

FEATURES

- Highly reliable straight beam contacts
- Low insertion and withdrawal force
- Two mating points per contact
- Horizontal, Right angle and Stacked mating
- Staggered 1.27mm pitch tails simplifies layout
- 3 types: with flanges (without hooks), with flanges (with hooks) and without flanges
- Horizontal mating height is 5.5mm
- Single in line design uses less space compared to dual in line
- RoHS compliance

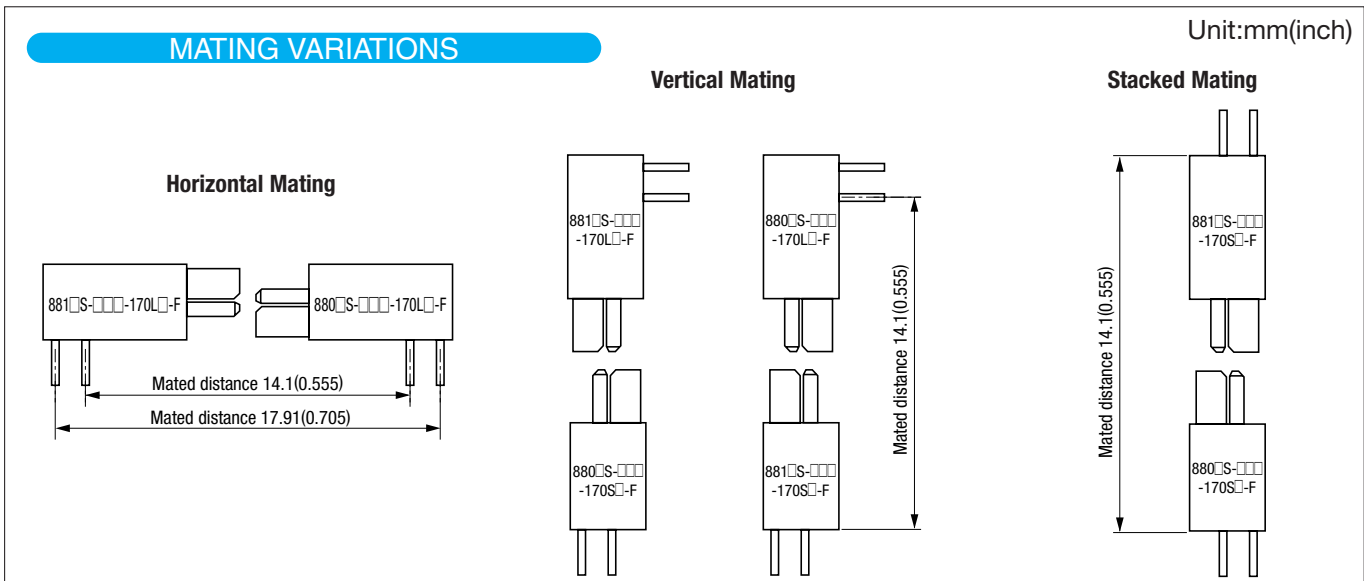
● ORDER CODE

88 S - -170 -F

- **F** : RoHS Compliance
- Plating of contact area
Omit : Au 0.05μm (Standard)
D : Au 0.25μm (Upon request)
- Contact tail style
L : Right angle
S : Straight
- Contact name
170
- Number of contacts
040 : 40 pin
050 : 50 pin
- Series name
8800S : Receptacle, With flanges and Without hooks
8801S : Receptacle, With flanges and hooks
8802S : Receptacle, Without flanges
8810S : Plug, With flanges and Without hooks
8811S : Plug, With flanges and hooks
8812S : Plug, Without flanges

SPECIFICATIONS

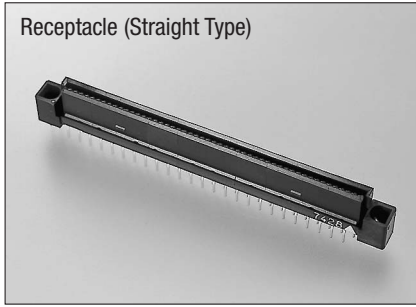
- Insulator : Glass-filled Nylon 66 (UL 94V-0), Black
- Contact : Phosphor Bronze
- Plating :
 Contact area ; Gold over Nickel
 (1) Standard : 0.05μm min. Gold
 (2) Upon request : 0.25μm min. Gold
 Terminal area ; 2μm min. Tin copper over Nickel
- Current rating : 0.5A per contact
- Contact resistance : 25mΩ max.
- Dielectric withstanding voltage : 650V AC for 1 minute
- Insulation resistance : 1,000MΩ min. at 500V DC
- Operating temperature : -55°C to +85°C
- Insertion force : 7.6kg max. / 40 pin, 9.5kg max. / 50 pin
- Withdrawal force : 0.8kg min. / 40 pin, 1kg min. / 50 pin



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

Unit:mm(inch)

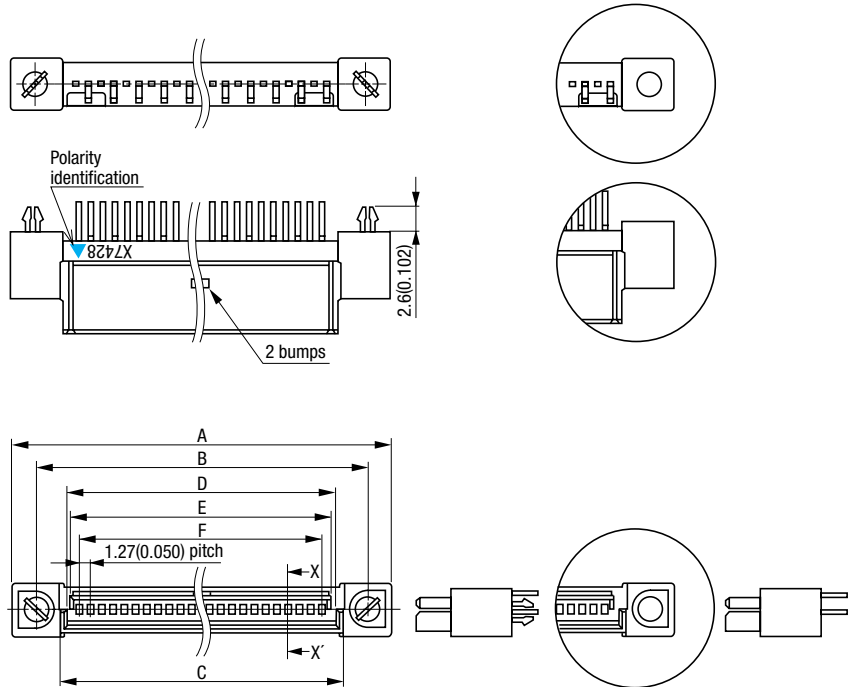
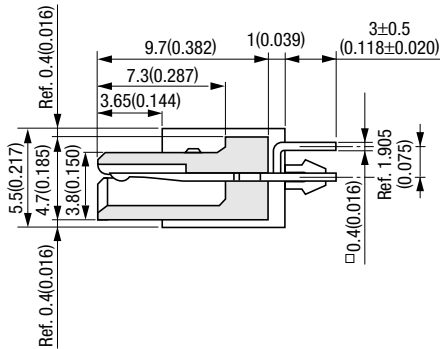
Receptacle (Straight Type)



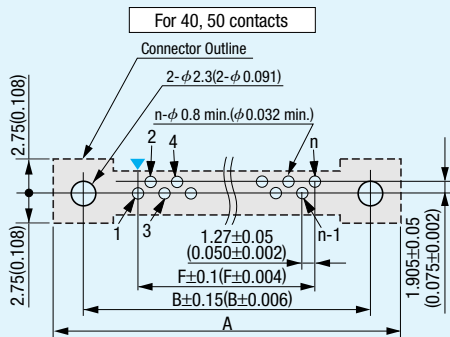
8801S-□□□-170S□-F

8800S-□□□-170S□-F

X-X' Cross Section



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.

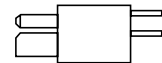
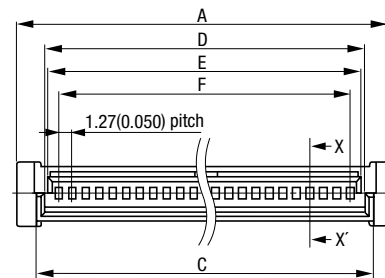
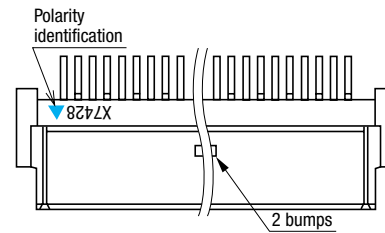
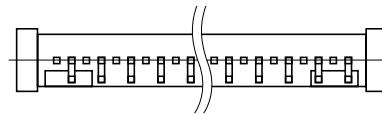
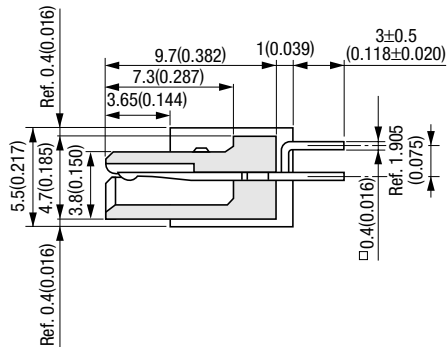
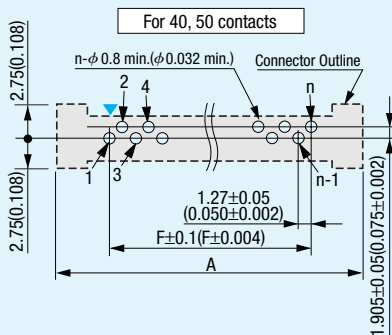
Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F
40	8800S-040-170S□-F	63.53	58.42	53.53	51.93	51.63	49.53
	8801S-040-170S□-F	(2.501)	(2.300)	(2.107)	(2.044)	(2.033)	(1.950)
50	8800S-050-170S□-F	76.23	71.12	66.23	64.63	64.33	62.23
	8801S-050-170S□-F	(3.001)	(2.800)	(2.607)	(2.544)	(2.533)	(2.450)

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

Unit:mm(inch)

Receptacle (Straight Type)


X-X' Cross Section

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.

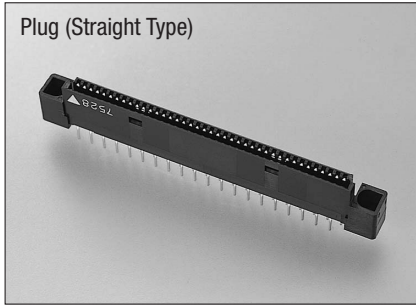
Product Table / Dimensions

No. of contacts	Part Number	A	C	D	E	F
40	8802S-040-170S□-F	55.93 (2.202)	53.53 (2.107)	51.93 (2.044)	51.63 (2.033)	49.53 (1.950)
50	8802S-050-170S□-F	68.63 (2.702)	66.23 (2.607)	64.63 (2.544)	64.33 (2.533)	62.23 (2.450)

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

Unit:mm(inch)

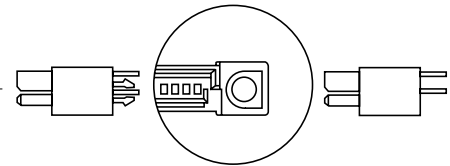
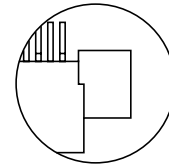
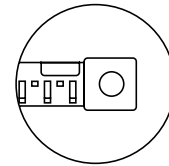
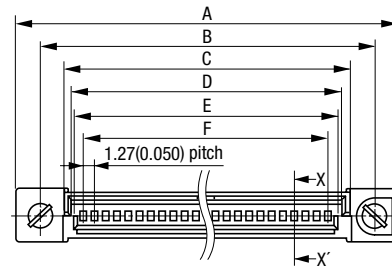
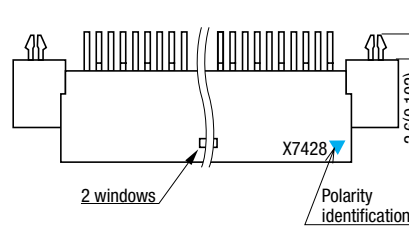
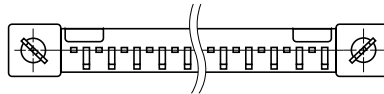
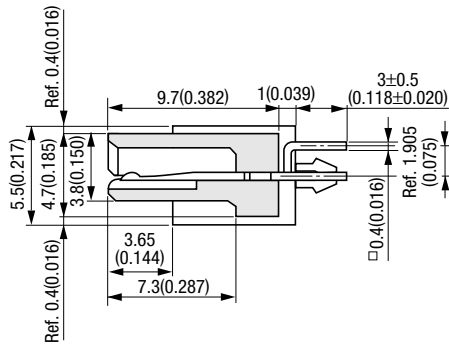
Plug (Straight Type)



8811S-□□□-170S□-F

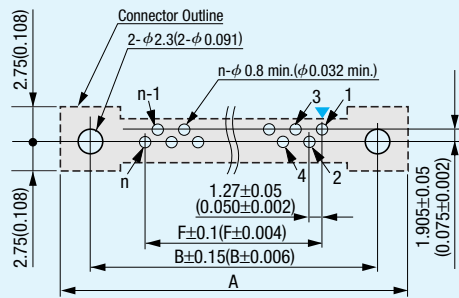
8810S-□□□-170S□-F

X-X' Cross Section



Printed Circuit Board Layout (Component Side View)

For 40, 50 contacts



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

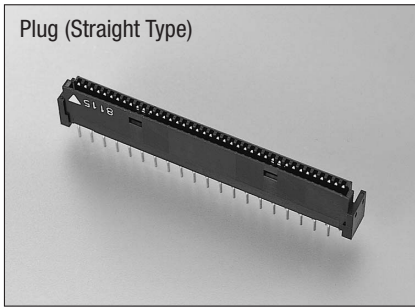
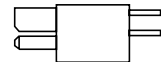
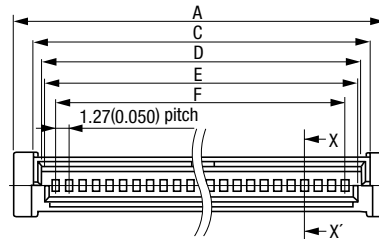
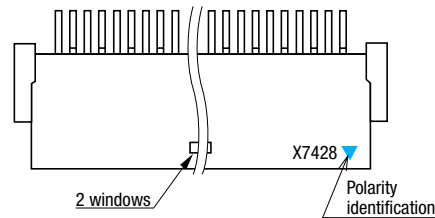
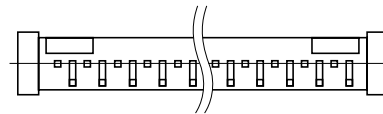
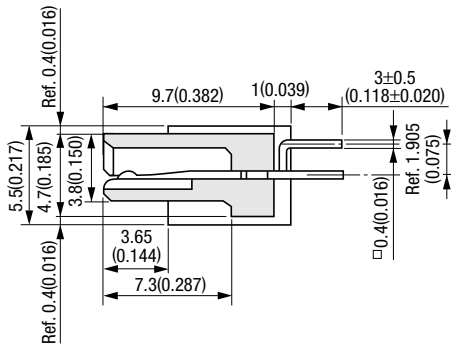
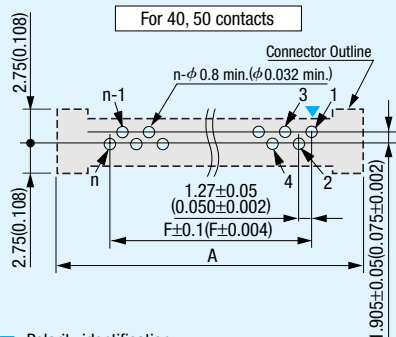
Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F
40	8810S-040-170S□-F	63.53(2.501)	58.42(2.300)	53.53(2.107)	51.93(2.044)	51.63(2.033)	49.53(1.950)
	8811S-040-170S□-F						
50	8810S-050-170S□-F	76.23(3.001)	71.12(2.800)	66.23(2.607)	64.63(2.544)	64.33(2.533)	62.23(2.450)
	8811S-050-170S□-F						

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

Unit:mm(inch)

Plug (Straight Type)


X-X' Cross Section

Printed Circuit Board Layout (Component Side View)


▼=Polarity identification

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

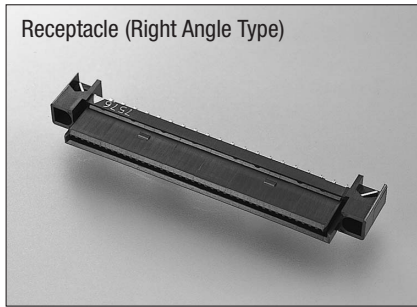
"n" is number of contacts.

Product Table / Dimensions

No. of contacts	Part Number	A	C	D	E	F
40	8812S-040-170S□-F	55.93 (2.202)	53.53 (2.107)	51.93 (2.044)	51.63 (2.033)	49.53 (1.950)
50	8812S-050-170S□-F	68.63 (2.702)	66.23 (2.607)	64.63 (2.544)	64.33 (2.533)	62.23 (2.450)

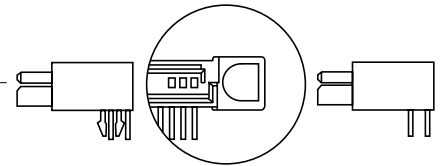
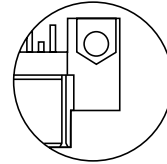
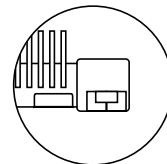
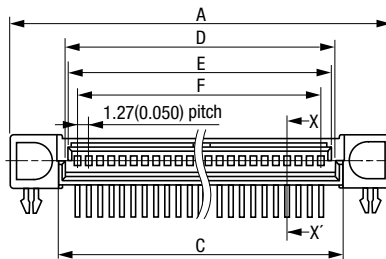
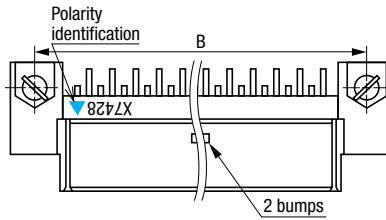
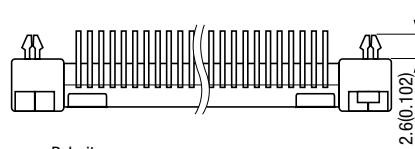
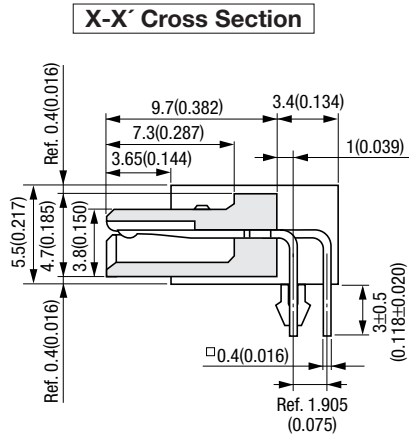
8800S-□□□-170L□-F (Receptacle, With flanges) / 8801S-□□□-170L□-F (Receptacle, With hooks)

Unit:mm(inch)



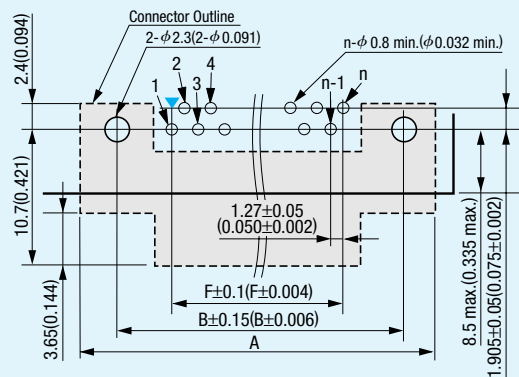
8801S-□□□-170L□-F

8800S-□□□-170L□-F



Printed Circuit Board Layout (Component Side View)

For 40, 50 contacts



▼=Polarity identification
Recommended PCB Thickness $t=1.6\pm0.19(0.063\pm0.007)$
"n" is number of contacts.

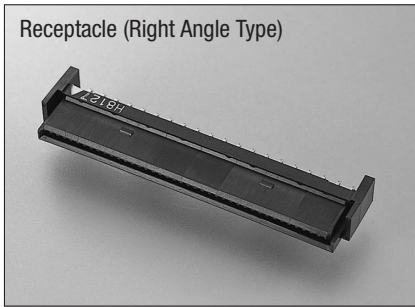
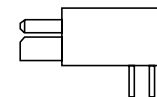
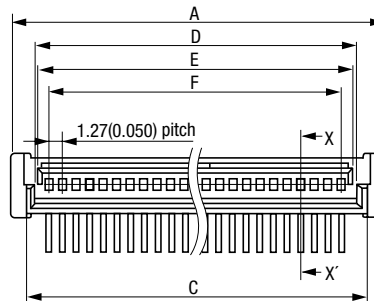
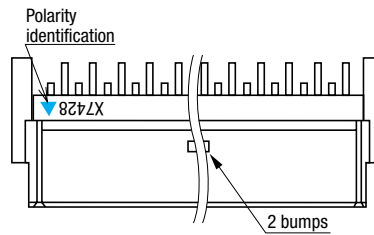
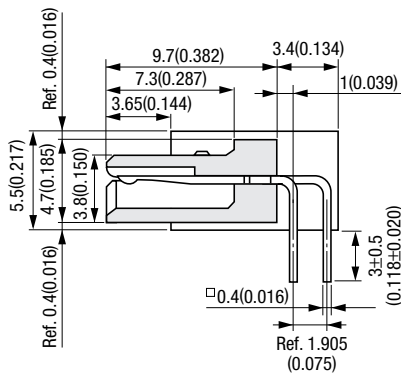
Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F
40	8800S-040-170L□-F	63.53	58.42	53.53	51.93	51.63	49.53
	8801S-040-170L□-F	(2.501)	(2.300)	(2.107)	(2.044)	(2.033)	(1.950)
50	8800S-050-170L□-F	76.23	71.12	66.23	64.63	64.33	62.23
	8801S-050-170L□-F	(3.001)	(2.800)	(2.607)	(2.544)	(2.533)	(2.450)

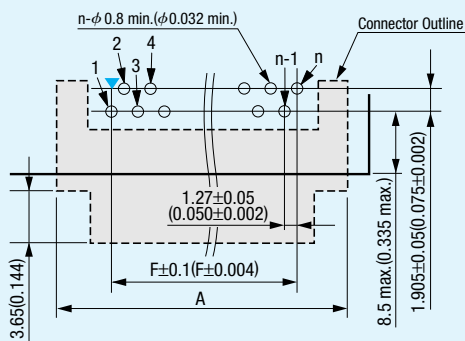
8802S-□□□-170L□-F (Receptacle, Without flanges)

Unit:mm(inch)

Receptacle (Right Angle Type)


X-X' Cross Section

Printed Circuit Board Layout (Component Side View)

For 40, 50 contacts



▼=Polarity identification

 Recommended PCB Thickness $t=1.6\pm 0.19(0.063\pm 0.007)$

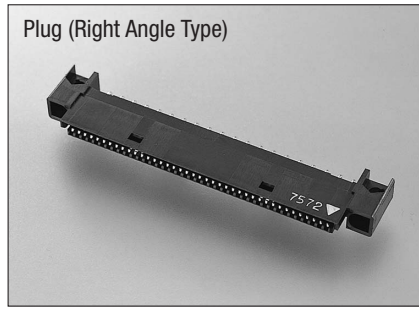
"n" is number of contacts.

Product Table / Dimensions

No. of contacts	Part Number	A	C	D	E	F
40	8802S-040-170L□-F	55.93 (2.202)	53.53 (2.107)	51.93 (2.044)	51.63 (2.033)	49.53 (1.950)
50	8802S-050-170L□-F	68.63 (2.702)	66.23 (2.607)	64.63 (2.544)	64.33 (2.533)	62.23 (2.450)

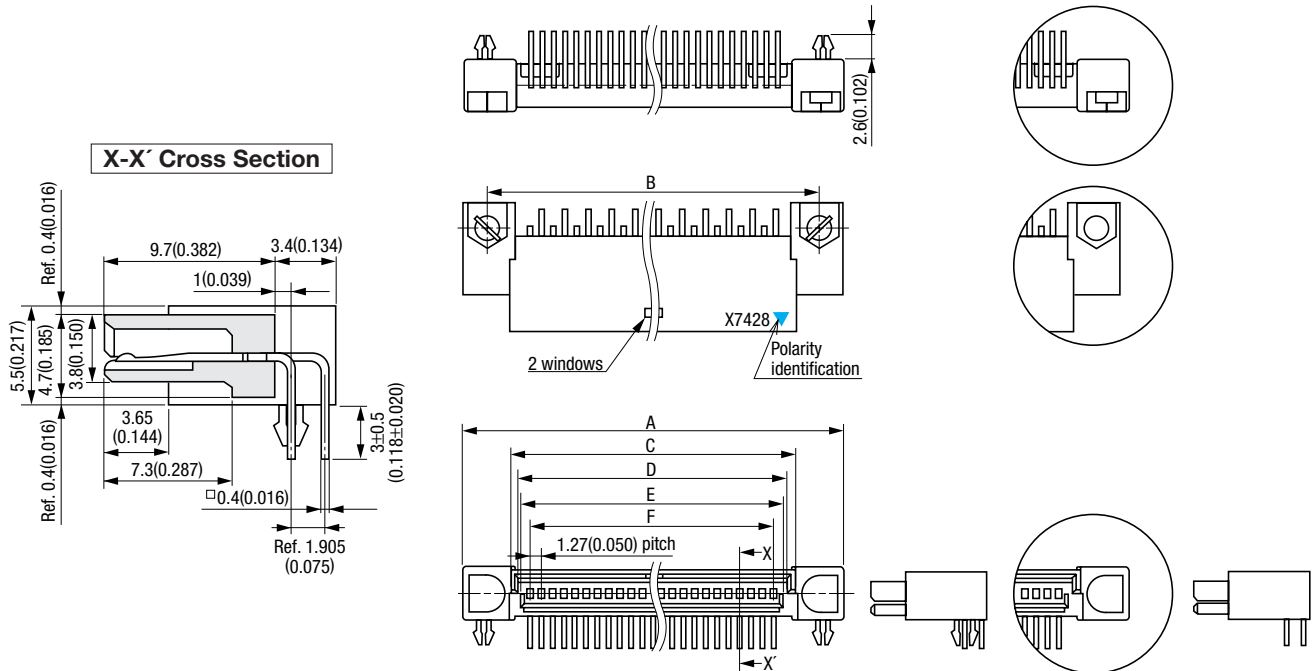
8810S-□□□-170L□-F (Plug, With flanges) / 8811S-□□□-170L□-F (Plug, With hooks)

Unit:mm(inch)

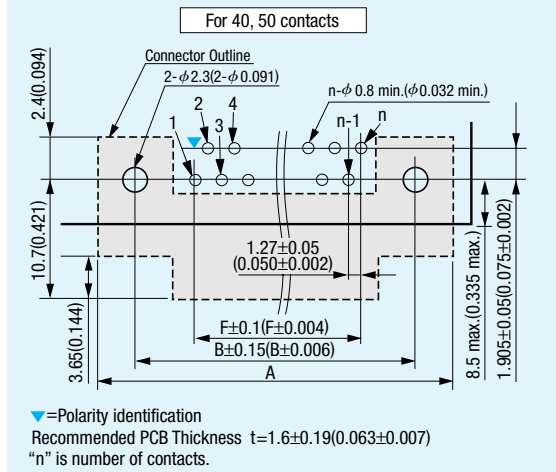


8811S-□□□-170L□-F

8810S-□□□-170L□-F



Printed Circuit Board Layout (Component Side View)



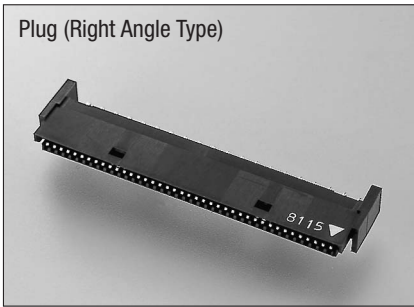
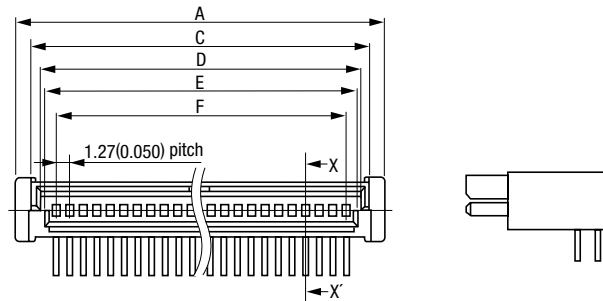
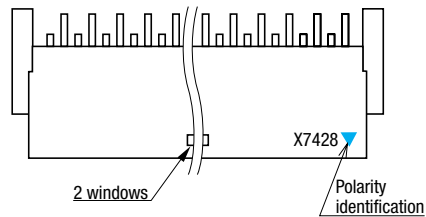
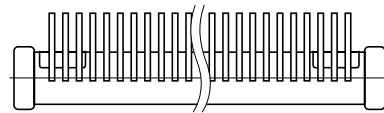
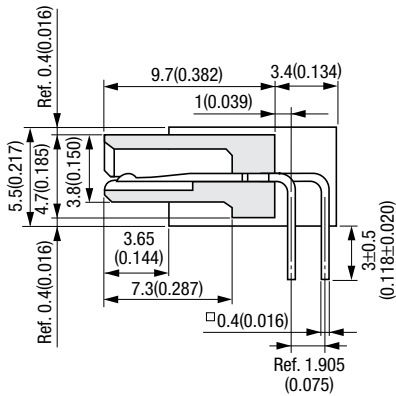
Product Table / Dimensions

No. of contacts	Part Number	A	B	C	D	E	F
40	8810S-040-170L□-F	63.53	58.42	53.53	51.93	51.63	49.53
	8811S-040-170L□-F	(2.501)	(2.300)	(2.107)	(2.044)	(2.033)	(1.950)
50	8810S-050-170L□-F	76.23	71.12	66.23	64.63	64.33	62.23
	8811S-050-170L□-F	(3.001)	(2.800)	(2.607)	(2.544)	(2.533)	(2.450)

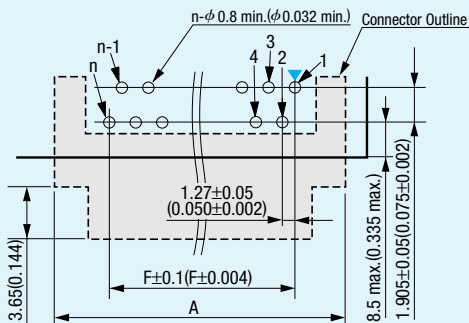
8812S-□□□-170L□-F (Plug, Without flanges)

Unit:mm(inch)

Plug (Right Angle Type)


X-X' Cross Section

Printed Circuit Board Layout (Component Side View)

For 40, 50 contacts



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

Schareggstrasse 3, CH-5506 Mägenwil
 Tel. +41 62 896 00 48, Fax. +41 62 896 25 80
 info@admaterc.ch, www.admaterc.ch

Product Table / Dimensions

No. of contacts	Part Number	A	C	D	E	F
40	8812S-040-170L□-F	55.93 (2.202)	53.53 (2.107)	51.93 (2.044)	51.63 (2.033)	49.53 (1.950)
50	8812S-050-170L□-F	68.63 (2.702)	66.23 (2.607)	64.63 (2.544)	64.33 (2.533)	62.23 (2.450)