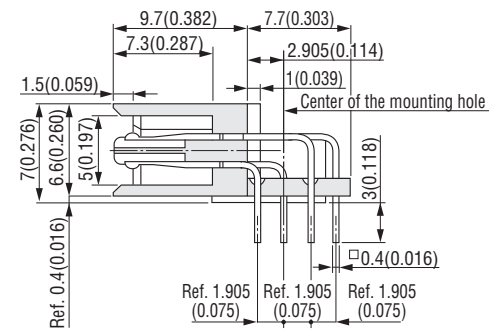
For 26,30,34,50 pins



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



X-X' Cross Section



Packaging style

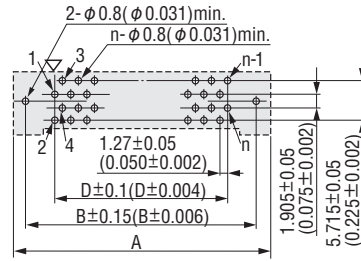
Pipe

Product Table / Dimensions

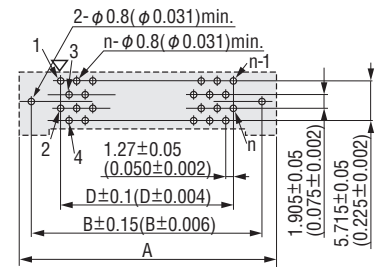
No. of contacts	Part Number	A	B	C	Number of packaging
20	8812-020-170L□-F	17.83 (0.702)	15.83 (0.623)	11.43 (0.450)	28
26	8812-026-170L□-F	21.64 (0.852)	19.64 (0.773)	15.24 (0.600)	23
30	8812-030-170L□-F	24.18 (0.952)	22.18 (0.873)	17.78 (0.700)	21
32	8812-032-170L□-F	25.45 (1.002)	23.45 (0.923)	19.05 (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

Printed Circuit Board Layout (Component Side View)

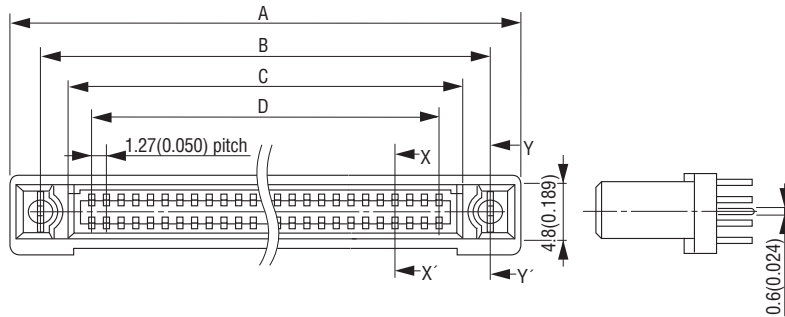
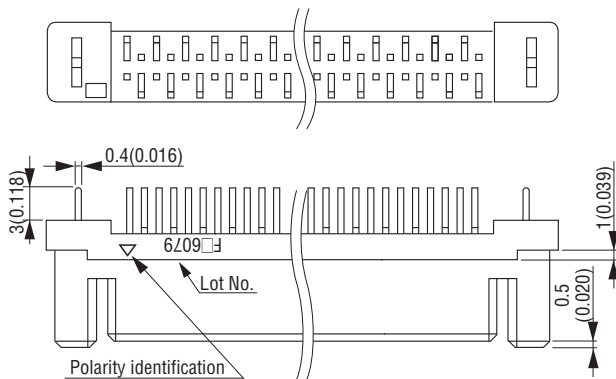
For 20,32,40,52,60,68,80,100 pins



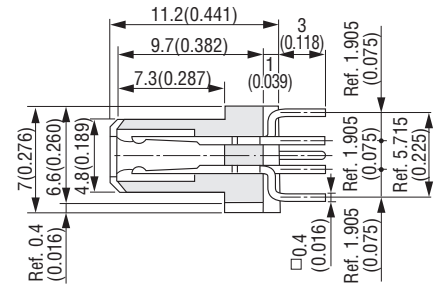
For 26,30,34,50 pins


Recommended PCB Thickness $t = 1.6^{+0.2}_{-0.1}$ (0.063^{+0.008}_{-0.004})

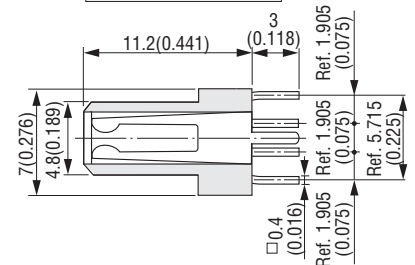
▽=Polarity identification "n" is number of contacts.



X-X' Cross Section



Y-Y' Cross Section



Packaging style

Pipe

Product Table / Dimensions

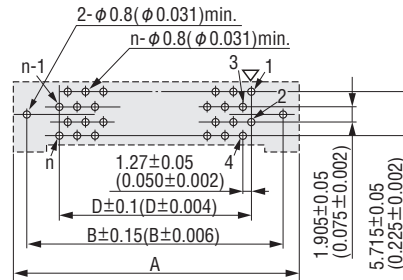
No. of contacts	Part Number	A	B	C	D	Number of packaging
20	8803-020-170S□-F	25.43 (1.001)	20.32 (0.800)	15.43 (0.607)	11.43 (0.450)	20
26	8803-026-170S□-F	29.24 (1.151)	24.13 (0.950)	19.24 (0.757)	15.24 (0.600)	17
30	8803-030-170S□-F	31.78 (1.251)	26.67 (1.050)	21.78 (0.857)	17.78 (0.700)	16
32	8803-032-170S□-F	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, Straight)

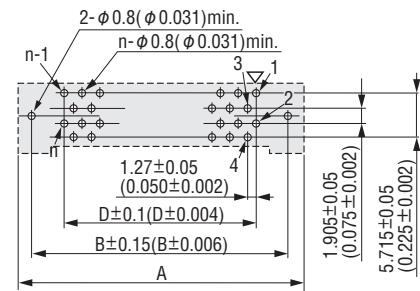
Unit : mm(inch)

Printed Circuit Board Layout (Component Side View)

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

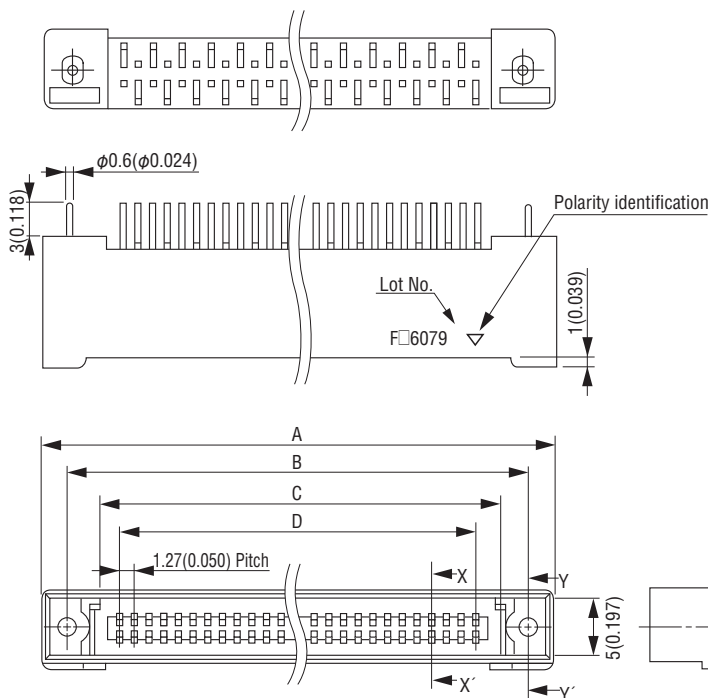


For 26,30,34,50 pins

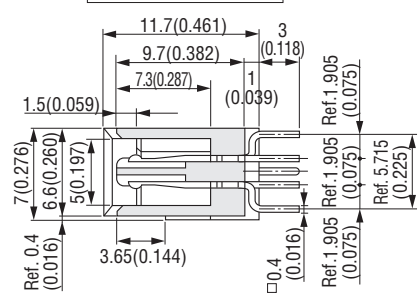


Recommended PCB Thickness $t = 1.6^{+0.2}_{-0.1}$ (0.063 $^{+0.008}_{-0.004}$)

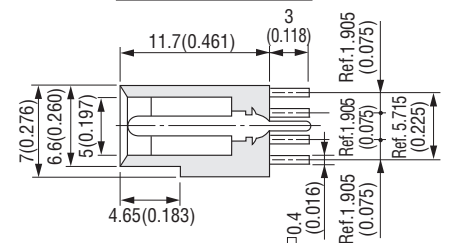
▽=Polarity identification "n" is number of contacts.



X-X' Cross Section



Y-Y' Cross Section



Packaging style

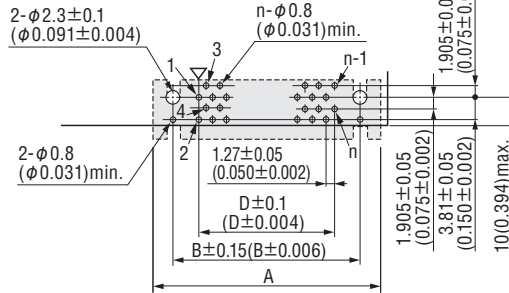
Pipe

Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	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

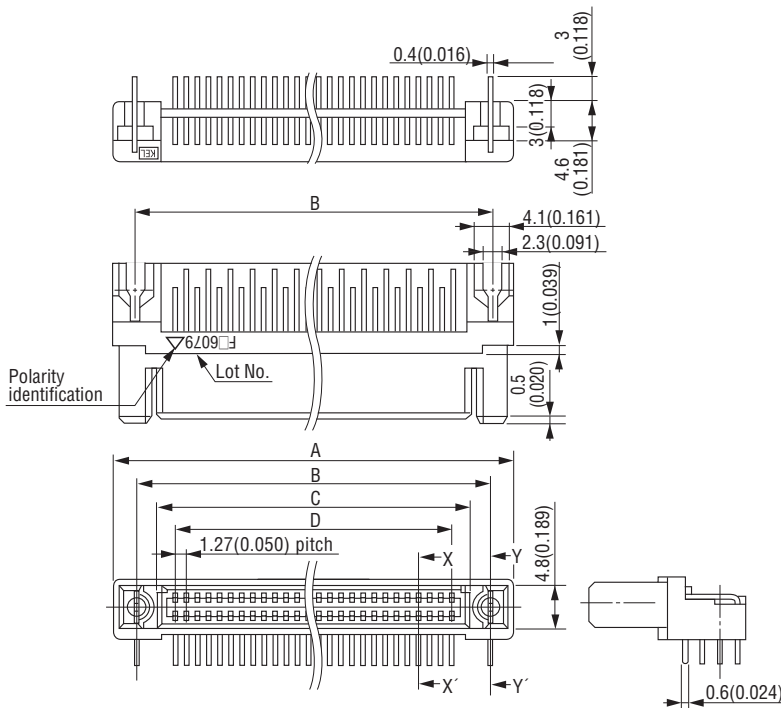
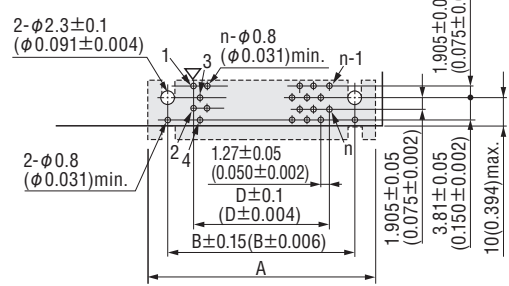
Printed Circuit Board Layout (Component Side View)

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

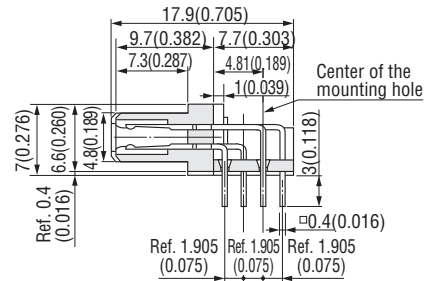

Recommended PCB Thickness $t = 1.6 \pm 0.2$ (0.063 ± 0.008)

▽=Polarity identification "n" is number of contacts.

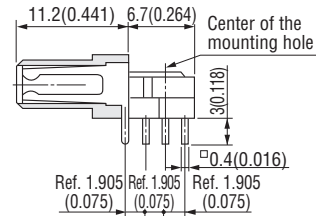
For 26,30,34,50 pins



X-X' Cross Section



Y-Y' Cross Section



Packaging style

Pipe

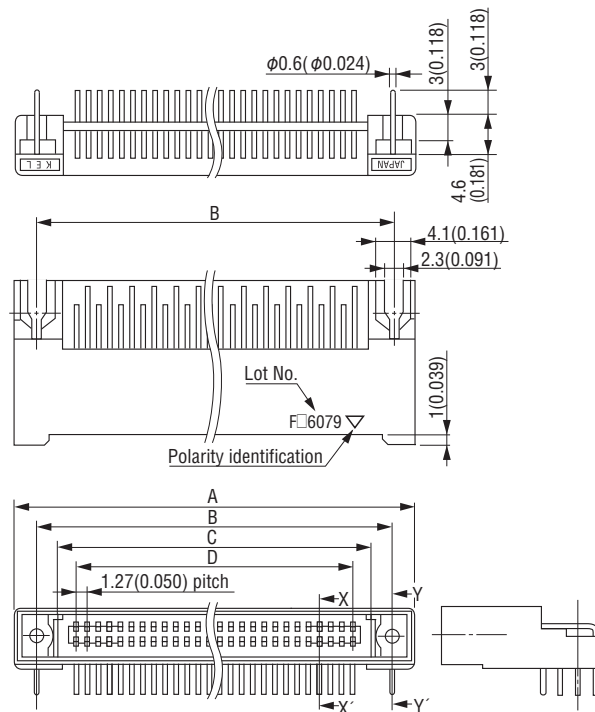
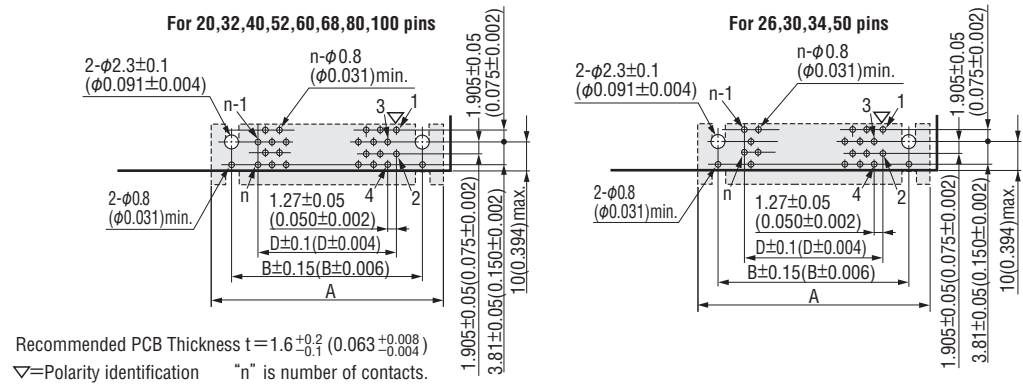
Product Table / Dimensions

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

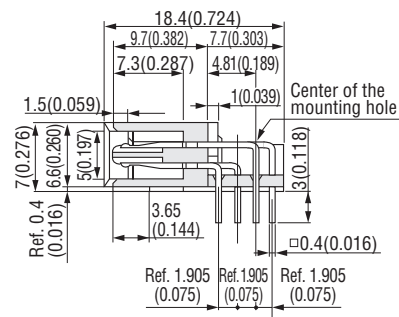
8813-□□□-170L□-F (Plug, With power contacts, Right angle)

Unit : mm(inch)

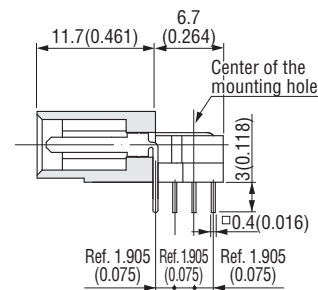
▶ Printed Circuit Board Layout (Component Side View)



X-X' Cross Section



Y-Y' Cross Section



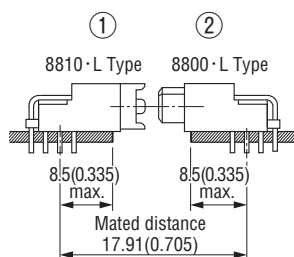
Packaging style

Pipe

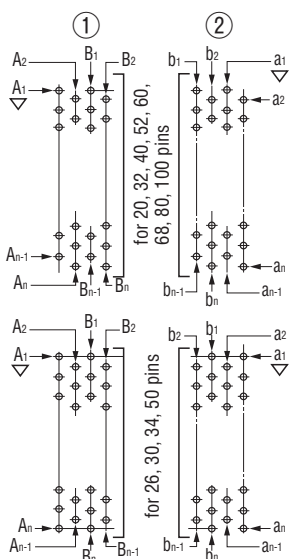
▶ Product Table / Dimensions

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

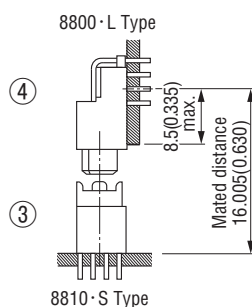
Horizontal Mating



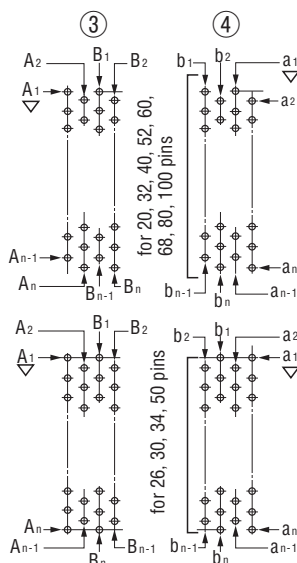
(Component Side View)



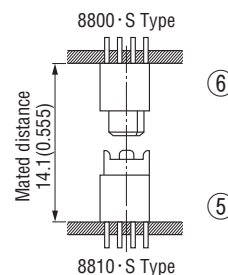
Vertical mating



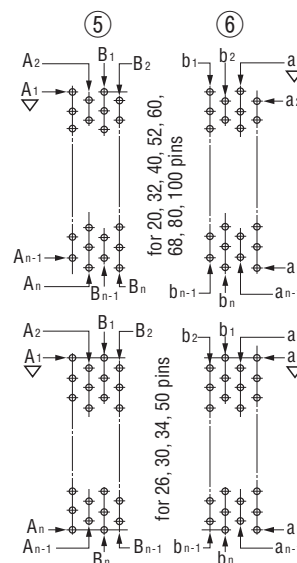
(Component Side View)



Stacked mating



(Component Side View)



▽=Polarity identification