# 1.27 mm Pitch Connectors

**1.27**mm Pitch

**Connectors**

# PCS series

## Outline

PCS series provides various 1.27 mm pitch smaller-sized high density interface connectors specifically designed for downsized electronic equipment.

## Features

- 20 - 96 contacts for board-to-cable connectors
- Results in substantial labor saving; IDC type connection is standard for cables. (AWG #28 or #30)
- Soldering type connectors available
- EMI-filtered design to meet FCC and other standards
- Backshell has a robust interface structure.
- Quick locking with metal latch
- Panel-to-cable connectors available
- Accessory is available for preventing connector misinsertion.
- 34 - 150 contacts for board-to-cable connectors.
- Even with many contacts, connectors can be easily inserted or extracted due to a low insertion force design.
- Drainage structure ensures cleaning solution does not remain in the housing during flux removal. (For molded type male connectors)

## Principal Applications

Office automation equipment, instrumentation equipment, communications equipment, factory automation, etc.

## Electrical Characteristics

| Rated voltage | 250V AC (r.m.s.) |
|---|---|
| Rated current | 1 A |
| Insulation resistance | Over 1000 megohms at 100V DC |
| Dielectric withstanding voltage | 750V AC (r.m.s.) for PCS series<br>500V AC (r.m.s.) for PCS-XE series |
| Contact resistance | 35 milliohms or less (not applicable to some products) |

## Document Disclaimer

■ When placing orders with us, minimum order quantities are set for every product.

■ Be sure to contact us before starting preliminary design of PCBs using our connectors.

■ The specifications and information shown in the catalog are subject to change without notice.

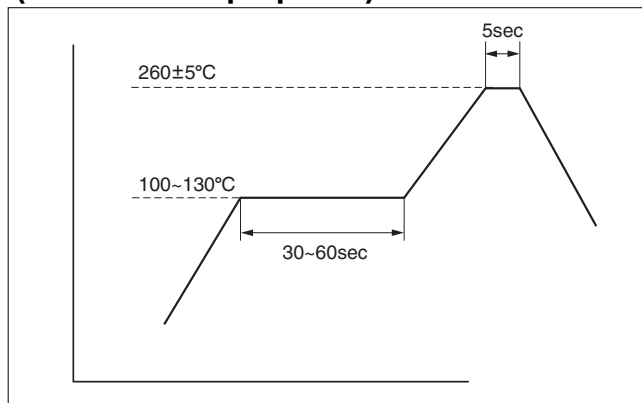## Reflow temperature profile (for reference purposes)
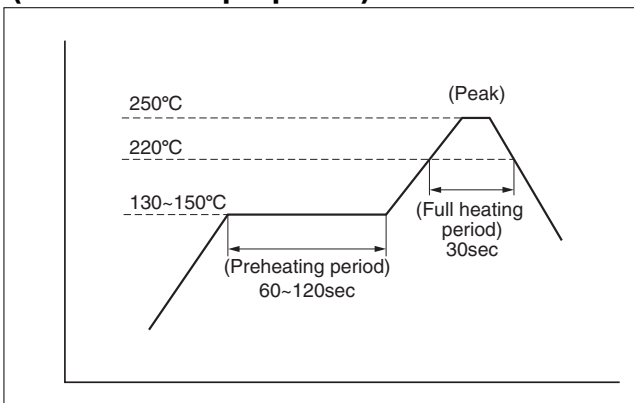


The reflow temperature profile shown in this drawing is for reference purposes. This profile depends on requirements such as reflow equipment, soldering paste, and PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own reflow temperature profile.

● **Applicable products**

PCS-XE(　)SLFYTU(　)+

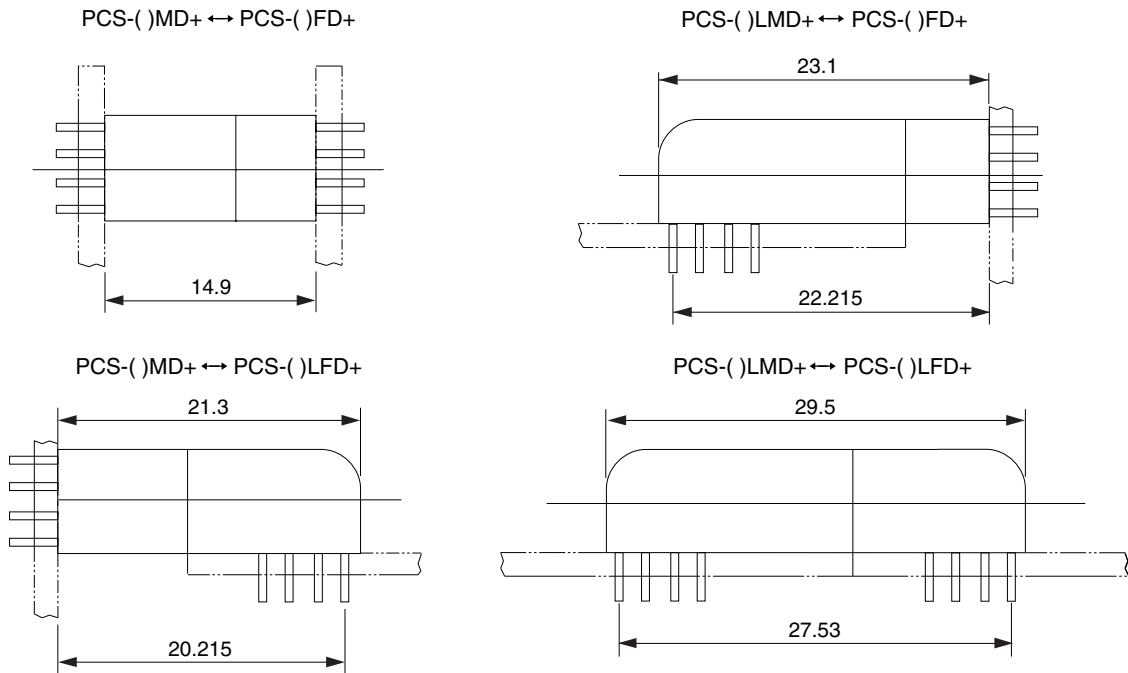## Flow temperature profile (for reference purposes)



The flow temperature profile as shown above is for reference purposes. This profile depends on requirements such as the PCB size. Thus, this profile may not meet with your specific situation. Please evaluate your PCB-mounting soldering and set your own flow temperature profile.

● **Applicable products**

PCS series through hole type connector

The profile shown in this drawing is applicable only for those products shown above.

# Dimensions of connector mounting for reference purposes

**Board-to-board connector dimensions for reference purposes**

PCS-( )MD+ ↔ PCS-( )FD+

14.9

PCS-( )LMD+ ↔ PCS-( )FD+

23.1

22.215

PCS-( )MD+ ↔ PCS-( )LFD+

21.3

20.215

PCS-( )LMD+ ↔ PCS-( )LFD+

29.5

27.53

**Board-to-cable connector dimensions for reference purposes (In the case of spring-locked type)**

10 or more

Panel thickness: t=1.6 mm MAX.

2.7

Edge of PCB

A
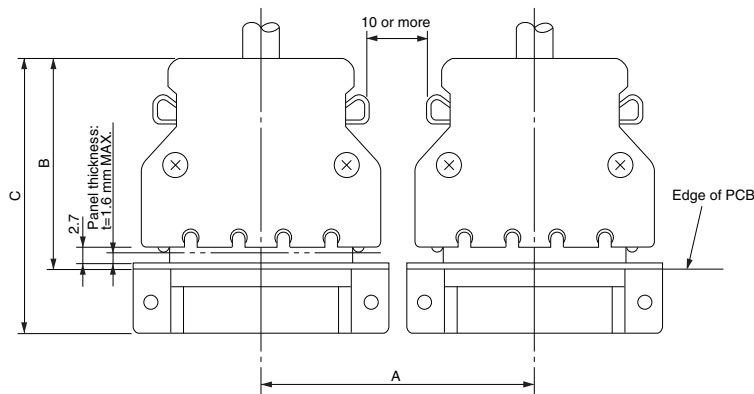
| Number of contacts | A | B | C |
|---|---|---|---|
| 20 | 35 or more | 35.5 or more | 46.2 or more |
| 28 | 40 or more | | |
| 36 | 45.1 or more | | |
| 50 | 54 or more | | |
| 68 | 65.4 or more | | |
| 80 | 73 or more | | |
| 96 | 83.2 or more | 40.5 or more | 51.2 or more |

# Panel mounting-hole dimensions for reference purposes

(In the case of PCS-E type)

R1.4

7.5

2.8

B

A

R1.4

15

7.5

2.8

C

B

A
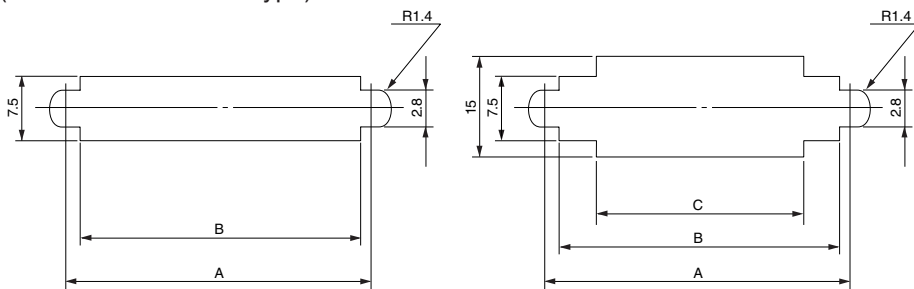
In the case of using a mating guide

| Number of contacts | A | B | C |
|---|---|---|---|
| 20 | 27.4 | 23.7 | 11.3 |
| 28 | 32.5 | 28.8 | 16.3 |
| 36 | 37.6 | 33.9 | 20.3 |
| 50 | 46.5 | 42.8 | 30.3 |
| 68 | 57.9 | 54.2 | 40.3 |
| 80 | 65.5 | 61.8 | 50.3 |
| 96 | 75.69 | 72.0 | — |

# Product List
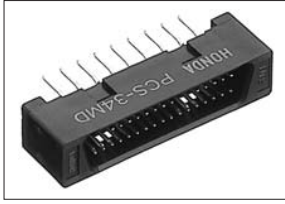


**Straight through hole type
male connector for PCB
PCS-( )MD+**

**B-10**
PCS series...8
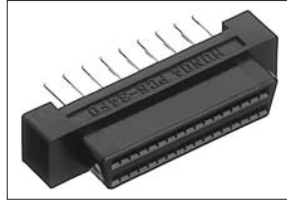


**Straight through hole type
female connector for PCB
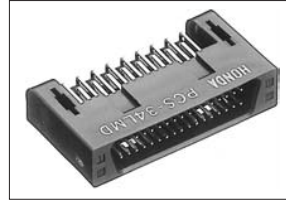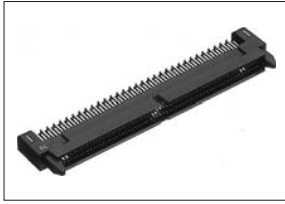PCS-( )FD+**

**B-11**
PCS series...9



**Right-angle through hole type
male connector for PCB
PCS-( )LMD+**

**B-12**
PCS series...10



**Right-angle through hole type
female connector for PCB
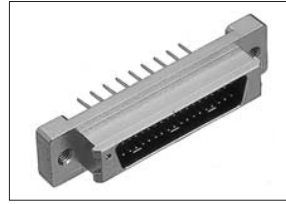PCS-( )LFD+**

**B-13**
PCS series...11



**Right-angle through hole type
male connector for PCB
PCS-128LMDT-GP+**
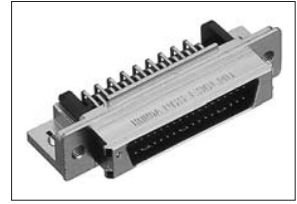
**B-14**
PCS series...12



**Right-angle through hole type
female connector for PCB
PCS-128LFDT-GP+**

**B-15**
PCS series...13



**Straight through hole type
male connector for PCB
PCS-E( )MD+**

**B-16**
PCS series...14



**Right-angle through hole type
male connector for PCB
PCS-E( )LMD+**
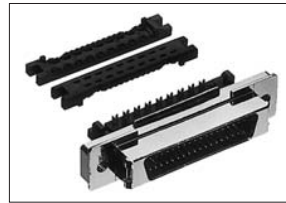
**B-17**
PCS series...15



**IDC type female connector
for cable
PCS-E( )F( )**

**B-18**
PCS series...16



**Soldering type female connector
for cable
PCS-E( )FS+**

**B-19**
PCS series...17



**IDC type male connector
for panel
PCS-E( )PM( )-( )**

**B-20**
PCS series...18



**IDC type male connector
for cable
PCS-D( )( )MA1( )+**

**B-21**
PCS series...19



**IDC type female connector
for cable
PCS-D68( )FA1( )+**

**B-22**
PCS series...20
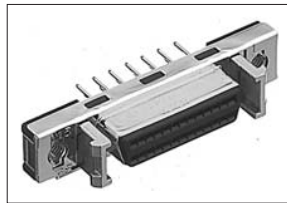


**Straight through hole type
female connector for PCB
PCS-XE( )SFD( )+**

**B-23**
PCS series...21



**Straight through hole type
female connector for PCB
PCS-XE( )SFD( )N+**

**B-24**
PCS series...22



**Right-angle through hole type
female connector for PCB
PCS-XE( )LFD( )( )+**

**B-25**
PCS series...23



**Right-angle through hole type
female connector for PCB
PCS-XE68LFDT( )N( )+**

**B-26**
PCS series...24



**Right-angle through hole type
female connector for PCB
PCS-XE100LFD( )-( )+**

**B-27**
PCS series...25



**Right-angle through hole type
female connector for PCB
PCS-XE( )SLFD( )+**

**B-28**
PCS series...26



**Right-angle through hole type
female connector for PCB
PCS-XE( )SLFDT( )+**

**B-29**
PCS series...27

**Right-angle through hole type female connector for PCB**
PCS-XE( )SLFD( )N+

**B-30**
PCS series...28

**Right-angle through hole type female connector for PCB**
PCS-XE( )SLFDT( )N+

**B-31**
PCS series...29

**Right-angle SMT type female connector for PCB**
PCS-XE( )SLFYTU( )+

**B-32**
PCS series...30

**Straight Press-in type female connector for PCB**
PCS-XE50SFP( )( )

**B-33**
PCS series...31

**IDC type male connector for cable**
PCS-XE( )M( )( )+

**B-34**
PCS series...32
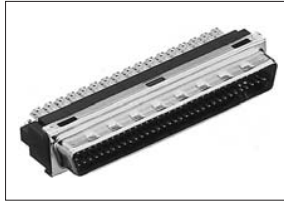
**Soldering type male connector for cable**
PCS-XES68MS+

**B-35**
PCS series...33

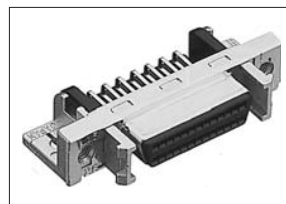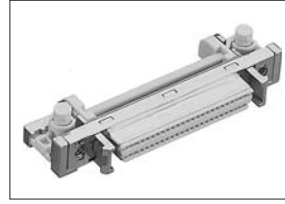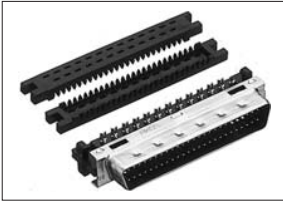**IDC type female connector for panel**
PCS-XE( )SPF( )( )( )

**B-37**
PCS series...35

**IDC type female connector for panel**
PCS-XED( )( )FA( )( )+

**B-38**
PCS series...36

**IDC type female connector for panel**
PCS-XED68( )FAUN( )+

**B-39**
PCS series...37

**EMI-filtered vertical type die-cast material backshell for standard cable**
PCS-E( )L( )
**B-40**
PCS series...38

**Mating guide structure vertical type die-cast material backshell for standard cable**
PCS-E( )LG( )
**B-42**
PCS series...40
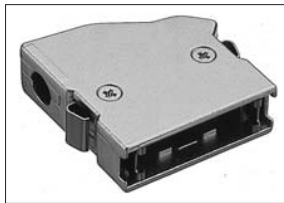
**Horizontal type die-cast material backshell for standard cable**
PCS-E( )W
**B-43**
PCS series...41

**Vertical type plastic backshell for flat cable**
PCS-E( )LT+

**B-44**
PCS series...42

**Vertical type die-cast material backshell for cable extension**
PCS-E( )PML( )
**B-45**
PCS series...43
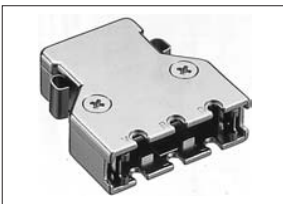
**Vertical type die-cast material backshell for standard cable with provision for preventing misinsertion**
PCS-E( )LP( )-( )+R
**B-46**
PCS series...44

**Vertical type die-cast material backshell for larger diameter cable with provision for preventing misinsertion**
PCS-E( )LKP( )-( )+R
**B-47**
PCS series...45

**Vertical type die-cast material backshell for larger diameter cable with mating guide for preventing misinsertion**
PCS-E96LKP( )-( )+R
**B-48**
PCS series...46
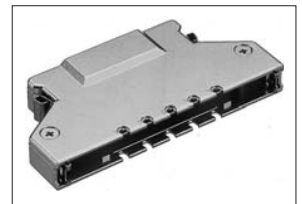
**Vertical type die-cast material backshell for larger diameter cable with provision for preventing misinsertion**
PCS-E96LKP1A-( )+R
**B-49**
PCS series...47
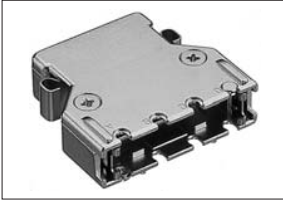
Vertical type die-cast material backshell
for standard cable with mating guide
for preventing misinsertion
PCS-E( )LGP( )-( )+R
**B-50**
PCS series...48
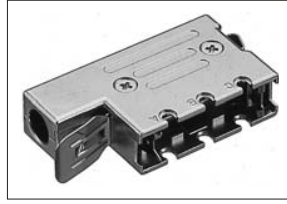


Horizontal type die-cast material backshell
for standard cable with provision
for preventing misinsertion
PCS-E( )WSP-( )+R
**B-51**
PCS series...49



Horizontal type die-cast material backshell
for larger diameter cable with provision
for preventing misinsertion
PCS-E( )WKP( )-( )+R
**B-52**
PCS series...50



Horizontal type die-cast material backshell
for larger diameter cable with provision
for preventing misinsertion
PCS-E96WKP( )-( )+R
**B-53**
PCS series...51
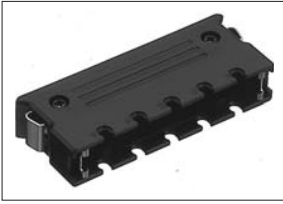


Vertical type die-cast material backshell
for flat cable with provision
for preventing misinsertion
PCS-E( )LTP-( )+R
**B-54**
PCS series...52



Vertical type
die-cast material backshell
for larger diameter cable
PCS-E68LKAU2N
**B-55**
PCS series...53



Vertical type
over-molded backshell
PCS-XEM( )DL( )( )N
**B-56**
PCS series...54



Vertical type
over-molded backshell
PCS-XEM100L( )( )
**B-57**
PCS series...55
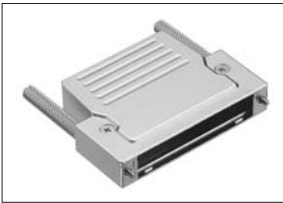


Vertical type
die-cast material backshell
for daisy chain connection
PCS-SE68LDAU2N
**B-58**
PCS series...56



1.6 mm panel-thickness mating
guide
PCS-E( )G

**B-62**
PCS series...60



1.0 mm panel-thickness mating
guide
PCS-E( )G1

**B-63**
PCS series...61



Metallic mating guide
PCS-E( )G3( )

**B-64**
PCS series...62



Key rivet for preventing
misinsertion
PCS-E-PK+R

**B-66**
PCS series...64
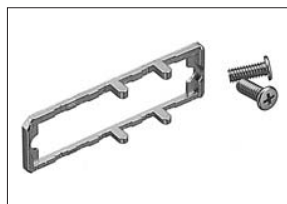


Misinsertion prevention guide
PCS-E( )PG-( )

**B-67**
PCS series...65



Misinsertion prevention guide
PCS-E96PG-( )

**B-68**
PCS series...66
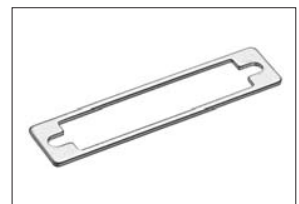


Spacer hardware for male
connector
PCS-E( )M-SP

**B-69**
PCS series...67

**Screw lock**
**PCS-XE50SJ( )U2**

**B-70**
PCS series...68

# Straight through hole type male connector for PCB
# PCS-( )MD+

RoHS



● **Configuration of product Part No.**

**PCS- ( ) MD+**
　　① ② ③

① Series name
② No. of contacts: 34, 48, 68, 96 or 150
③ Type of connector
　　MD: Straight through hole type, male



**Recommended PCB layout
(Connector side)**
**t = 1.6 mm**

**For 34-contact connector**

**Form of connectors other than
96-contact connector**

**For 34-contact connector**

● **Components**

| ① | Contacts |
| ② | Insulator |

Because some combinations of "Configurations of
Product Part No.", are under consideration for
development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| PCS-34MD+ | 31.63 | 20.32 | 24.69 |
| PCS-48MD+ | 40.52 | 29.21 | 33.58 |
| PCS-68MD+ | 53.22 | 41.91 | 46.28 |
| PCS-96MD+ | 71.0 | 59.69 | 64.06 |
| PCS-150MD+ | 105.29 | 93.98 | 98.35 |

**Mating connectors:** PCS series PCB-side through hole type female connector

**Accessories:** Dust-proof cap, PCS-( )C

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |

# Straight through hole type female connector for PCB
# PCS-( )FD+

RoHS

● **Configuration of product Part No.**

**PCS- ( ) FD+**
   ①  ②  ③

① Series name
② No. of contacts: 34, 48, 68, 96 or 150
③ Type of connector
   FD: Straight through hole type, female





**For 34-contact connector**

**For 34-contact connector**

**Recommended PCB layout
(Connector side)**

**t = 1.6 mm**

● **Components**

| | |
|---|---|
| ① | Insulator |
| ② | Contact |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| **PCS-34FD+** | 31.63 | 20.32 | 24.49 |
| **PCS-48FD+** | 40.52 | 29.21 | 33.38 |
| **PCS-68FD+** | 53.22 | 41.91 | 46.08 |
| **PCS-96FD+** | 71.0 | 59.69 | 63.86 |
| **PCS-150FD+** | 105.29 | 93.98 | 98.15 |
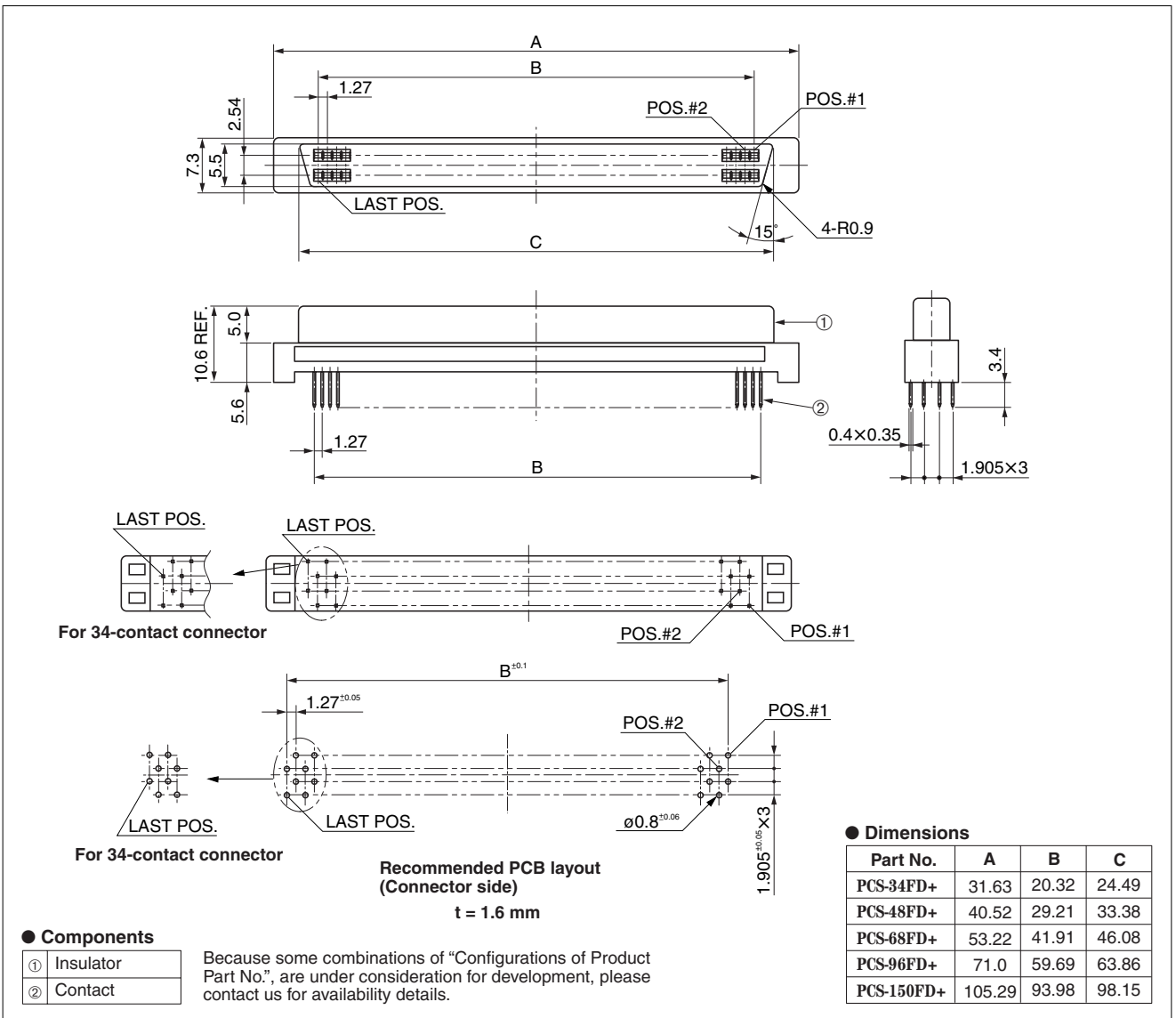
**Mating connectors:** PCS series straight through hole type male connector for PCB (Stacked height: 14.9 mm)

PCS series right-angle through hole type male connector for PCB

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# Right-angle through hole type male connector for PCB
# PCS-( )LMD+

RoHS

● **Configuration of product Part No.**

## PCS- ( ) LMD+
　　① 　② 　③

① Series name
② No. of contacts: 34, 48, 68 or 96
③ Type of connector
　LMD: Right-angle through hole type, male



For 34-contact connector

For 34-contact connector

**Recommended PCB layout
(Connector side)**
**t = 1.6 mm**

Board-edge

ø0.8$^{±0.06}$

1.27$^{±0.05}$

B$^{±0.1}$

1.905$^{±0.05}$×3

(10.5MAX)

● **Components**

| | |
|---|---|
| ① | Insulator |
| ② | Contacts |
| ③ | Bracket |
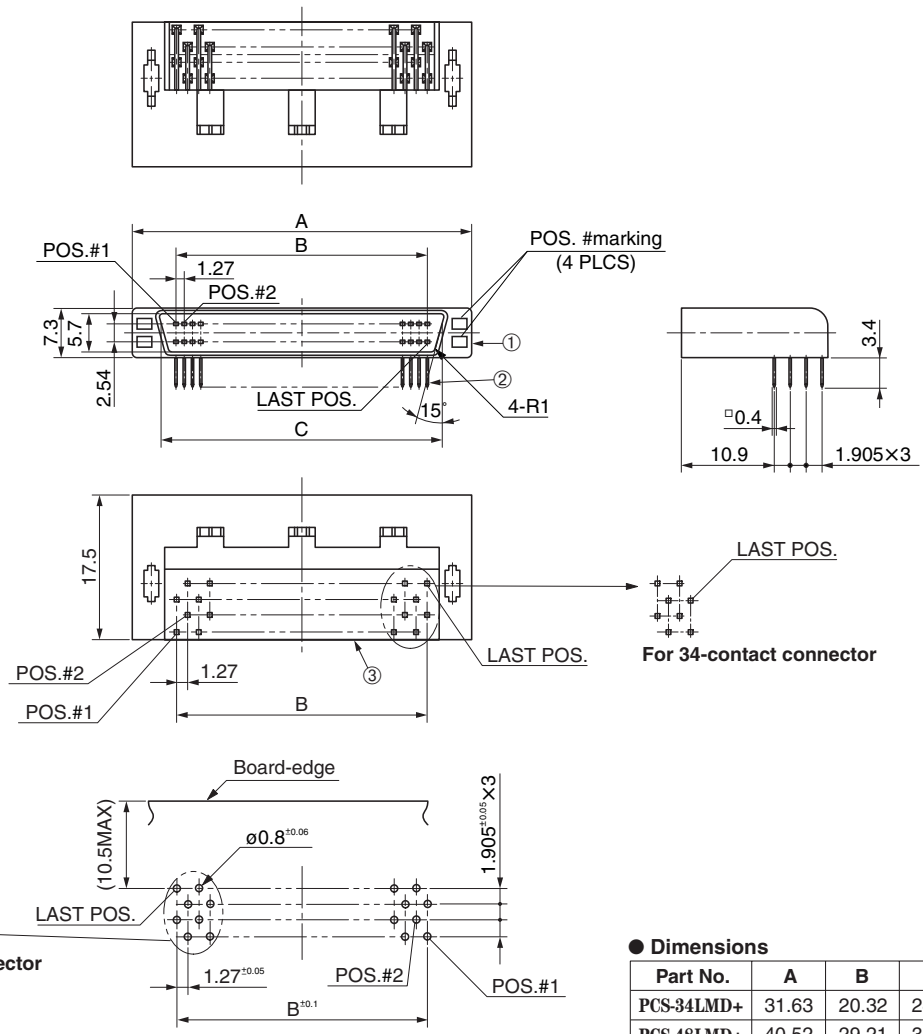
● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| **PCS-34LMD+** | 31.63 | 20.32 | 24.69 |
| **PCS-48LMD+** | 40.52 | 29.21 | 33.58 |
| **PCS-68LMD+** | 53.22 | 41.91 | 46.28 |
| **PCS-96LMD+** | 71.0 | 59.69 | 64.06 |

**Mating connectors:** PCS series straight through hole type female connector for PCB
　　　　　　　　　　PCS series right-angle through hole type female connector for PCB

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

**1.27 mm pitch connector**

# Right-angle through hole type female connector for PCB
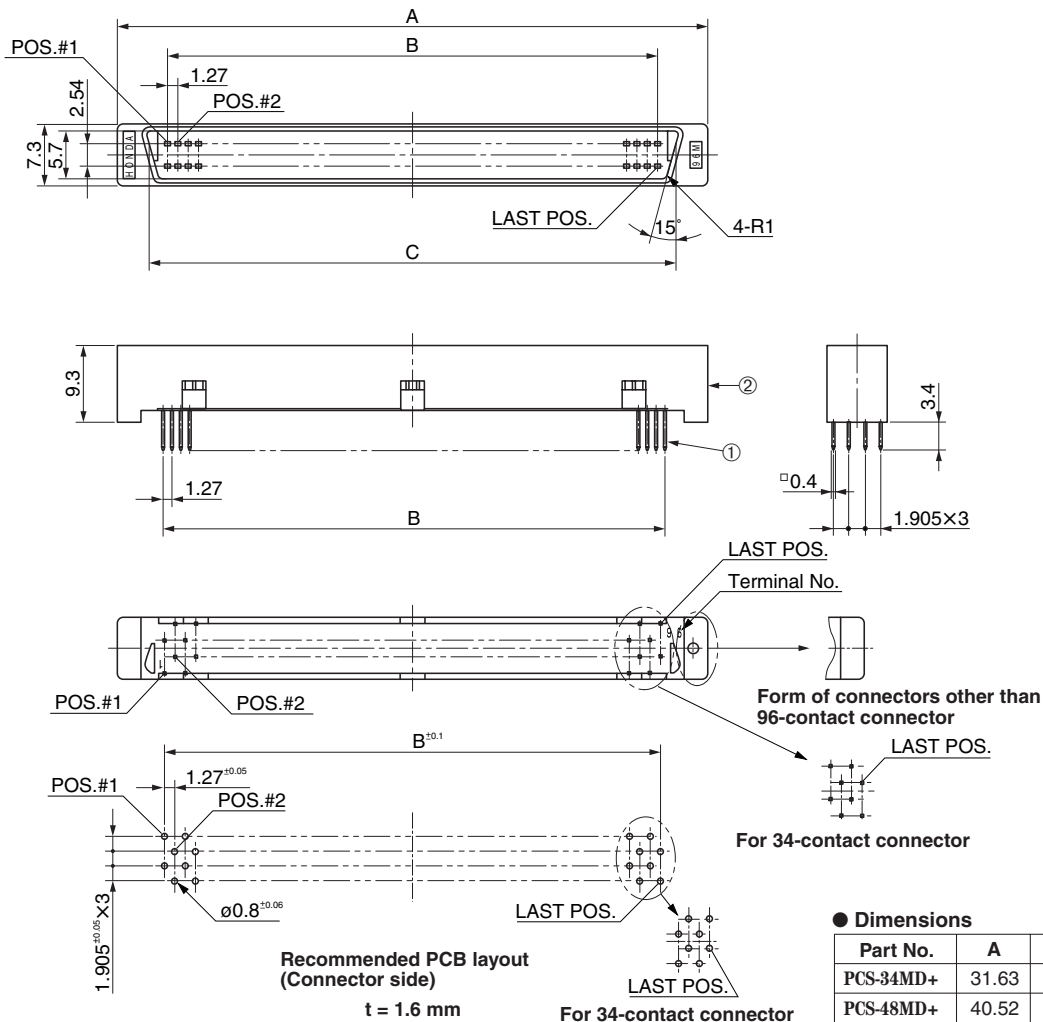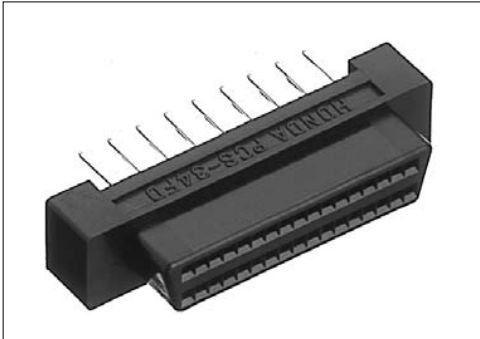# PCS-( )LFD+

**For PCB**

**Right-angle Through hole**

RoHS

## ● Configuration of product Part No.

**PCS-( )LFD+**
  ①    ②   ③

① Series name
② No. of contacts: 34, 48, 68 or 96
③ Type of connector
   LFD: Right-angle through hole type, female



A

B

1.27

POS.#2

POS.#1

2.54

7.3

5.5

LAST POS.

C

15°

4-R0.9

①

②

3.4

0.35×4

5.2

1.905×3

5.0

17.0

LAST POS.

**For 34-contact connector**

1.27

POS.#2

POS.#1

③

LAST POS.

B

LAST POS.

**For 34-contact connector**

Board-edge

LAST POS.

(4.8MAX.)

POS.#2

POS.#1

1.27±0.05

ø0.8±0.06

B±0.1

1.905±0.05×3

**Recommended PCB layout**
**(Connector side)**
**t = 1.6 mm**

## ● Components

| ① | Insulator |
| ② | Contacts |
| ③ | Bracket |

## ● Dimensions

| Part No. | A | B | C |
|----------|-------|-------|-------|
| PCS-34LFD+ | 31.63 | 20.32 | 24.49 |
| PCS-48LFD+ | 40.52 | 29.21 | 33.38 |
| PCS-68LFD+ | 53.22 | 41.91 | 46.08 |
| PCS-96LFD+ | 71.0 | 59.69 | 63.86 |

**Mating connectors:** PCS series straight through hole type male connector for PCB
PCS series right-angle through hole type male connector for PCB

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |

# Right-angle through hole type male connector for PCB
# PCS-128LMDT-GP+

RoHS
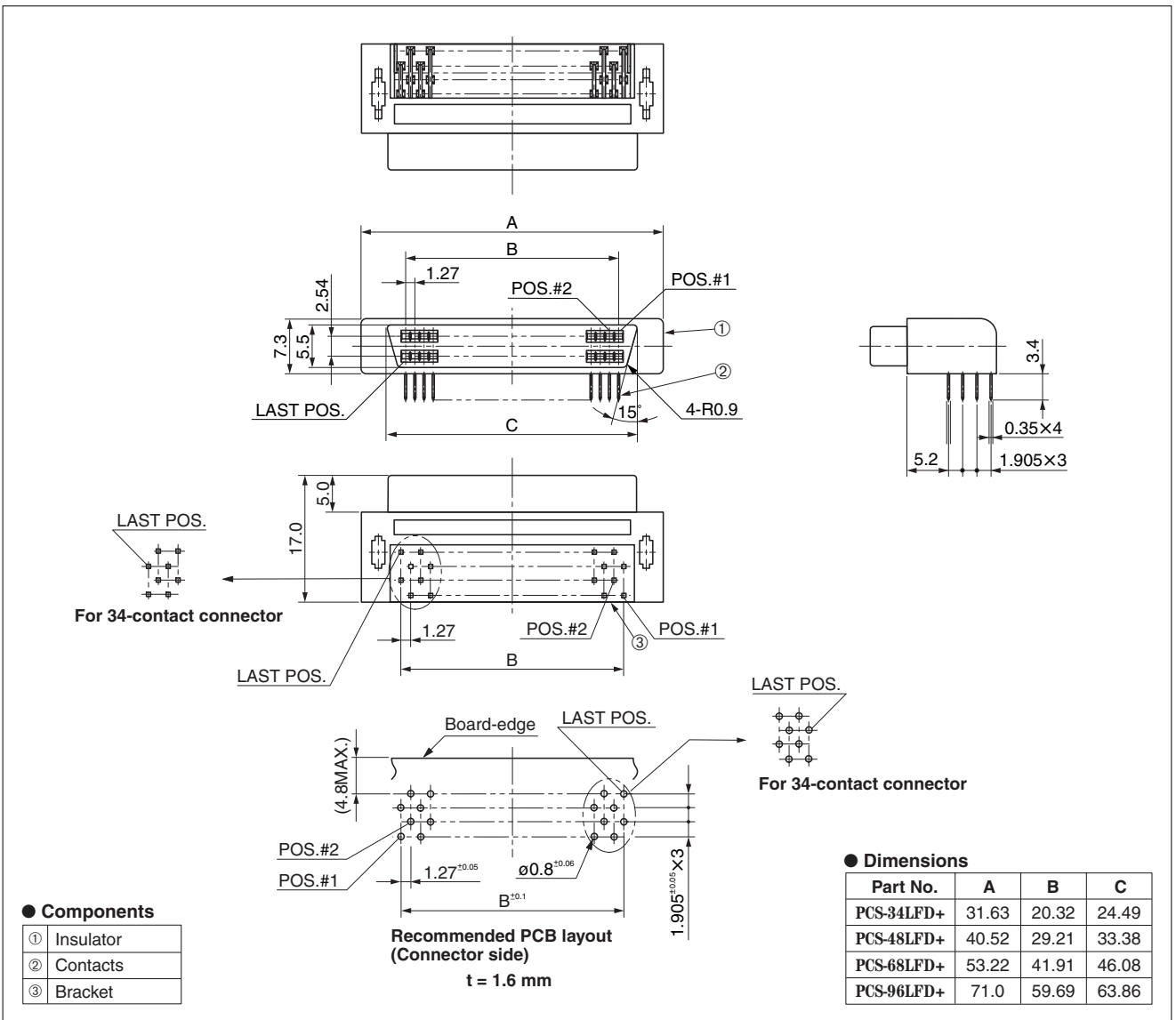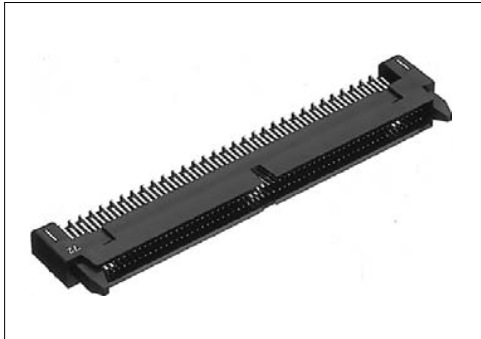
● **Configuration of product Part No.**

**PCS- 128 LMD T- GP+**
　　①　 ②　 ③　 ④　 ⑤

① Series name
② No. of contacts: 128
③ Type of connector
　 LMD: Right-angle through hole type, male
④ Lock pin
⑤ Mating guide
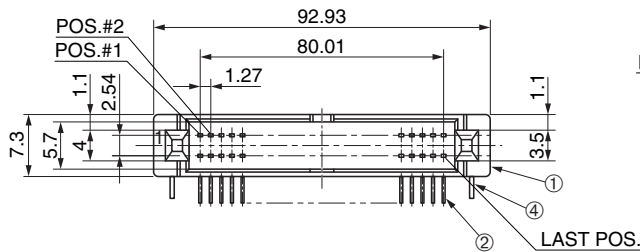




**Recommended PCB layout
(Connector side)**
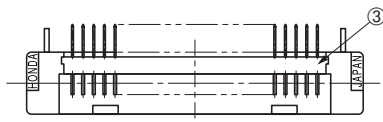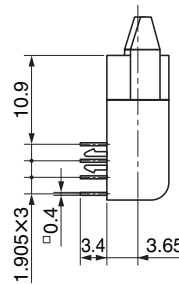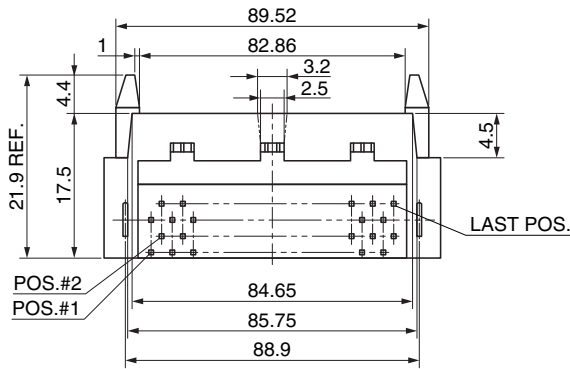
**t = 1.6 mm**

● **Components**

| | |
|---|---|
| ① | Insulator |
| ② | Contacts |
| ③ | Bracket |
| ④ | Lock pin |

**Mating connectors:** PCS-128LFDT-GP+

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Right-angle through hole type female connector for PCB
# PCS-128LFDT-GP+

RoHS

● **Configuration of product Part No.**

**PCS- 128 LFD T- GP+**
　　①　②　③　④　⑤

① Series name
② No. of contacts: 128
③ Type of connector
　LFD: Right-angle through hole type, female
④ Lock pin
⑤ Mating guide
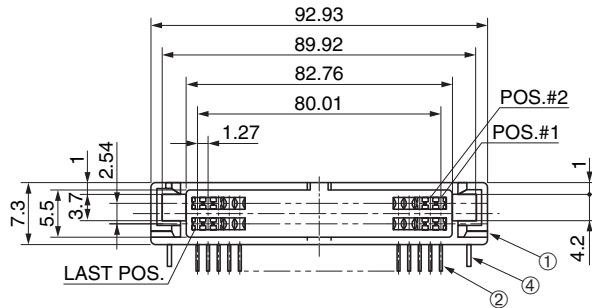


92.93
89.92
82.76
80.01
1.27
POS.#2
POS.#1
1
2.54
1
7.3
5.5
3.7
4.2
LAST POS.
①
②
④

2-ø2.3±0.1
LAST POS.
POS.#2
(4.7 MAX.)
1.905±0.05×3
POS.#1
80.01±0.1
88.9±0.1
ø0.8±0.06

**Recommended PCB layout**
**(Connector side)**
**t = 1.6 mm**

86.75
84.85
2.3
5
4.5
17
LAST POS.
88.9
POS.#2
POS.#1

5.2
1.905×3
0.35×0.4
3.4
3.65

HONDA
JAPAN
③

● **Components**

| | |
|---|---|
| ① | Insulator |
| ② | Contacts |
| ③ | Bracket |
| ④ | Lock pin |

**Mating connectors:** PCS-128LMDT-GP+

# Straight through hole type male connector for PCB
# PCS-E( )MD+

RoHS
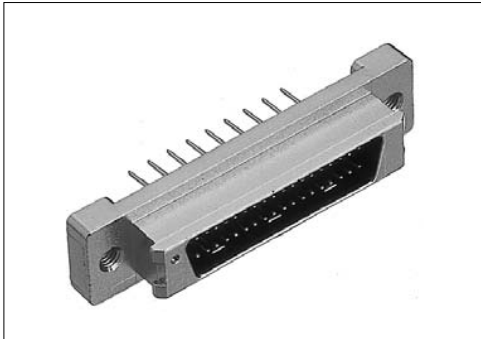
● **Configuration of product Part No.**

## PCS-E ( ) MD+
　　　① 　②　③

① Series name
② No. of contacts: 20, 28, 36, 50
③ Type of connector
　MD: Straight through hole type, male
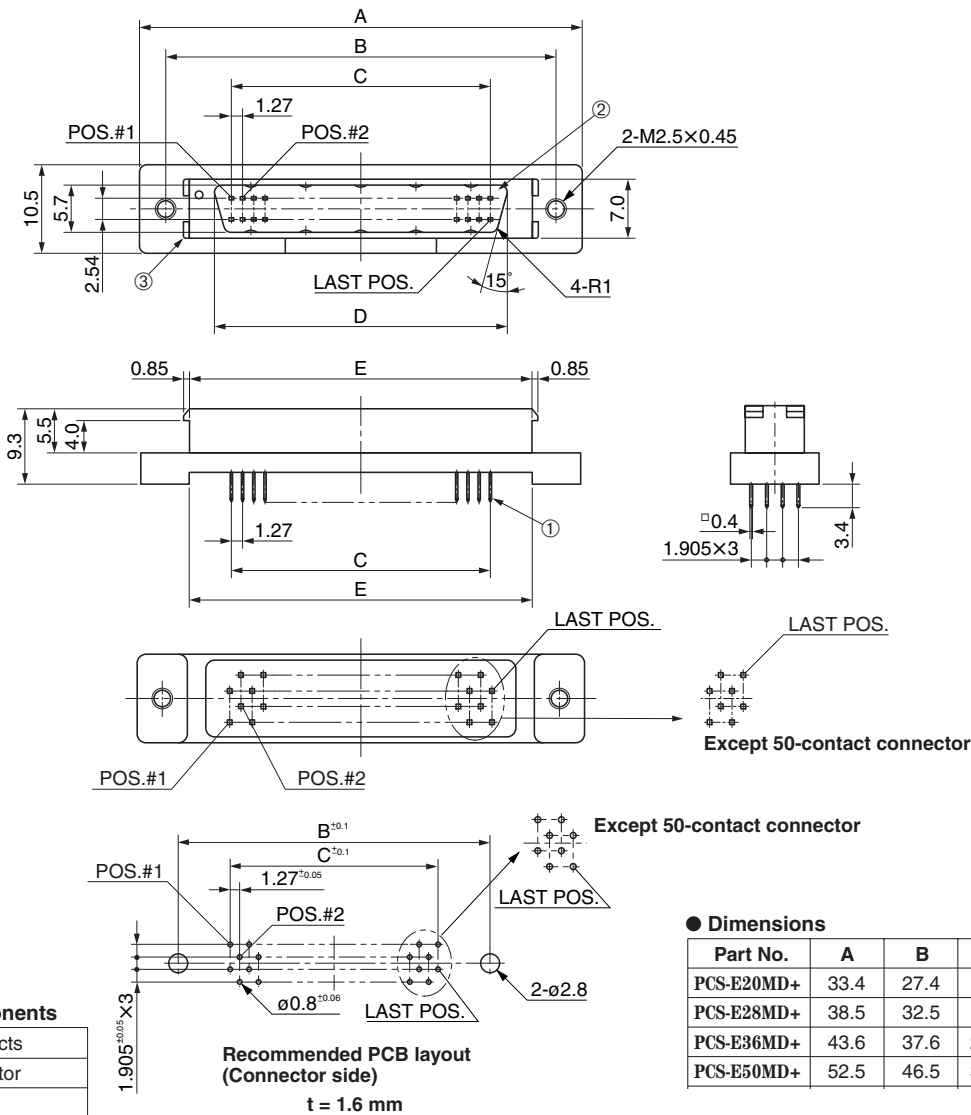


2-M2.5×0.45

4-R1

15°

2-ø2.8

ø0.8±0.06

**Except 50-contact connector**

**Except 50-contact connector**

**Recommended PCB layout
(Connector side)
t = 1.6 mm**

● **Components**

| ① | Contacts |
| ② | Insulator |
| ③ | Shell |

● **Dimensions**

| Part No. | A | B | C | D | E |
|---|---|---|---|---|---|
| PCS-E20MD+ | 33.4 | 27.4 | 11.43 | 15.8 | 21.6 |
| PCS-E28MD+ | 38.5 | 32.5 | 16.51 | 20.88 | 26.7 |
| PCS-E36MD+ | 43.6 | 37.6 | 21.59 | 25.96 | 31.8 |
| PCS-E50MD+ | 52.5 | 46.5 | 30.48 | 34.85 | 40.7 |

**Mating connectors:** PCS-E series cable-side IDC type female connector
　　　　　　　　　　PCS-E series cable-side soldering type female connector

**Accessories:** Dust-proof cap, PCS-( )C( )

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |

**1.27 mm pitch connector**

# Right-angle through hole type male connector for PCB
# PCS-E( )LMD+

**For PCB**

**Right-angle Through hole**

RoHS
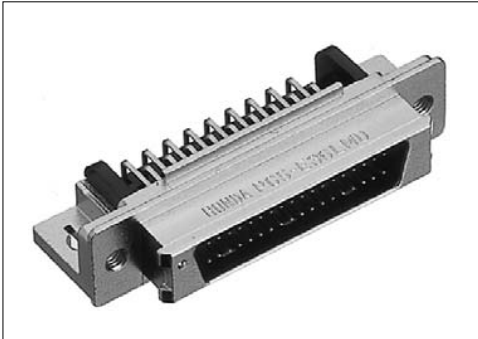
● **Configuration of product Part No.**

## PCS-E ( ) LMD+
①　②　③

① Series name
② No. of contacts: 20, 28, 36, 50, 68, 80 or 96
③ Type of connector
　LMD: Right-angle through hole type, male
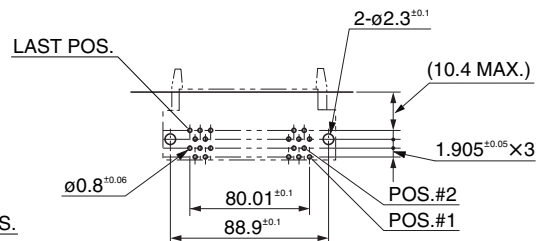


**Recommended PCB layout
(Connector side)**

**t = 1.6 mm**

● **Components**

| ① | Shell |
| ② | Insulator |
| ③ | Contacts |
| ④ | Bracket |

**Except 50-contact connector**

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-E20LMD+ | 33.4 | 27.4 | 11.43 | 15.8 | 21.6 | 20.23 |
| PCS-E28LMD+ | 38.5 | 32.5 | 16.51 | 20.88 | 26.7 | 25.31 |
| PCS-E36LMD+ | 43.6 | 37.6 | 21.59 | 25.96 | 31.8 | 30.39 |
| PCS-E50LMD+ | 52.5 | 46.5 | 30.48 | 34.85 | 40.7 | 39.28 |
| PCS-E68LMD+ | 63.9 | 57.9 | 41.91 | 46.28 | 52.1 | 50.71 |
| PCS-E80LMD+ | 71.5 | 65.5 | 49.53 | 53.9 | 59.7 | 58.33 |
| PCS-E96LMD+ | 81.7 | 75.69 | 59.69 | 64.06 | 69.9 | 68.49 |

**Mating connectors:** PCS-E series cable-side IDC type female connector
　　　　　　　　　　　PCS-E series cable-side soldering type female connector

**Accessories:** Dust-proof cap, PCS-( )C( )

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |

**HONDA TSUSHIN KOGYO CO., LTD.**

# IDC type female connector for cable
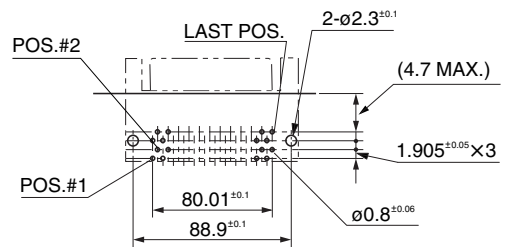# PCS-E( )F( )

**1.27 mm pitch connector**

**For cable**

**IDC (1.2 mm)**

RoHS

● **Configuration of product Part No.**

**PCS-E ( ) F ( )**
　　　① 　② ③ ④

① Series name
② No. of contacts: 20, 28, 36, 50, 68, 80 or 96
③ Type of contact: Female
④ Cable sizes for reference purposes (In case the cable sheath is made of PVC resin)
　Blank : AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is 0.8−1.0 mm. For discrete wire.
　A : AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insuration is 0.5−0.65 mm. For discrete wire.
　B : AWG#30(7 / 0.1). Outside diameter of wire is 0.5−0.65 mm. For discrete wire.
　C : AWG#28(7 / 0.127) For flat cable
　D : AWG#30(7 / 0.1) For flat cable  (See Note #1)



POS.#2　POS.#1

1.27

5.5　2.54　7.3

LAST POS.

15°

A　B　C

③

5　13.2

1.27　B

②

LAST POS.

①

POS.#2　POS.#1

④

**Note 1: This 96-contact connector is not available for flat cable.**

⑤

**Cable cover for discrete wire**

⑤

**Cable cover for flat cable**

● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Spacer |
| ③ | Shell |
| ④ | Insulator |
| ⑤ | Cable cover |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| PCS-E20F( ) | 21.65 | 11.43 | 15.4 |
| PCS-E28F( ) | 26.7 | 16.51 | 20.48 |
| PCS-E36F( ) | 31.8 | 21.59 | 25.56 |
| PCS-E50F( ) | 40.7 | 30.48 | 34.45 |
| PCS-E68F( ) | 52.1 | 41.91 | 45.88 |
| PCS-E80F( ) | 59.7 | 49.53 | 53.5 |
| PCS-E96F( ) | 69.9 | 59.69 | 63.66 |

**Mating connectors:** PCS-E series through hole type male connector for PCB
　　　　　　　　PCS-E series IDC type male connector for panel

**Tool:** (Refer to page Tool-11)

Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others

# Soldering type female connector for cable
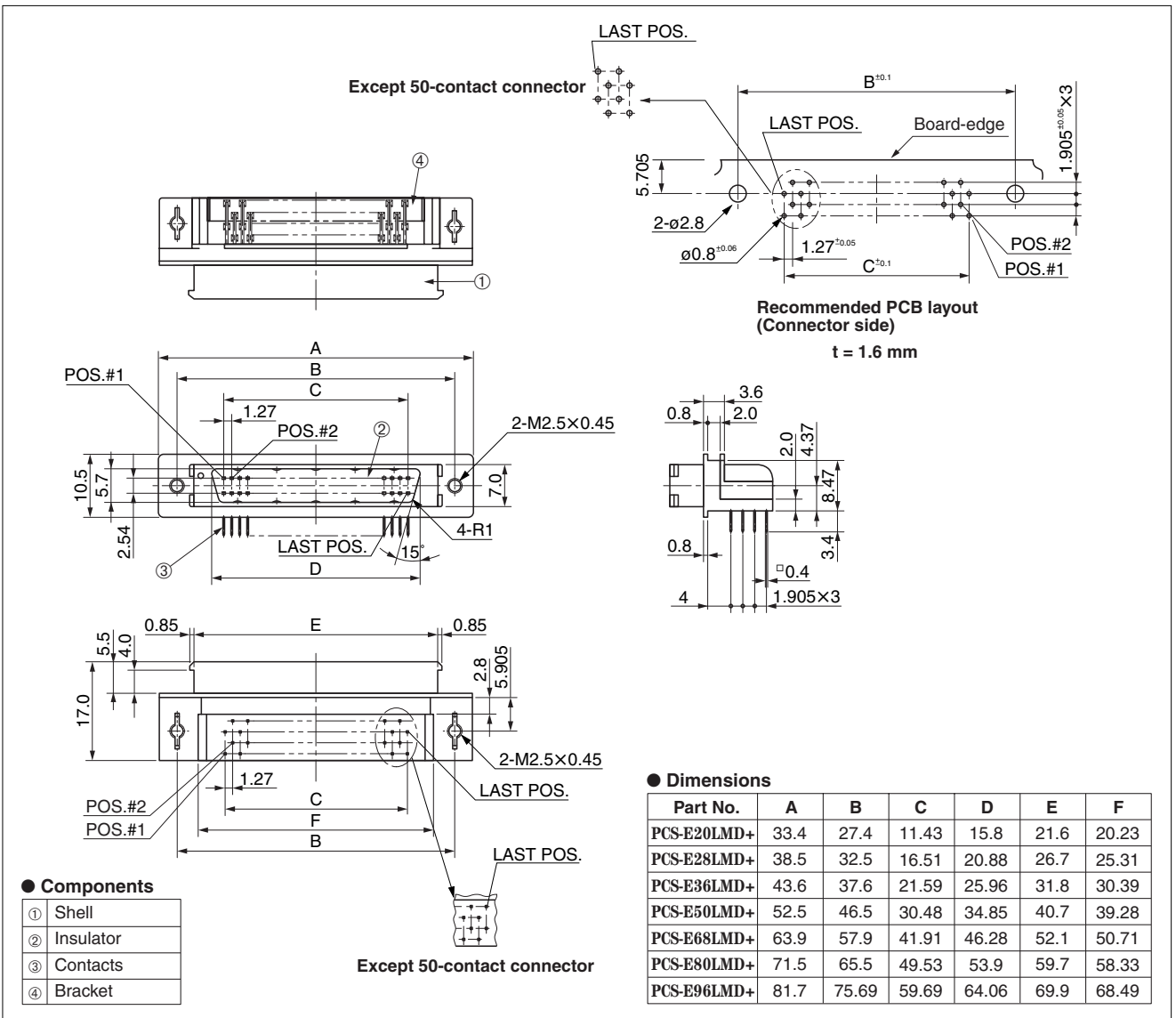# PCS-E( )FS+

RoHS

● **Configuration of product Part No.**

**PCS-E ( ) FS+**
 ①    ②   ③

① Series name
② No. of contacts: 20, 28, 36, 50 or 68
③ Type of contact: Soldering type, female
   Cable sizes for reference purposes
   FS: AWG#20 MAX.
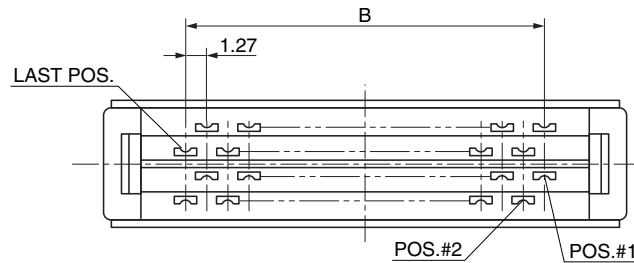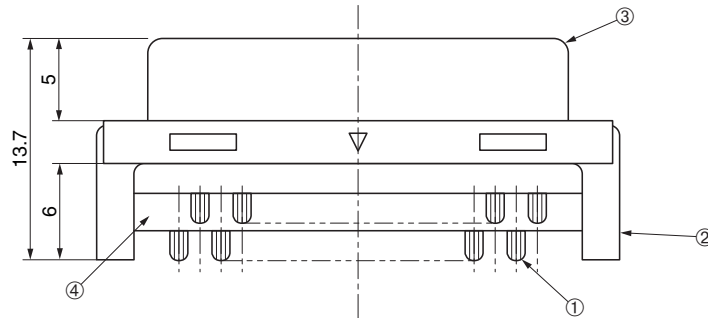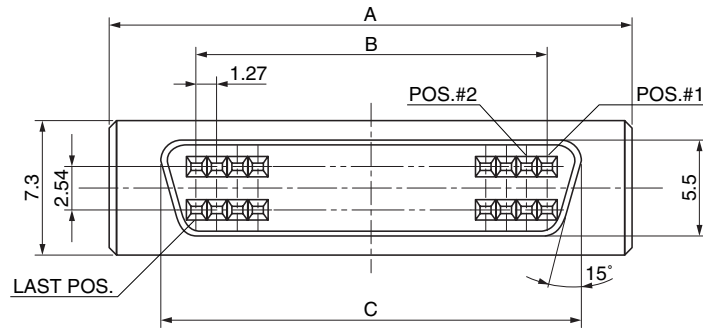
● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Insulator |
| ③ | Shell |
| ④ | Spacer |

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| PCS-E20FS+ | 21.65 | 11.43 | 15.4 |
| PCS-E28FS+ | 26.7 | 16.51 | 20.48 |
| PCS-E36FS+ | 31.8 | 21.59 | 25.56 |
| PCS-E50FS+ | 40.7 | 30.48 | 34.45 |
| PCS-E68FS+ | 52.1 | 41.91 | 45.88 |

**Mating connectors:** PCS-E series through hole type male connector for PCB
PCS-E series IDC type male connector for panel

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# IDC type male connector for panel
## PCS-E( )PM( )-( )

RoHS
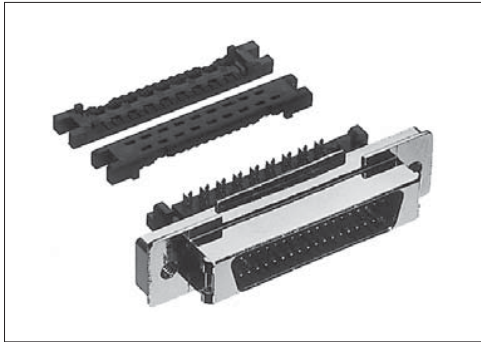
● **Configuration of product Part No.**

## PCS-E ( ) P M ( )- ( )
①     ② ③ ④ ⑤   ⑥

① Series name
② No. of contacts: 20, 28, 36, 50
③ For panel
④ Type of contact: Male
⑤ Cable sizes for reference purposes (In case the cable insulation is made of PVC resin)
   Blank: AWG#28(7 / 0.127). AWG#30(1 / 0.245). For flat cables
   A   : AWG#28(7 / 0.127). AWG#30(1 / 0.245). Outside diameter of insulation is
         0.8−1.0 mm. For discrete wire.
   B   : AWG#30(7 / 0.1). For flat cables.
   C   : AWG#28(7 / 0.127) flat cable. AWG#30(1 / 0.245). Outside diameter of
         insulation is 0.5−0.65 mm. For discrete wire.
   D   : AWG#30(7 / 0.1). Outside diameter of wire is 0.5−0.65 mm. For discrete wire.
⑥ Holes on mounting flange
   Blank: M2.5×0.45
   H   : Diameter of hole: 2.7 mm (The connector is mounted on the Die-cast
         material vertical backshell of PCS-E( )PML( ).)
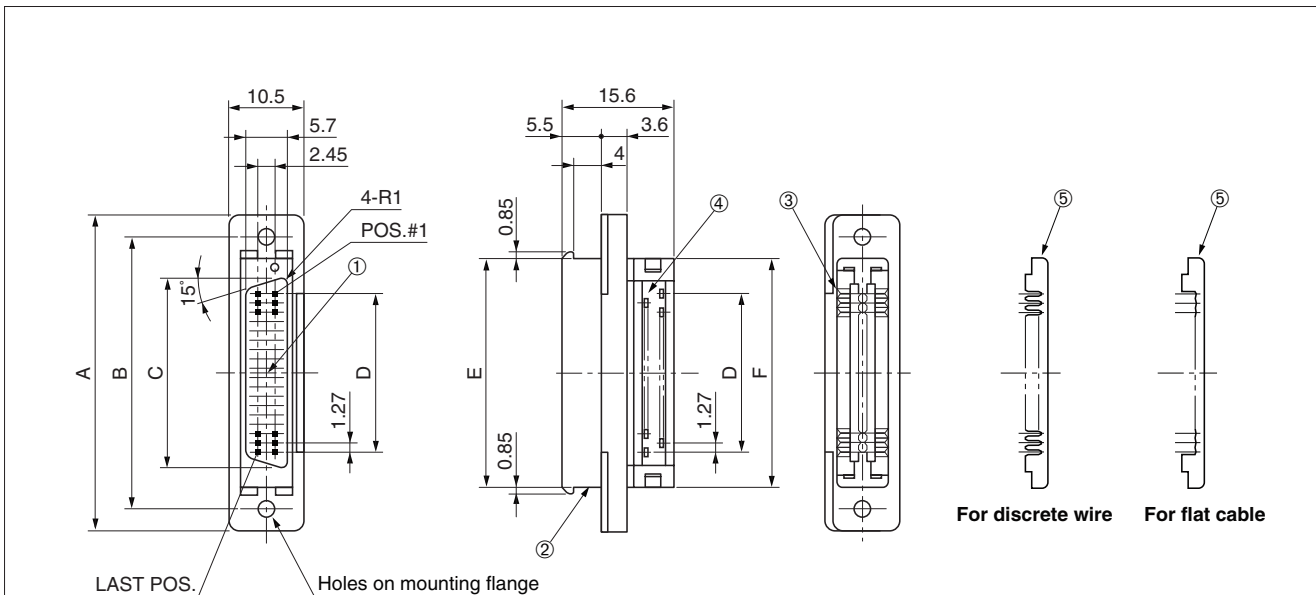


**This figure shows 36-contact connector as a typical example.**

For discrete wire    For flat cable

● **Components**

| ① | Insulator |
|---|---|
| ② | Shell |
| ③ | Contacts |
| ④ | Spacer |
| ⑤ | Cable cover |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-E20PM( ) | 33.4 | 27.4 | 15.8 | 11.43 | 21.6 | 21.65 |
| PCS-E28PM( ) | 38.5 | 32.5 | 20.88 | 16.51 | 26.7 | 26.7 |
| PCS-E36PM( ),-H | 43.6 | 37.6 | 25.96 | 21.59 | 31.8 | 31.8 |
| PCS-E50PM( ) | 52.5 | 46.5 | 34.85 | 30.48 | 40.7 | 40.7 |

**Mating connectors:** PCS-E series cable-side soldering type female connector
PCS-E series cable-side IDC type female connector

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# IDC type male connector for cable
## PCS-D( )( )MA1( )+

RoHS

● **Configuration of product Part No.**

**PCS-D ( ) ( ) M A 1 ( )+**
    ①  ②  ③  ④⑤   ⑥

① Series name
② No. of contacts: 50 or 68
③ Strain relief
  Blank: Not provided
  R   : Provided
④ Type of contact: Male
⑤ Cable size
  A: AWG#30 (7 / 0.1) For flat cable

⑥ Contact plating
  Blank: Min. 0.2 μm Gold plating
  G1  : Min. 0.76 μm Gold plating



● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Insulator |
| ③ | Cable housing A |
| ④ | Cable housing B |
| ⑤ | Strain relief |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C | D | E |
|---|---|---|---|---|---|
| **PCS-D50( )MA1( )+** | 40.13 | 30.48 | 34.85 | 36.8 | 31.115 |
| **PCS-D68( )MA1( )+** | 51.56 | 41.91 | 46.28 | 48.23 | 42.545 |
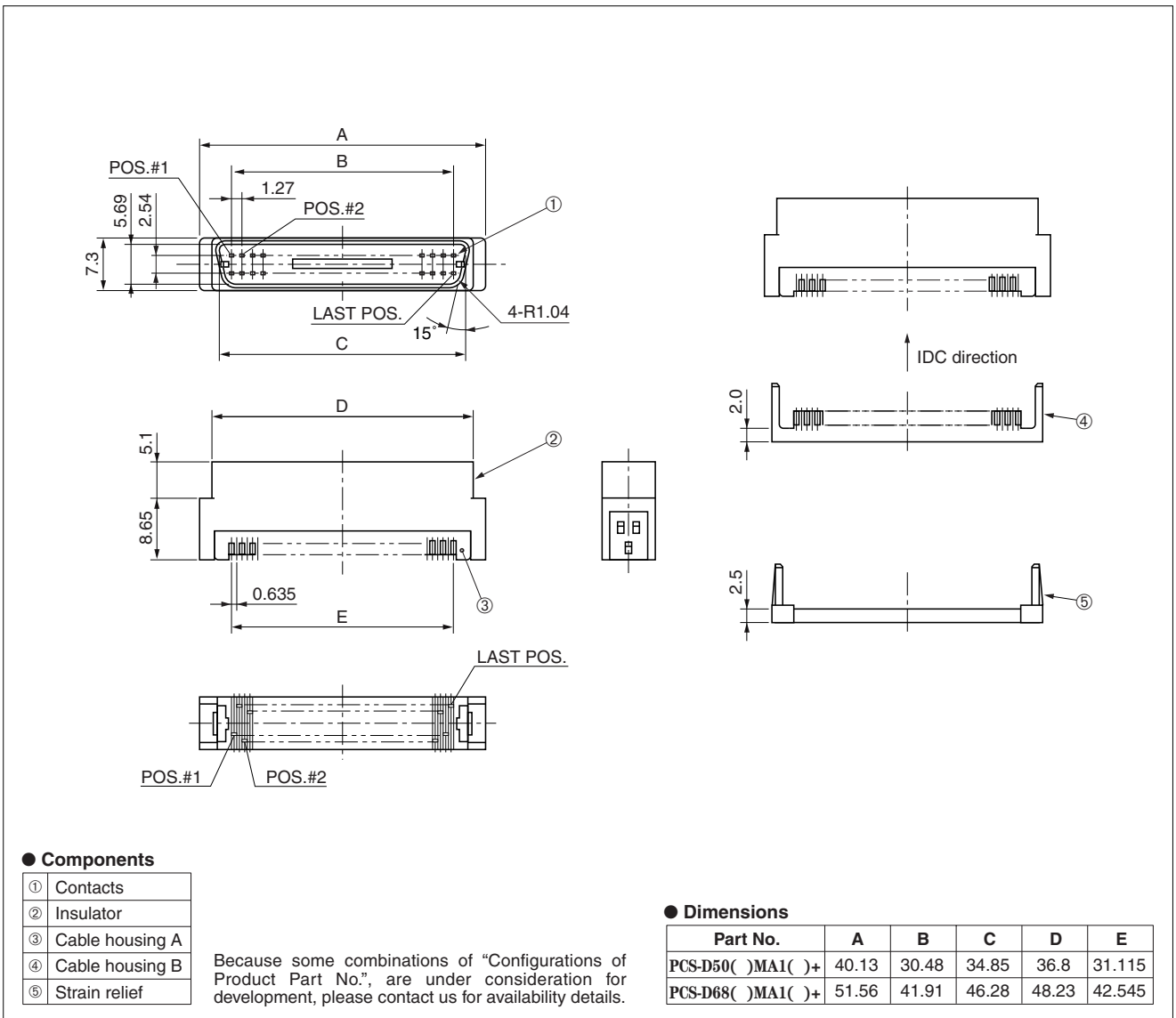
**Mating connectors:** PCS series straight through hole type female connector for PCB
      PCS-XE series through hole type female connector for PCB
**Required tools:** MLPT-0003A (68 contacts) and MLPT-0003B (50 contacts) locators

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

**1.27 mm pitch connector**

**For cable**

**IDC (0.635 mm)**

**Daisy chain**

# IDC type female connector for cable
# PCS-D68( )FA1( )+

RoHS

● **Configuration of product Part No.**

**PCS-D 68 ( ) F A 1 ( )+**
　　　① 　② 　③ ④ ⑤ 　⑥

① Series name
② No. of contacts: 68
③ Strain relief
　Blank: Not provided
　R　　: Provided
④ Type of contact: Female
⑤ Cable sizes
　A: AWG#30 (7 / 0.1) For flat cable

⑥ Contact plating
　Blank: Min. 0.2 μm Gold plating
　G1　 : Min. 0.76 μm Gold plating

51.56
41.91
1.27
POS.#2
POS.#1
①
2.54
7.3
5.54
LAST POS.
15°
4-R1
46.13

②
5
8.25
0.635
42.545

LAST POS.
POS.#2
POS.#1

③
IDC direction

2.0
④
2.5
⑤

● **Components**

| ① | Contacts |
|---|---|
| ② | Insulator |
| ③ | Cable housing A |
| ④ | Cable housing B |
| ⑤ | Strain relief |
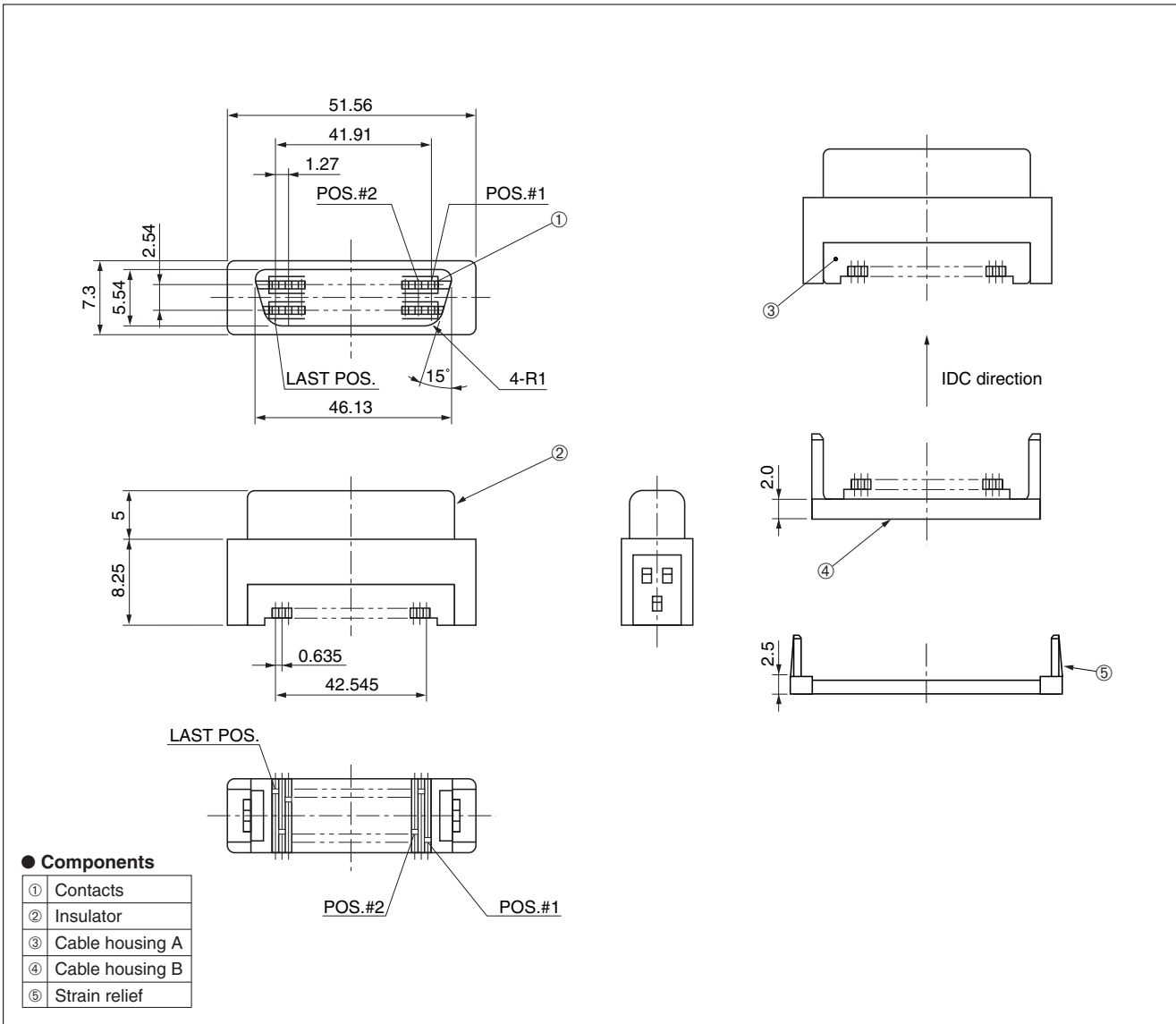
**Mating connectors:** PCS series through hole type male connector for PCB

**Required tools:** Locator, MLPT-0006A (only for 68 contacts)

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Straight through hole type female connector for PCB
## PCS-XE( )SFD( )( )+

RoHS

● **Configuration of product Part No.**

**PCS-XE ( ) S FD ( ) +**
　　　① 　② ③ ④ ⑤

① Series name
② No. of contacts: 26, 50 or 68
③ Type of shell
　S: Short shell
④ Type of connector
　FD: Straight through hole type, female

⑤ Screw size
　Blank: M2.5×0.45 (standard)
　U : #4-40UNC
　U2 : #2-56UNC
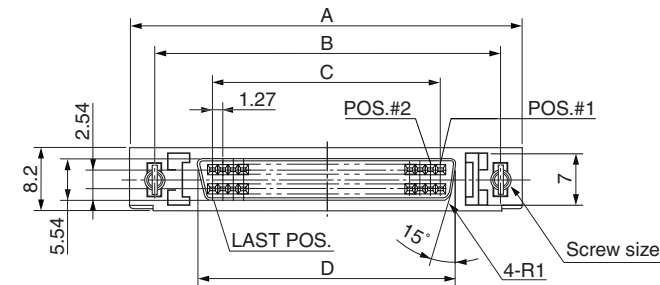
**Note 1:** This 26-contact connector is not available for #4-40UNC and #2-56UNC screws.
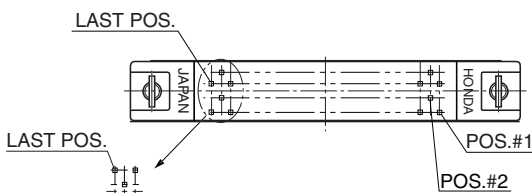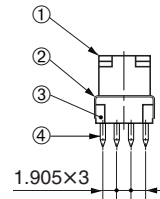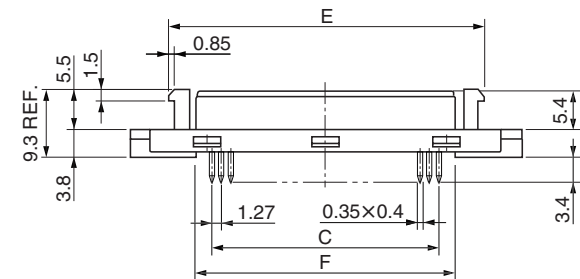
For 68-contact connector

LAST POS.

POS.#1

POS.#2

LAST POS.

For 68-contact connector

**Recommended PCB layout (Connector side)**
t = 1.6 mm

1.905×3

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE26SFD( )+ | 37.2 | 31.2 | 15.24 | 19.46 | 27.05 | 20.0 |
| PCS-XE50SFD( )+ | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 35.24 |
| PCS-XE68SFD( )+ | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 46.67 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Components**

| ① | Shell A |
|---|---|
| ② | Shell B |
| ③ | Insulator |
| ④ | Contacts |

| Part No. | Screws size | øG |
|---|---|---|
| PCS-XE( )SFD+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SFDU+ | #4-40UNC | 3.05 |
| PCS-XE( )SFDU2+ | #2-56UNC | 2.5 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

**1.27 mm pitch connector**

**For PCB**

# Straight through hole type female connector for PCB
## PCS-XE( )SFD( )N( )+

**Straight Through hole**

RoHS

**SCSI-III**
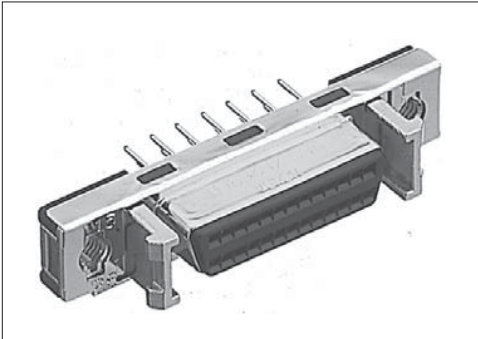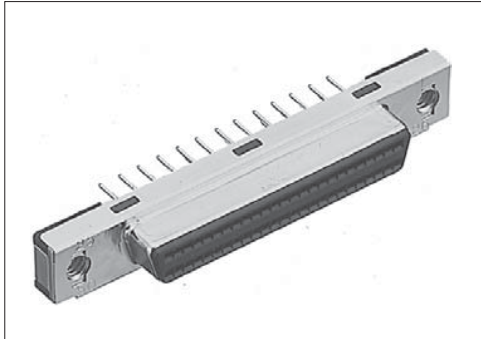
● **Configuration of product Part No.**

**PCS-XE ( ) S FD ( ) N +**
　　　① 　② ③ ④ ⑤ ⑥

① Series name
② No. of contacts: 50, 68 or 100
③ Type of shell
　S: Short shell
④ Type of connector
　FD: Straight through hole type, female

⑤ Screw size
　Blank: M2.5×0.45
　U　　: #4-40UNC (standard)
　U2　 : #2-56UNC
⑥ Lock type
　N: Screw lock
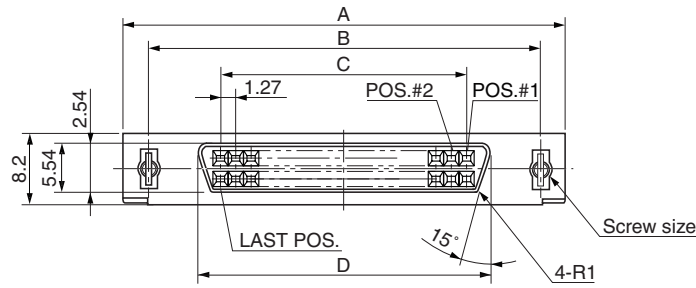
**Note 1: This 26-contact connector is not available for #4-40UNC and #2-56UNC screws.**
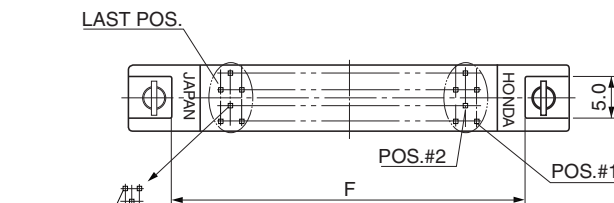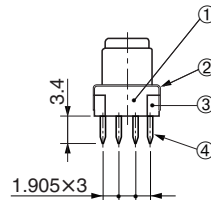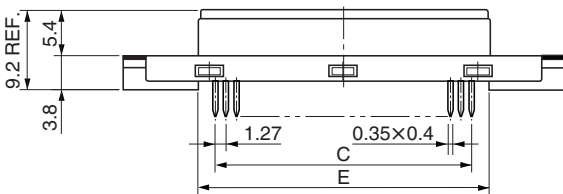


**For 68 or 100-contact connectors**

**For 68 or 100-contact connectors**

**Recommended PCB layout (Connector side)**
t = 1.6 mm

● **Components**

| | |
|---|---|
| ① | Shell A |
| ② | Shell B |
| ③ | Insulator |
| ④ | Contacts |
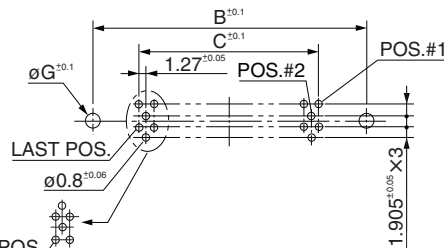
● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE50SFD( )N+ | 52.5 | 46.5 | 30.48 | 34.7 | 35.24 | 42.1 |
| PCS-XE68SFD( )N+ | 63.9 | 57.9 | 41.91 | 46.13 | 46.67 | 53.5 |
| PCS-XE100SFD( )N+ | 84.3 | 78.23 | 62.23 | 66.45 | 66.99 | 73.85 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

| Part No. | Screws size | øG |
|---|---|---|
| PCS-XE( )SFDN+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SFDUN+ | #4-40UNC | 3.05 |
| PCS-XE( )SFDU2N+ | #2-56UNC | 2.5 |

**Mating connectors:** PCS-XE series IDC type male connector

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Right-angle through hole type female connector for PCB
# PCS-XE( )LFD( )( )+

● **Configuration of product Part No.**

**PCS-XE ( ) LFD ( ) ( )+**
　　　　①　②　③　④　⑤

① Series name
② No. of contacts: 50 or 68
③ Type of connector
　LFD: Right-angle through hole type,
　　　　female
④ Screw size
　Blank: M2.5×0.45 (standard)
　U　　: #4-40UNC
　U2　: #2-56UNC
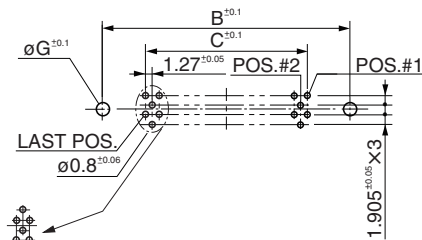
⑤ Contact plating
　Blank: Min. 0.2 μm Gold plating
　G1　: Min. 0.76 μm Gold plating



● **Components**

| | |
|---|---|
| ① | Bracket |
| ② | Shell A |
| ③ | Shell B |
| ④ | Insulator |
| ⑤ | Contacts |

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE50( )LFD( )( )+ | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 39.28 |
| PCS-XE68( )LFD( )( )+ | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 50.71 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

| Part No. | Screws size | øG |
|---|---|---|
| PCS-XE( )LFD( )+ | M2.5×0.45 | 2.8 |
| PCS-XE( )LFDU( )+ | #4-40UNC | 3.05 |
| PCS-XE( )LFDU2( )+ | #2-56UNC | 2.5 |

**Recommended PCB layout (Connector side)**
**t = 1.6 mm**

**For 68-contact connector**

**Mating connectors:** PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

**For PCB**

**Right-angle Through hole**

**SCSI-III**

# Right-angle through hole type female connector for PCB
# PCS-XE68LFDT( )N( )+

RoHS

● Configuration of product Part No.

## PCS-XE 68 LFD T ( ) N ( )+
① ② ③ ④ ⑤ ⑥ ⑦

① Series name
② No. of contacts: 68
③ Type of connector
   LFD: Right-angle through hole type, female
④ Board lock pin
   Blank: None
   T   : Provided

⑤ Screw size
   Blank: M2.5×0.45
   U   : #4-40UNC (standard)
   U2  : #2-56UNC
⑥ Lock type
   N: Screw lock
⑦ Contact plating
   Blank: Min. 0.2 µm Gold plating
   G1  : Min. 0.76 µm Gold plating

**Recommended PCB layout (Connector side)**
**t = 1.6 mm**

| Part No. | Screws size | øF |
|---|---|---|
| PCS-XE68LFDTN( )+ | M2.5×0.45 | 2.8 |
| PCS-XE68LFDTUN( )+ | #4-40UNC | 3.05 |
| PCS-XE68LFDTU2N( )+ | #2-56UNC | 2.5 |

● Components

| | |
|---|---|
| ① | Bracket pin |
| ② | Shell A |
| ③ | Shell B |
| ④ | Insulator |
| ⑤ | Board lock |
| ⑥ | Contacts |

● Dimensions

| Part No. | A | B | C | D | E |
|---|---|---|---|---|---|
| PCS-XE68LFDT( )N( )+ | 63.9 | 57.9 | 41.91 | 46.13 | 50.71 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**Mating connectors:** PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

**1.27 mm pitch connector**

**For PCB**

# Right-angle through hole type female connector for PCB
# PCS-XE100LFD( )-( )+

**Right-angle Through hole**

RoHS

**Screw lock**

● **Configuration of product Part No.**

## PCS-XE 100 LFD ( )- ( )+
     ①    ②    ③   ④  ⑤

① Series name
② No. of contacts: 100
③ Type of connector
   LFD: Right-angle through hole type,
        female
④ Contact plating
   Blank: Min. 0.2 μm Gold plating
   G1   : Min. 0.76 μm Gold plating

⑤ Screw sizes for lock screws
   HS    : #4-40UNC (standard)
   HSU2 : #2-56UNC
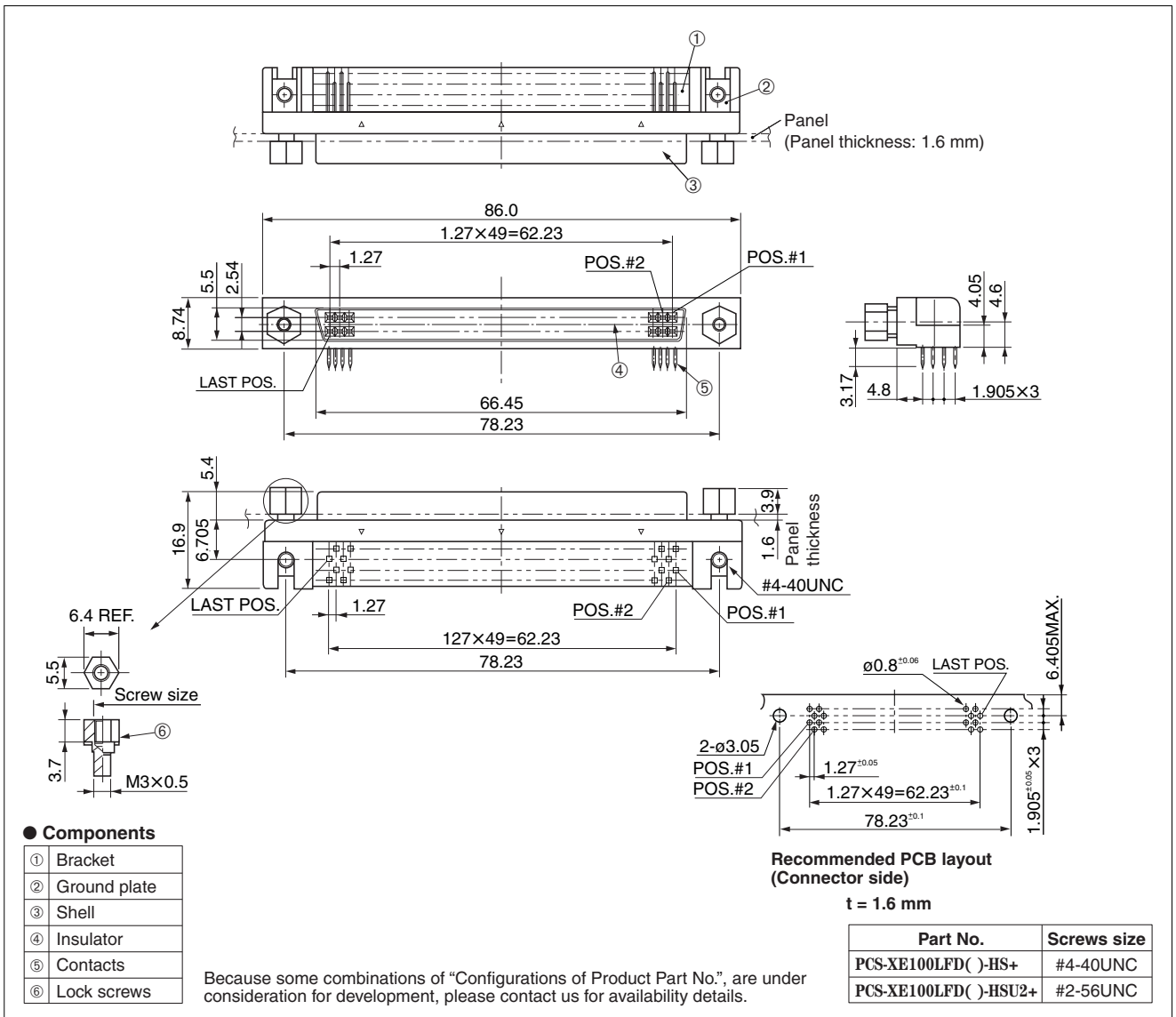


● **Components**

| | |
|---|---|
| ① | Bracket |
| ② | Ground plate |
| ③ | Shell |
| ④ | Insulator |
| ⑤ | Contacts |
| ⑥ | Lock screws |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**Recommended PCB layout**
**(Connector side)**

**t = 1.6 mm**

| Part No. | Screws size |
|---|---|
| PCS-XE100LFD( )-HS+ | #4-40UNC |
| PCS-XE100LFD( )-HSU2+ | #2-56UNC |

**Mating connectors:** PCS-XE series IDC type male connector for cable

**Others** | **Wire wrapping** | **Crimping** | **Soldering** | **IDC** | **Press-in** | **SMT** | **Through hole**

# Right-angle through hole type female connector for PCB
## PCS-XE( )SLFD( )( )+

RoHS
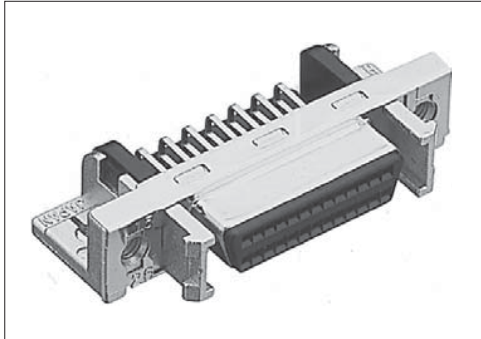
● **Configuration of product Part No.**

**PCS-XE ( ) S LFD ( ) +**
①    ② ③ ④   ⑤

① Series name
② No. of contacts: 26, 50 or 68
③ Type of shell
    S: Short shell
④ Type of connector
    LFD: Right-angle through hole type,
            female

⑤ Screw size
    Blank: M2.5×0.45 (standard)
    U    : #4-40UNC
    U2   : #2-56UNC



**For 68-contact connector**

**Recommended PCB layout
(Connector side)
t = 1.6 mm**

● **Components**

| | |
|---|---|
| ① | Bracket |
| ② | Shell A |
| ③ | Insulator |
| ④ | Shell B |
| ⑤ | Contacts |

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE26SLFD( )+ | 37.2 | 31.2 | 15.24 | 19.46 | 27.05 | 24.05 |
| PCS-XE50SLFD( )+ | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 39.28 |
| PCS-XE68SLFD( )+ | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 50.71 |

| Part No. | Screws size | øG |
|---|---|---|
| PCS-XE( )SLFD+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SLFDU+ | #4-40UNC | 3.05 |
| PCS-XE( )SLFDU2+ | #2-56UNC | 2.5 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**Mating connectors:** PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Right-angle through hole type female connector for PCB
# PCS-XE( )SLFDT( )( )+

RoHS

● **Configuration of product Part No.**

**PCS-XE ( ) S LFD T ( )+**
　　　① 　 ② ③ ④ ⑤ ⑥

① Series name
② No. of contacts: 26, 50 or 68
③ Type of shell
　　S: Short shell
④ Type of connector
　　LFD: Right-angle through hole type,
　　　　　female
⑤ Board lock pin: Provided

⑥ Screw size
　　Blank: M2.5×0.45 (standard)
　　U　　: #4-40UNC
　　U2　 : #2-56UNC



● **Components**

| ① | Bracket |
| ② | Shell B |
| ③ | Insulator |
| ④ | Shell A |
| ⑤ | Contacts |
| ⑥ | Board lock pin |

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE26SLFDT( )+ | 37.2 | 31.2 | 15.24 | 19.46 | 27.05 | 24.05 |
| PCS-XE50SLFDT( )+ | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 39.28 |
| PCS-XE68SLFDT( )+ | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 50.71 |

| Part No. | Screws size | øG |
|---|---|---|
| PCS-XE( )SLFDT+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SLFDTU+ | #4-40UNC | 3.05 |
| PCS-XE( )SLFDTU2+ | #2-56UNC | 2.5 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**For 68-contact connector**

**Recommended PCB layout (Connector side)**

t = 1.6 mm

**Mating connectors:** PCS-XE series IDC type male connector for cable

# HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

**For PCB**

**Right-angle Through hole**

**SCSI-III**

# Right-angle through hole type female connector for PCB
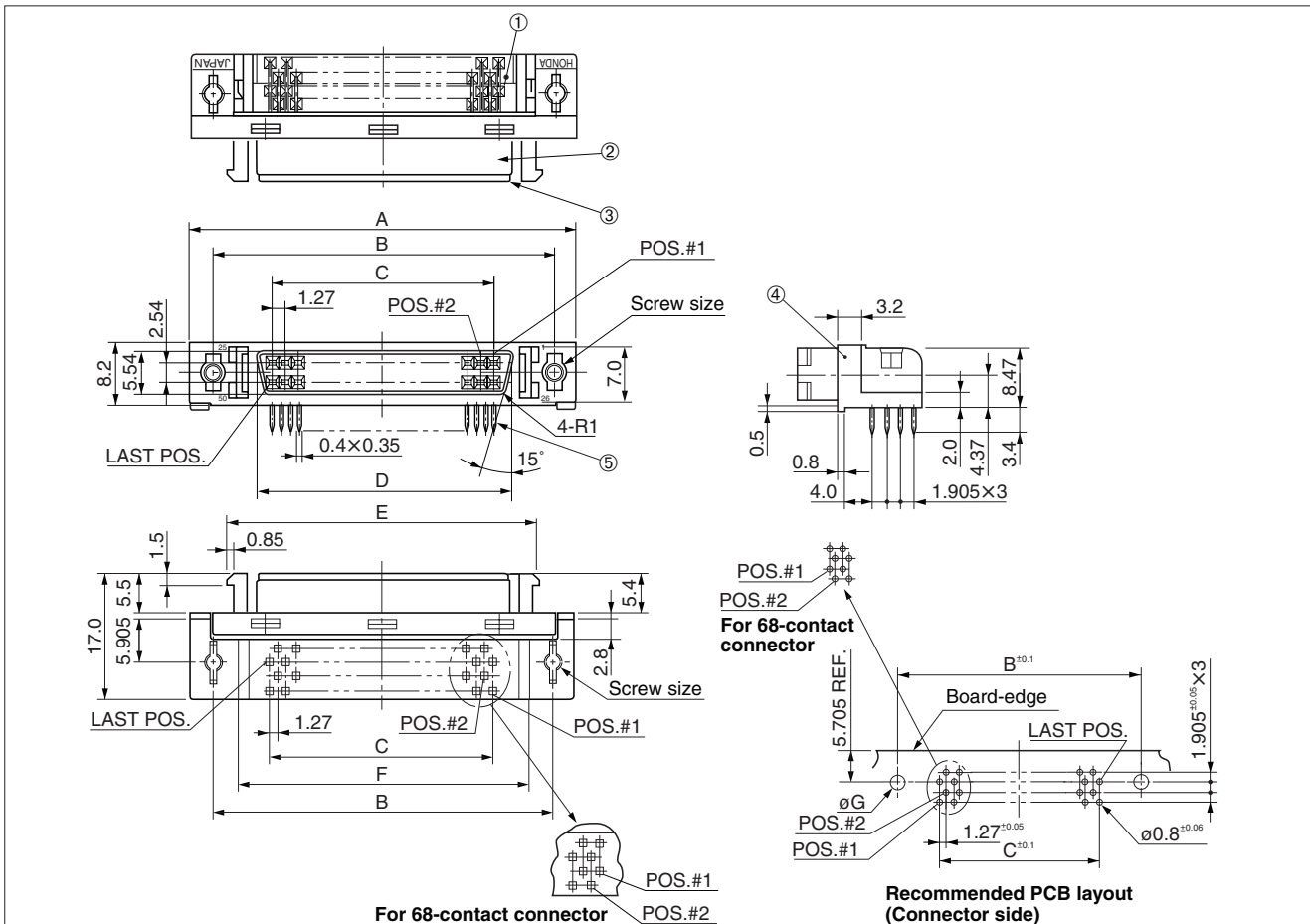## PCS-XE( )SLFD( )N( )+

RoHS

● **Configuration of product Part No.**

**PCS-XE ( ) S LFD ( ) N +**
　　　① 　② ③ ④ 　⑤ ⑥

① Series name
② No. of contacts: 50 or 68
③ Type of shell
　S: Short shell
④ Type of connector
　LFD: Right-angle through hole type,
　　　　female

⑤ Screw size
　Blank: M2.5×0.45
　U　 : #4-40UNC (standard)
　U2　: #2-56UNC
⑥ Lock type
　N: Screw lock

POS.#1
POS.#2
Screw size

LAST POS.
4-R1
15°
0.4×0.35

For 68-contact connector
POS.#1
POS.#2

3.2
8.47
0.5
0.8
3.4
2.0
4.37
4
1.905×3

LAST POS.
POS.#2
POS.#1
Screw size
2.8

For 68-contact connector
POS.#1
POS.#2

POS.#1
POS.#2
For 68-contact connector
Board-edge
LAST POS.
5.705 REF.
1.905±0.05×3
øF
POS.#2
POS.#1
ø0.8±0.06

**Recommended PCB layout
(Connector side)**
**t = 1.6 mm**

● **Components**

| No. | Name |
|---|---|
| ① | Bracket |
| ② | Shell B |
| ③ | Insulator |
| ④ | Shell A |
| ⑤ | Contacts |

● **Dimensions**

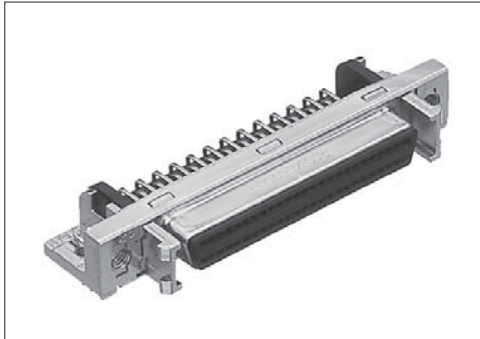| Part No. | A | B | C | D | E |
|---|---|---|---|---|---|
| PCS-XE50SLFD( )N+ | 52.5 | 46.5 | 30.48 | 34.7 | 39.28 |
| PCS-XE68SLFD( )N+ | 63.9 | 57.9 | 41.91 | 46.13 | 50.71 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

| Part No. | Screws size | øF |
|---|---|---|
| PCS-XE( )SLFDN+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SLFDUN+ | #4-40UNC | 3.05 |
| PCS-XE( )SLFDU2N+ | #2-56UNC | 2.5 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

**For PCB**

# Right-angle through hole type female connector for PCB
## PCS-XE( )SLFDT( )N( )+
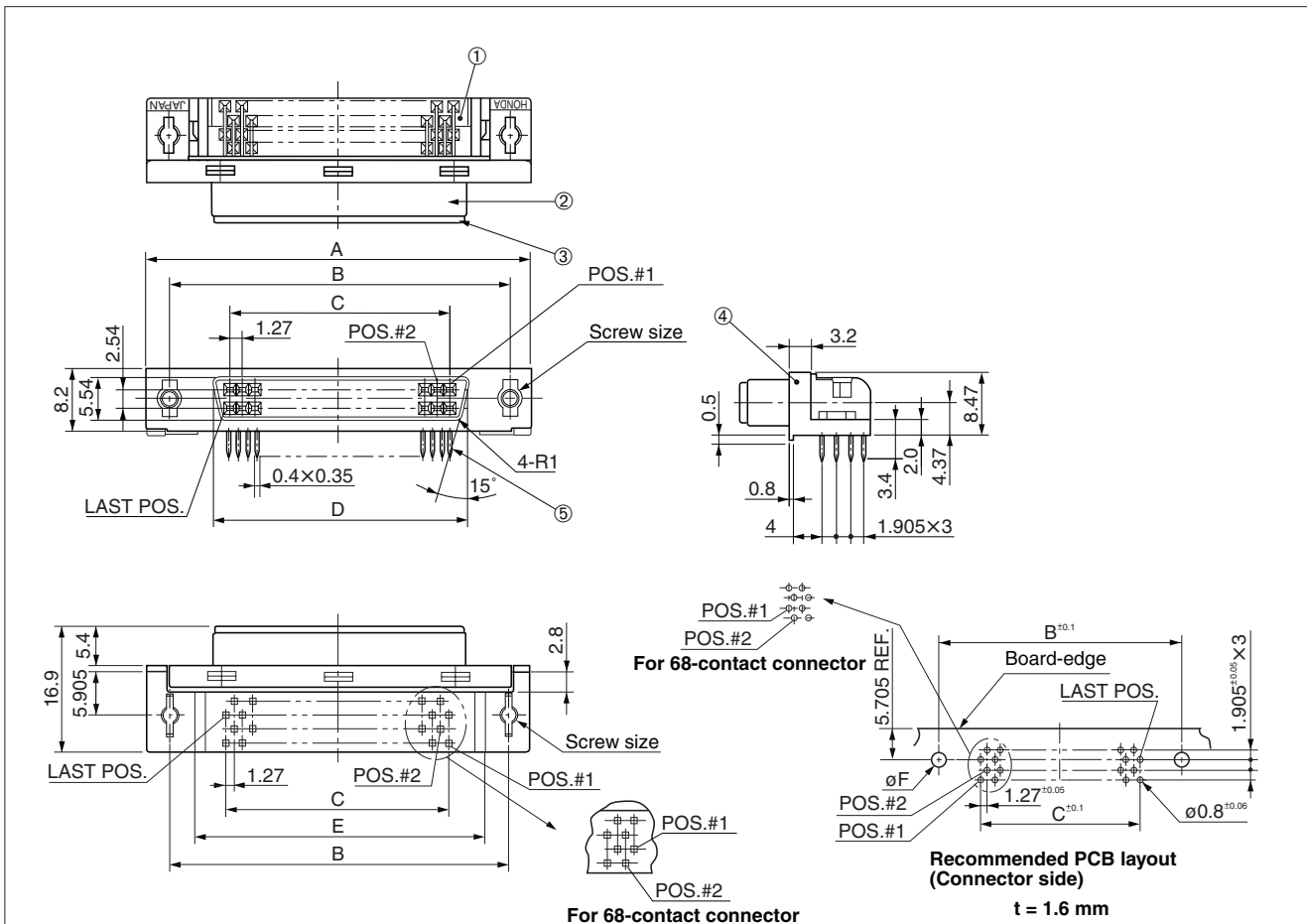
**Right-angle Through hole**

RoHS

**SCSI-III**
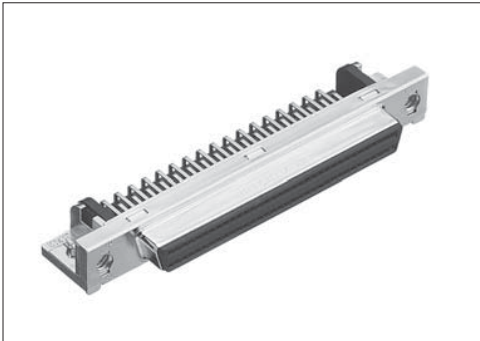
## ● Configuration of product Part No.

PCS-XE ( ) S LFD T ( ) N +
① ② ③ ④ ⑤ ⑥ ⑦

① Series name
② No. of contacts: 50 or 68
③ Type of shell
    S: Short shell
④ Type of connector
    LFD: Right-angle through hole type,
           female
⑤ Board lock pin: Provided

⑥ Screw size
    Blank: M2.5×0.45
    U    : #4-40UNC (standard)
    U2  : #2-56UNC
⑦ Lock type
    N: Screw lock
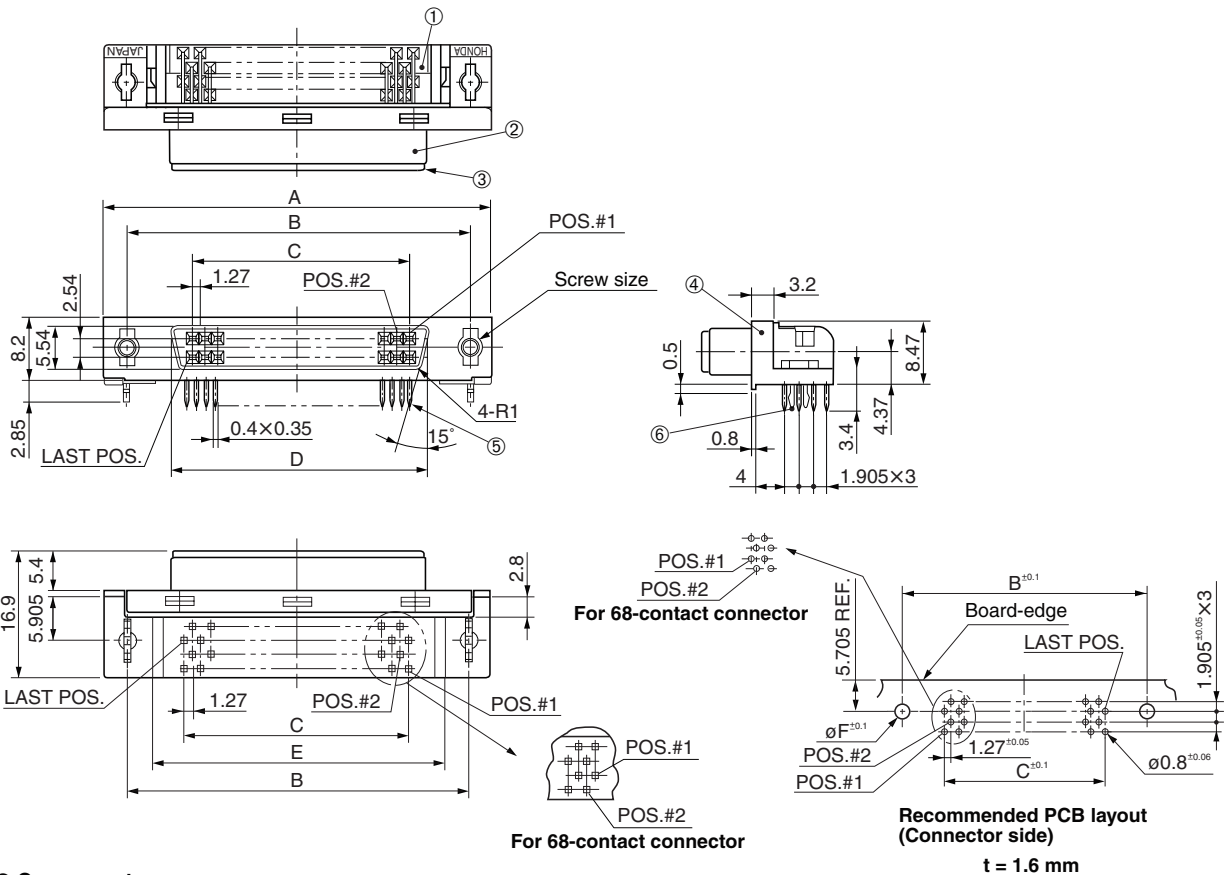


**Recommended PCB layout (Connector side)**
**t = 1.6 mm**

## ● Components

| | |
|---|---|
| ① | Bracket |
| ② | Shell B |
| ③ | Insulator |
| ④ | Shell A |
| ⑤ | Contacts |
| ⑥ | Board lock pin |

## ● Dimensions

| Part No. | A | B | C | D | E |
|---|---|---|---|---|---|
| PCS-XE50SLFDT( )N+ | 52.5 | 46.5 | 30.48 | 34.70 | 39.28 |
| PCS-XE68SLFDT( )N+ | 63.9 | 57.9 | 41.91 | 46.13 | 50.71 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

| Part No. | Screws size | øF |
|---|---|---|
| PCS-XE( )SLFDTN+ | M2.5×0.45 | 2.8 |
| PCS-XE( )SLFDTUN+ | #4-40UNC | 3.05 |
| PCS-XE( )SLFDTU2N+ | #2-56UNC | 2.5 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

**For PCB**

# Right-angle SMT type female connector for PCB
## PCS-XE( )SLFYTU( )+

**Right-angle SMT**

RoHS

**SCSI-II**
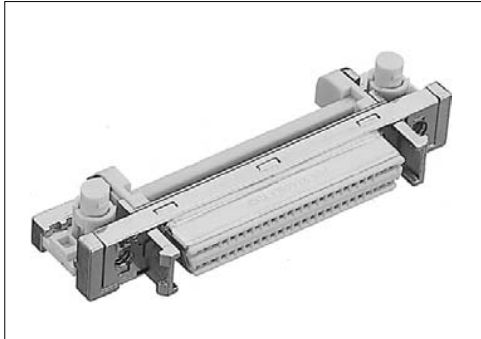
● **Configuration of product Part No.**

**PCS-XE ( ) S LFY T U ( )+**
   ①   ② ③ ④ ⑤ ⑥  ⑦

① Series name
② No. of contacts: 26 or 50
③ Type of shell
  S: Short shell
④ Type of connector
  LFY: Right-angle SMT type, female
⑤ Board lock pin: Provided
⑥ Screw size
  U: #4-40UNC

⑦ Contact plating
  Blank: Min. 0.2 μm Gold plating
  G1 : Min. 0.76 μm Gold plating



**Recommended PCB layout**

● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Bracket |
| ③ | Shell A |
| ④ | Shell B |
| ⑤ | Insulator |
| ⑥ | Snap lock |
| ⑦ | Snap pin |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| PCS-XE26SLFYTU( )+ | 42.0 | 31.2 | 15.24 | 19.46 | 20.93 | 27.05 | 7.62 | 15.875 |
| PCS-XE50SLFYTU( )+ | 57.24 | 46.5 | 30.48 | 34.7 | 36.17 | 42.29 | 15.24 | 31.115 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Straight Press-in type female connector for PCB
# PCS-XE50SFP( )( )

RoHS

● **Configuration of product Part No.**

**PCS-XE 50 SFP ( ) ( )**
   ①    ②   ③   ④  ⑤

① Series name
② No. of contacts: 50
③ Type of connector
   SFP: Straight Press-in type, female
④ Screw size
   Blank: M2.5×0.45 (standard)
   U   : #4-40UNC
   U2  : #2-56UNC

⑤ Contact plating
   G1: Min. 0.76 μm Gold plating
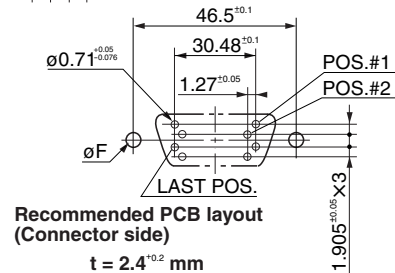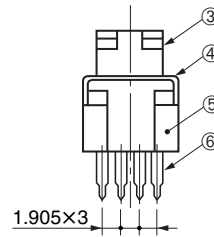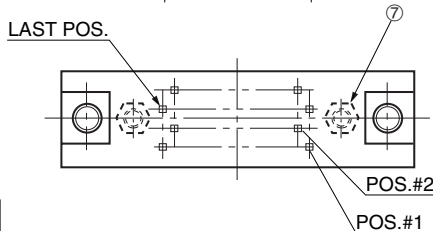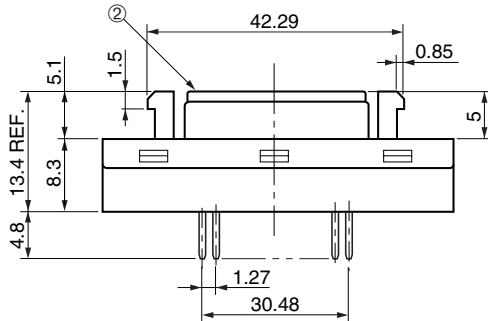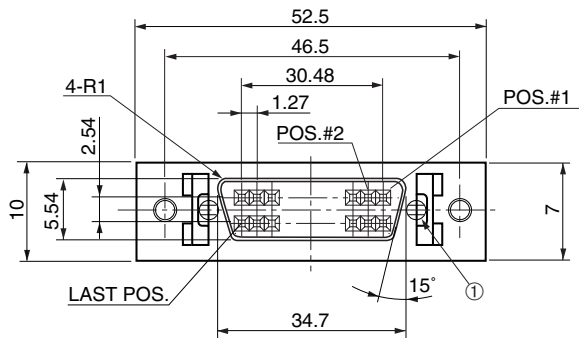


● **Components**

| | |
|---|---|
| ① | Small flat head |
| ② | Insulator A screw |
| ③ | Shell A |
| ④ | Shell B |
| ⑤ | Insulator B |
| ⑥ | Contacts |
| ⑦ | Hex. nuts |

**Recommended PCB layout (Connector side)**

t = 2.4$^{+0.2}$ mm

● **Dimensions**

| Part No. | Screws size | øF |
|---|---|---|
| PCS-XE50SFP( ) | M2.5×0.45 | 2.8 |
| PCS-XE50SFPU( ) | #4-40UNC | 3.05 |
| PCS-XE50SFPU2( ) | #2-56UNC | 2.5 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**Mating connectors:** PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

⊕ **HONDA TSUSHIN KOGYO CO., LTD.**

# IDC type male connector for cable
# PCS-XE( )M( )( )+

RoHS
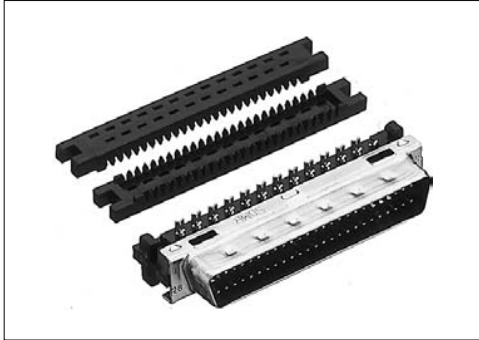
● **Configuration of product Part No.**

**PCS-XE ( ) M ( ) ( )+**
　　　　　① 　②　③　④ ⑤

① Series name
② No. of contacts: 26, 50, 68 or 100
③ Type of contact: Male
④ Cable sizes for reference purposes (In case the cable insulation is made of PVC resin)
　Blank : AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is
　　　　　0.8-1.0 mm. For discrete wire.　(See Note #1)
　A　: AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is
　　　　　0.5-0.65 mm. For discrete wire.
　B　: AWG#30(7 / 0.1). Outside diameter of insulation is 0.5-0.65 mm. For discrete wire.
　C　: AWG#28(7 / 0.127) or AWG#30(1 / 0.254). For flat cable, t = 1.0 mm MAX.
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　(See Note #2)
　E　: AWG#30(7 / 0.1). For flat cable, t = 1.0 mm MAX.　(See Note #2)
　J　: AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is
　　　　　0.65-0.8 mm. For discrete wire.
　K　: AWG#30(7 / 0.1). Outside diameter of insulation is 0.65-0.8 mm. For discrete wire.
　Q　: AWG#30(7 / 0.1). Outside diameter of insulation is 0.8-1.0 mm. For discrete wire.
⑤ Contact plating
　Blank : Min. 0.2 μm Gold plating
　G1　: Min. 0.76 μm Gold plating



**Cable cover for discrete wire**

**Cable cover for flat cable**

**For 68 or 100-contact connector**

**Note 1: P/N PCS-XE100M+ is not available.**
**Note 2: This 100-contact connector is not available for flat cable. (C, E)**

● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Shell |
| ③ | Insulator |
| ④ | Spacer |
| ⑤ | Cable cover |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C | D |
|---|---|---|---|---|
| PCS-XE26M( )( )+ | 25.46 | 15.24 | 19.61 | 25.46 |
| PCS-XE50M( )( )+ | 40.7 | 30.48 | 34.85 | 40.7 |
| PCS-XE68M( )( )+ | 52.13 | 41.91 | 46.28 | 52.1 |
| PCS-XE100M( )( )+ | 72.45 | 62.23 | 66.6 | 72.4 |

**Mating connectors:** PCS-XE series straight or right-angle through hole type female connector for PCB.
PCS-XE series SMT type female connector.
**For use with housings:** SCSI-II: PCS-E( )L( ). SCSI-III: PCS-XEM( )DL( )( )N
**Required tools:** Discrete wire tool: PCS-K1 or FHAT-918B and FHPT-918A. Flat cable tool: PCS-K4

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Soldering type male connector for cable
# PCS-XES68MS+

RoHS

**Soldering**

**SCSI-III**

● **Configuration of product Part No.**

## PCS-XES 68 MS+
　　　　　①　　②　③

① Series name
② No. of contacts: 68
③ Type of connector
　 MS: Soldering type, male



49.88

1.27×(34-1)=41.91

1.27

POS.#1　　　　　　POS.#2

9.8　5.7　2.54

LAST POS.

4-R1.04

15°

46.28

17.6 REF.　11.5　5

3.05　3.05　1.27

1.27×(34-1)=41.91

①
②
③

LAST POS.

POS.#1　　POS.#2
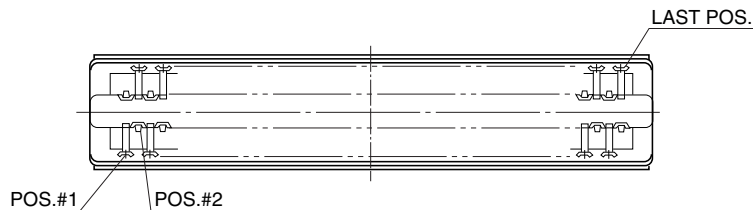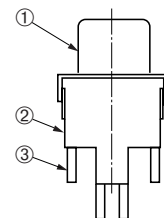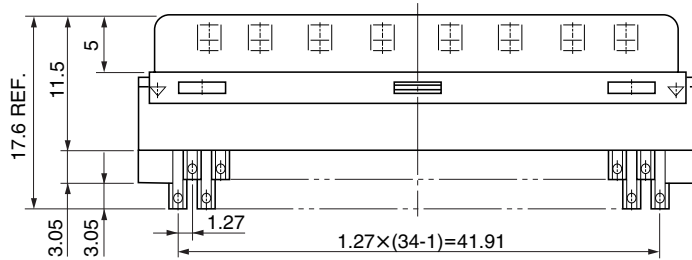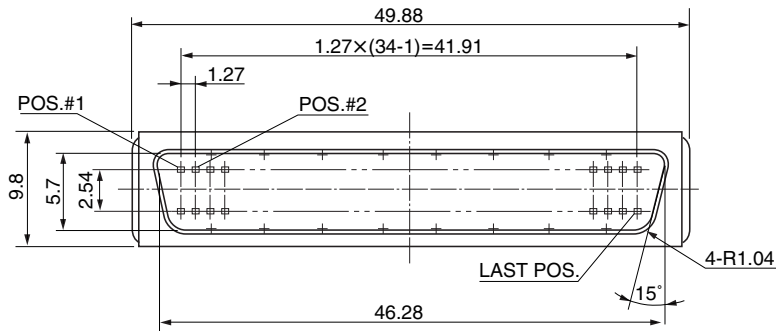
● **Components**

| ① | Shell |
|---|---|
| ② | Insulator |
| ③ | Contacts |

**Mating connectors:** PCS-XE series straight or right-angle through hole type female connector for PCB,
　　　　　　　　　　　PCS-XE series SMT type female connector for PCB, PCS-XE series of IDC type female connectors for cable panel

**For use with housings:** PCS-SE68LDAU2N

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# HONDA TSUSHIN KOGYO CO., LTD.

## IDC type female connector for panel
## PCS-XE( )SPF( )( )( )

RoHS

**1.27 mm pitch connector**

**For cable**
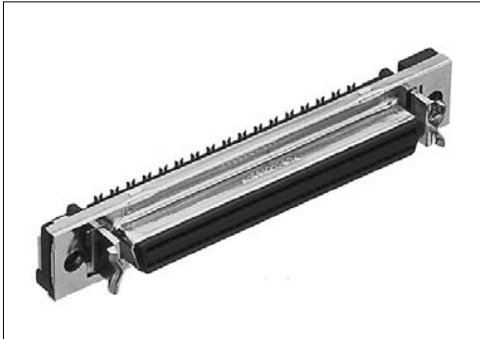
**IDC (1.27 mm)**

**SCSI-II**

● **Configuration of product Part No.**

### PCS-XE ( ) S P F ( ) ( ) ( )
①　②③④⑤⑥⑦⑧

① Series name
② No. of contacts: 26, 50 or 68
③ Type of shell
　S: Short shell
④ Panel
　P: Panel mounting
⑤ Type of contact
　F: IDC type, female
⑥ Cable sizes for reference purposes
　(In case the cable insulation is made of PVC resin)
　Blank : AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is 0.8-1.0 mm. For discrete wire.
　A　: AWG#28(7 / 0.127) or AWG#30(1 / 0.254). Outside diameter of insulation is 0.5-0.65 mm. For discrete wire.

B　: AWG#30(7 / 0.1). Outside diameter of insulation is 0.5-0.65mm. For discrete wire.
C　: AWG#28(7 / 0.127) or AWG#30 (1 / 0.254). For flat cable, t = 1.0 mm.
E　: AWG#30(1 / 0.1). For flat cable, t = 1.0 mm.
⑦ Screw size
　Blank : M2.5×0.54 (standard)
　U　: #4-40UNC
　U2　: #2-56UNC
⑧ Contact plating
　Blank : Min. 0.2 μm Gold plating
　G1　: Min. 0.76 μm Gold plating



4-R1

POS.#2　POS.#1

LAST POS.　15°

Screw size

**Cable cover for discrete wire**

**Cable cover for flat cable**

**For 68-contact connector**

LAST POS.

POS.#2　POS.#1

**Note 1:** This 26-contact connector is not available for screw size, #4-40UNC or #2-56UNC.

● **Components**

| | |
|---|---|
| ① | Insulator |
| ② | Shell |
| ③ | Bracket |
| ④ | Spacer |
| ⑤ | Contacts |
| ⑥ | Cable cover |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| PCS-XE26SPF( )( )( ) | 37.2 | 31.2 | 15.24 | 19.46 | 27.05 | 25.46 |
| PCS-XE50SPF( )( )( ) | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 40.7 |
| PCS-XE68SPF( )( )( ) | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 52.1 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

## IDC type female connector for panel
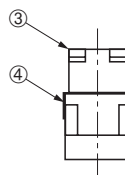## PCS-XED( )( )FA( )( )+

For cable

IDC (0.635 mm)

RoHS

SCSI-II

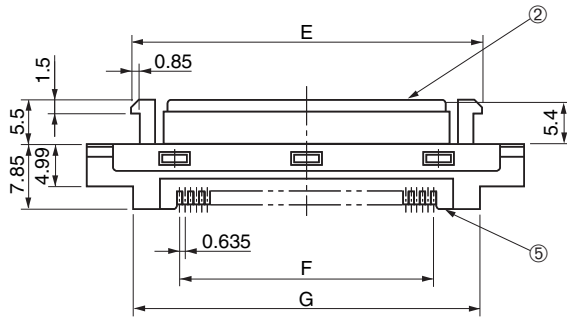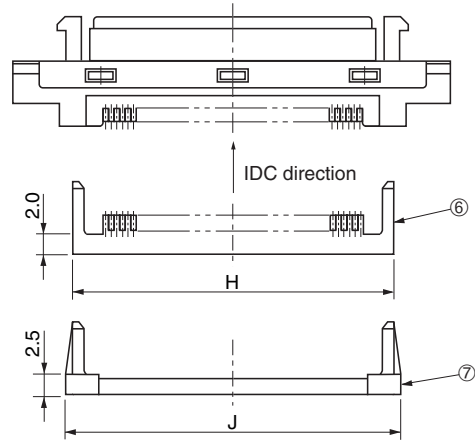● **Configuration of product Part No.**

**PCS-XED ( ) ( ) F A ( ) ( )+**
①  ② ③ ④⑤ ⑥ ⑦

① Series name
② No. of contacts: 50 or 68
③ Strain relief
　Blank: Not provided
　R　　: Provided
④ Type of contact
　F: Female
⑤ Cable size
　A: AWG#30(7 / 0.1) For flat cable

⑥ Screw size
　Blank: M2.5×0.54 (standard)
　U　　: #4-40UNC
　U2　　: #2-56UNC
⑦ Contact plating
　Blank: Min. 0.2 μm Gold plating
　G1　: Min. 0.76 μm Gold plating

● **Dimmensions**

| Part No. | A | B | C | D | E | F | G | H | J |
|---|---|---|---|---|---|---|---|---|---|
| PCS-XED50( )FA( )( ) | 52.5 | 46.5 | 30.48 | 34.7 | 42.29 | 31.115 | 42.1 | 37.79 | 39.49 |
| PCS-XED68( )FA( )( ) | 63.9 | 57.9 | 41.91 | 46.13 | 53.72 | 42.545 | 53.47 | 49.22 | 50.92 |

IDC direction

POS.#1
POS.#2
4-R1
Screw size
1.27
2.54
8.2
5.54
7.0
LAST POS.
15°
①
POS.# Marking
(4 PLCS)

2.0
H
2.5
J
⑥
⑦

E
②
0.85
1.5
5.5
5.4
7.85
4.99
③
④
0.635
F
⑤
G

● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Insulator |
| ③ | Shell A |
| ④ | Shell B |
| ⑤ | Cable housing A |
| ⑥ | Cable housing B |
| ⑦ | Strain relief |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Terminal-to-conductor connection (In case of the 50-contact connector)**

| Terminal No. | Conductor No. |
|---|---|
| 1 | 1 |
| 26 | 2 |
| 2 | 3 |
| 27 | 4 |
| ┊ | ┊ |
| 24 | 47 |
| 49 | 48 |
| 25 | 49 |
| 50 | 50 |

| Part No. | Screws size |
|---|---|
| PCS-XED( )( )FA( )+ | M2.5×0.45 |
| PCS-XED( )( )FAU( )+ | #4-40UNC |
| PCS-XED( )( )FAU2( )+ | #2-56UNC |

---

**Mating connectors:** PCS-XE series IDC type male connector for cable

**Required tools:** Locator tool, MLPT-0004A for 68 contacts or MLPT-0004B for 50 contacts

---

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |

**HONDA TSUSHIN KOGYO CO., LTD.**

**1.27 mm pitch connector**

**For cable**

**IDC (0.635 mm)**

RoHS

**SCSI-III**

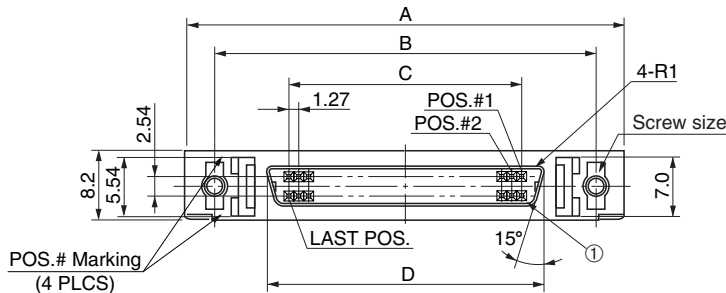# IDC type female connector for panel
# PCS-XED68( )FAUN( )+

● **Configuration of product Part No.**

**PCS-XED 68 ( ) F A U N ( )+**
　　　① 　　② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series name
② No. of contacts: 68
③ Strain relief
　Blank: Not provided
　R　　: Provided
④ Type of contact
　F: Female
⑤ Cable size
　A: AWG#30(7 / 0.1) For flat cable

⑥ Screw size
　U: #4-40UNC
⑦ Lock type
　N: Screw lock
⑧ Contact plating
　Blank: Min. 0.2 μm Gold plating
　G1　: Min. 0.76 μm Gold plating

63.9
57.9
1.27×(34-1)=41.91
1.27
POS.#1
POS.#2
4-R1
Screw size
2.54
8.2
5.54
34
68
LAST POS.
46.13
15°
①

IDC direction
2.0
⑥
49.22
2.5
⑦
50.92

5.4
7.85
4.99
0.635
0.635×(68-1)=42.545
53.47
⑤

②
③
④

● **Components**

| | |
|---|---|
| ① | Contacts |
| ② | Insulator |
| ③ | Shell B |
| ④ | Shell A |
| ⑤ | Cable housing A |
| ⑥ | Cable housing B |
| ⑦ | Strain relief |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

● **Terminal-to-conductor connection**

| Terminal No. | Conductor No. |
|---|---|
| 1 | 1 |
| 35 | 2 |
| 2 | 3 |
| 36 | 4 |
| ⋮ | ⋮ |
| 33 | 65 |
| 67 | 66 |
| 34 | 67 |
| 68 | 68 |

**Mating connectors:** PCS-XE series IDC type male connector for cable

**Required tools:** Locator tool, MLPT-0004A for 68 contacts or MLPT-0004B for 50 contacts
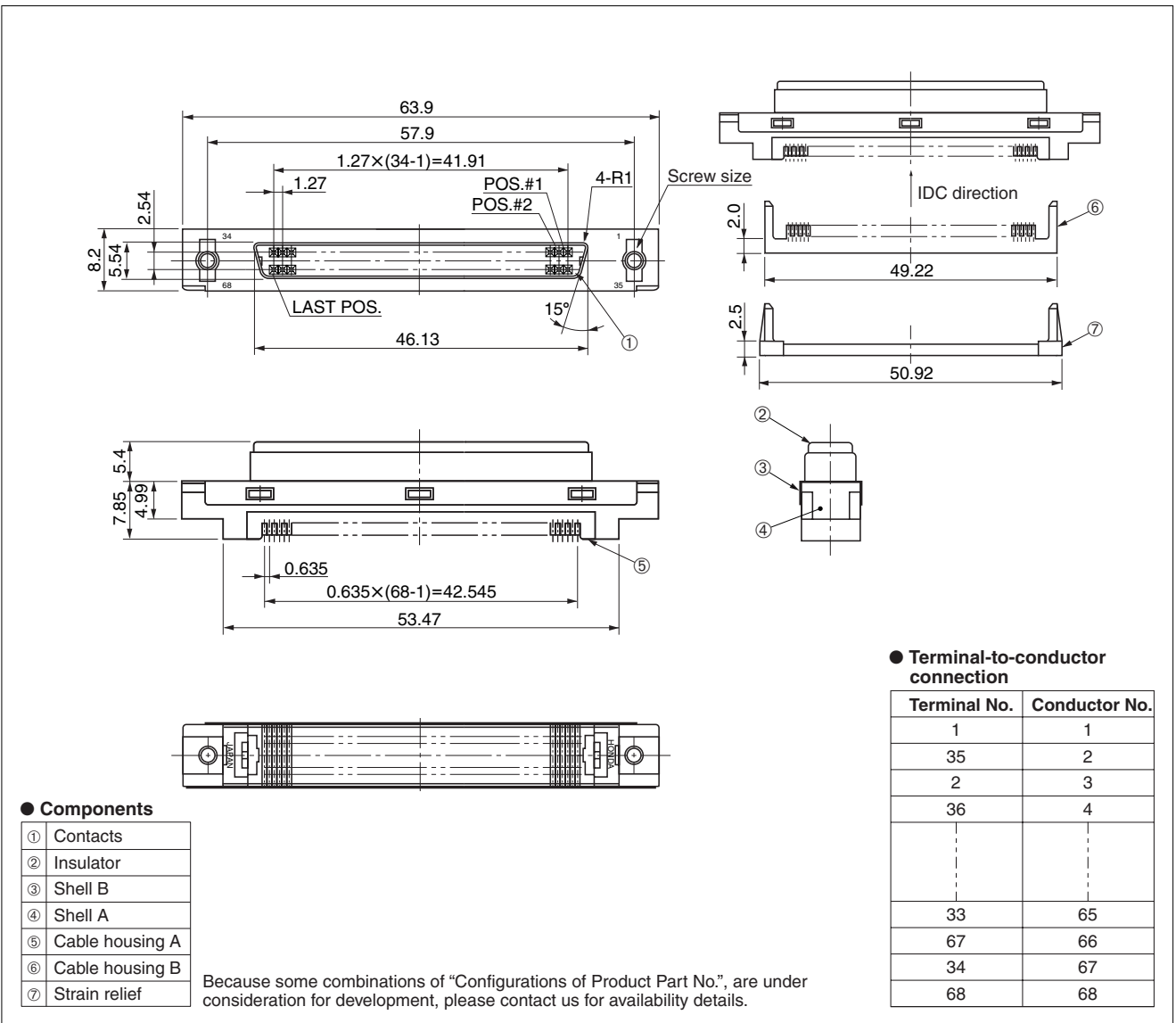
Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# EMI-filtered vertical type die-cast material backshell for standard cable
## PCS-E( )L( )

RoHS
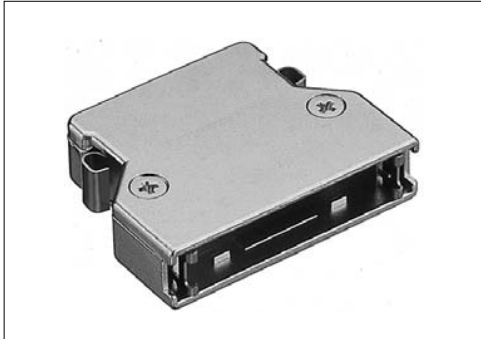
● Configuration of product Part No.

**PCS-E ( ) L ( )**
①　②　③　④

① Series name
② No. of contacts: 20, 28, 36, 50 or 68
③ Type of backshell
　L: Vertical type backshell for standard cable
④ Identification mark (A, B or C) of cable-end-outlet dimension.
　Cable diameters for reference purposes are shown in the Dimension table as below.

● Components

| ① | Cover A |
|---|---|
| ② | Cover B |
| ③ | Latch |
| ④ | ⊕Small-sized Phillips flat head screw |
| ⑤ | Cable clamp |
| ⑥ | ⊕Small-sized Phillips head screw |

● Dimensions

| Part No. | A | B | C | Outside diameter of cable for reference purposes |
|---|---|---|---|---|
| PCS-E20LA | 30.0 | 20.3 | 6×5 | ø5.5 |
| PCS-E20LB | | | 8×7 | ø7.5 |
| PCS-E28LA | 35.0 | 25.3 | 6.5×5 | ø5.5, ø5.9 |
| PCS-E28LB | | | 9.5×8.5 | ø9 |
| PCS-E68LA | 60.3 | 50.6 | 8.5×7.5 | ø8.1 |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others

**1.27 mm pitch connector**

**Backshell**

**Vertical**

**EMI-filtered**

# Mating guide structure vertical type die-cast material backshell for standard cable
## PCS-E( )LG( )

RoHS
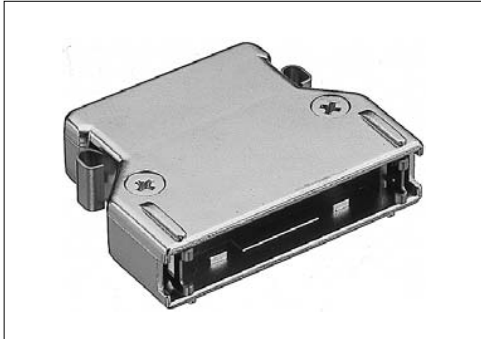
● **Configuration of product Part No.**

**PCS-E ( ) LG ( )**
  ①    ②   ③  ④

① Series name
② No. of contacts: 28, 36 or 50
③ Type of backshell
   LG: Mating guide structure vertical type backshell for standard cable
④ Identification mark (A or B) of cable-end-outlet dimension.
   Cable diameters for reference purposes are shown in the Dimension table below.

● **Components**

| | |
|---|---|
| ① | Cover A |
| ② | Cover B |
| ③ | Latch |
| ④ | Cable clamp |
| ⑤ | ⊕Small-sized Phillips head screw |
| ⑥ | ⊕Small-sized Phillips flat head screw |

● **Dimensions**

| Part No. | A | B | C | D | E | Outside diameter of cable for reference purposes |
|---|---|---|---|---|---|---|
| PCS-E28LGB | 35.0 | 25.3 | 30 | 16 | 8.5×9.5 | ø9 |
| PCS-E36LGA | 40.2 | 30.5 | 34 | 31 | 7×7.5 | ø7.5 |
| PCS-E50LGA | 48.9 | 39.2 | 42 | 39 | 7×8.5 | ø8 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |

# Horizontal type die-cast material backshell for standard cable
## PCS-E( )W

RoHS
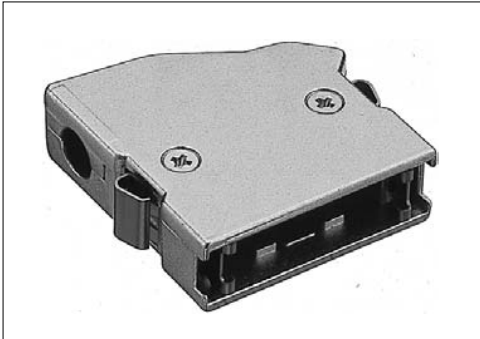
● **Configuration of product Part No.**

### PCS-E ( ) W
①　　②　③

① Series name
② No. of contacts: 20, 28, 36 or 50
③ Type of backshell
　W: Horizontal type backshell for standard cable

10

32

25

A

1.5

⑤ ⑥

③

④

②

①

● **Components**

| | |
|---|---|
| ① | Cover A |
| ② | Cover B |
| ③ | Latch |
| ④ | ⊕Small-sized Phillips flat head screw |
| ⑤ | Cable clamp |
| ⑥ | ⊕Small-sized Phillips head screw |

● **Dimensions**

| Part No. | A | Outside diameter of cable for reference purposes |
|---|---|---|
| PCS-E20W | 30.0 | ø5.6 |
| PCS-E28W | 35.0 | ø6 |
| PCS-E36W | 40.2 | ø8.2 |
| PCS-E50W | 48.9 | ø7.8 |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# Vertical type plastic backshell for flat cable
# PCS-E( )LT+

RoHS

● **Configuration of product Part No.**

**PCS-E ( ) LT+**
　　①　②　③

① Series name
② No. of contacts: 28, 36 or 50
③ Type of backshell
　 LT: Vertical type backshell for flat cable
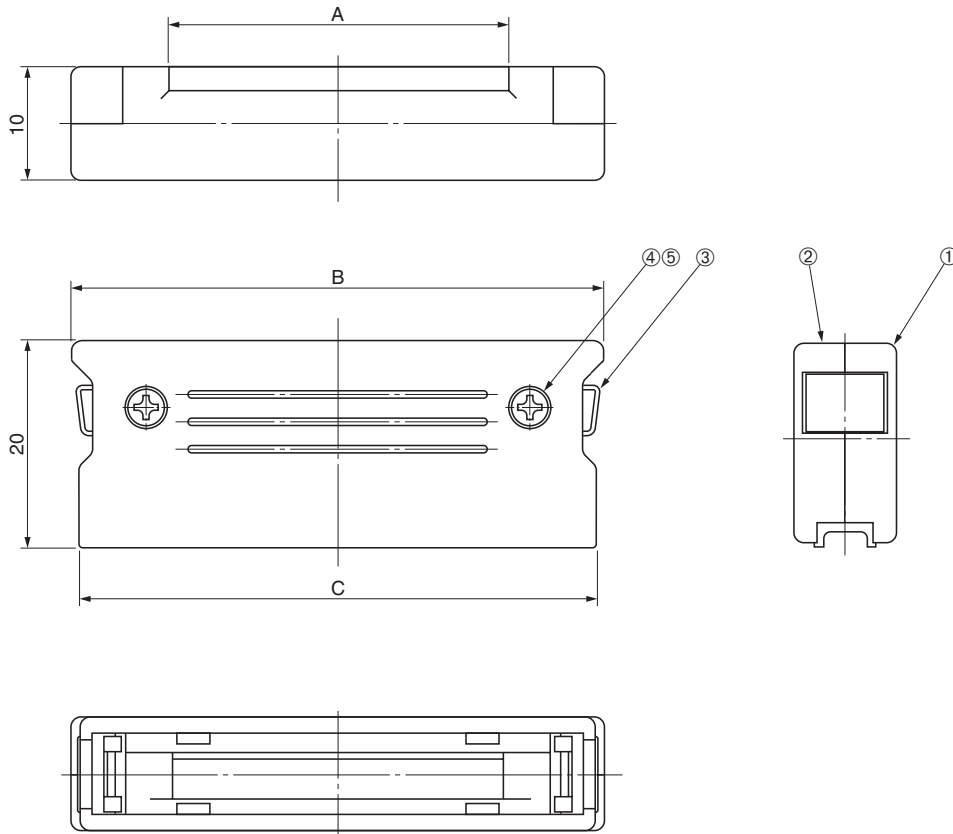
● **Components**

| ① | Cover B |
|---|---|
| ② | Cover A |
| ③ | Latch |
| ④ | ⊕Small-sized Phillips head screw |
| ⑤ | Hex nuts |

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| **PCS-E28LT+** | 18.3 | 37.0 | 35.0 |
| **PCS-E36LT+** | 23.4 | 42.2 | 40.2 |
| **PCS-E50LT+** | 32.2 | 50.9 | 48.9 |

**For use with connector:** PCS-E series IDC type female connector for cable
　　　　　　　　　　　　PCS-XE series IDC type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Vertical type die-cast material backshell for cable extension
## PCS-E( )PML( )

RoHS
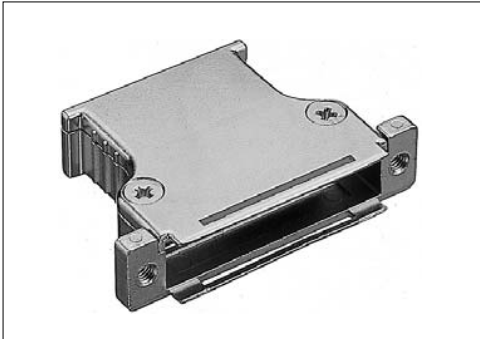
● **Configuration of product Part No.**

**PCS-E ( ) PML ( )**
　　　　①　　②　③　　④

① Series name
② No. of contacts: 36
③ Type of backshell
　PML： Vertical type backshell for PCS-E( )PM( )-H
④ Outside diameter of cable for reference purpose
　A: 9 mm diameter
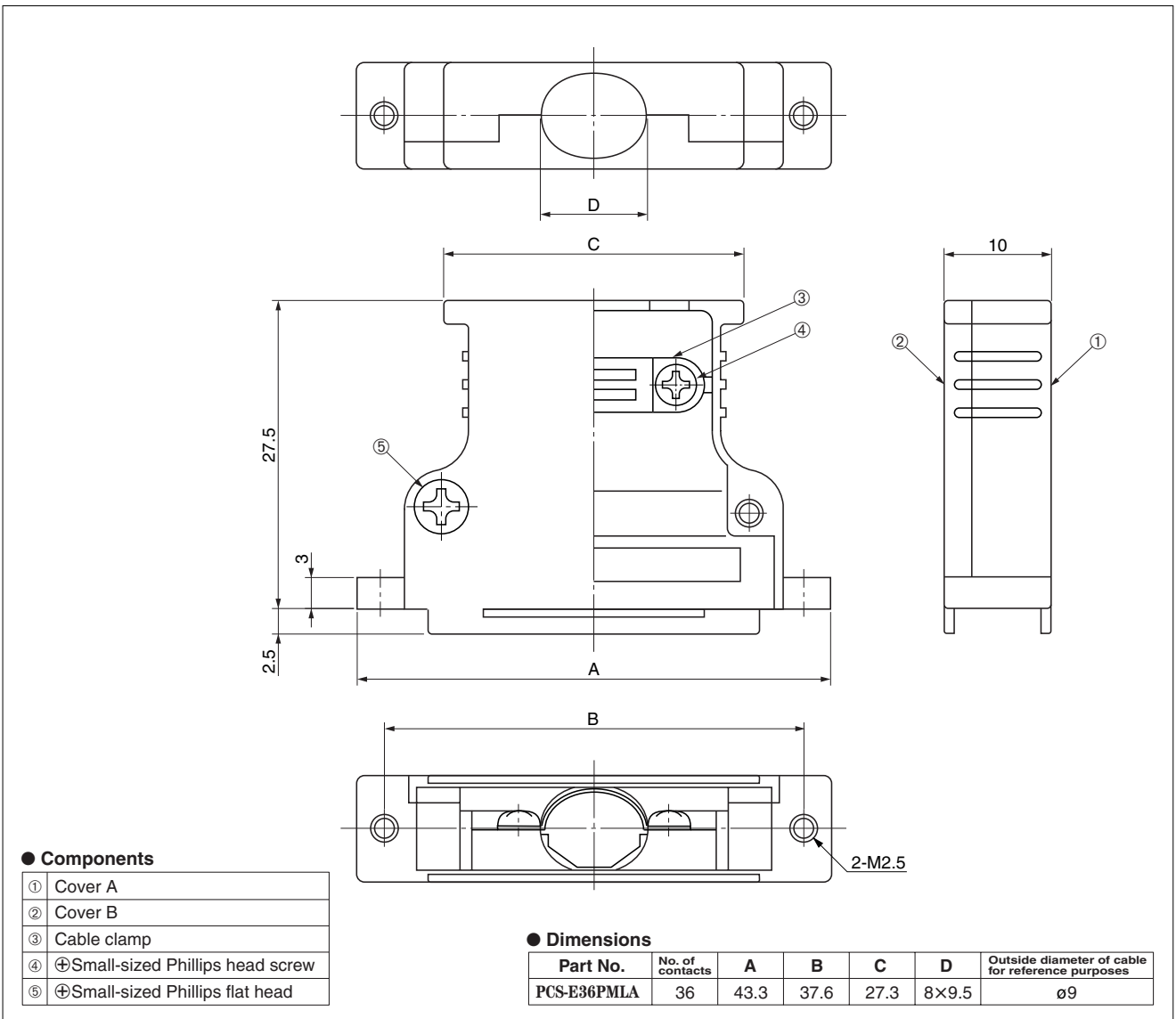


● **Components**

| ① | Cover A |
|---|---|
| ② | Cover B |
| ③ | Cable clamp |
| ④ | ⊕Small-sized Phillips head screw |
| ⑤ | ⊕Small-sized Phillips flat head |

2-M2.5

● **Dimensions**

| Part No. | No. of contacts | A | B | C | D | Outside diameter of cable for reference purposes |
|---|---|---|---|---|---|---|
| PCS-E36PMLA | 36 | 43.3 | 37.6 | 27.3 | 8×9.5 | ø9 |

**For use with connector:** PCS-E( )PM( )-H

# HONDA TSUSHIN KOGYO CO., LTD.

## Vertical type die-cast material backshell for standard cable with provision for preventing misinsertion
## PCS-E( )LP( )-( )+R

RoHS

**Backshell**

**Vertical**

**EMI-filtered**
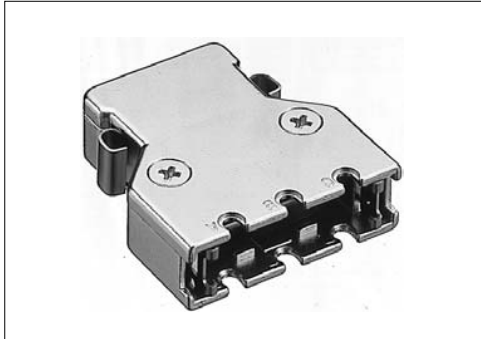
● **Configuration of product Part No.**

**PCS-E ( ) LP ( )- ( )+R**
　　①　②　③　④　⑤

① Series name
② No. of contacts: 20, 28, 36, 50 or 68
③ Type of backshell
　LP: Vertical type backshell for standard cables with provision for preventing misinsertion

④ Identification mark (A, B or C) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.



**For 50-contact backshell**

**For 68-contact backshell**

● **Components**

| | |
|---|---|
| ① | Cover A |
| ② | Cover B |
| ③ | Latch |
| ④ | Cable clamp |
| ⑤ | ⊕Small-sized Phillips head screw |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

Key-riveted position No.

**For 20-contact backshell**　**For 28-contact backshell**　**For 36-contact backshell**

● **Dimensions**

| Part No. | A | B | C | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|---|
| PCS-E20LPA-( )+R | 30.0 | 20.3 | 6×5 | ø5.5 | 1B, 1C, 2A, 3A |
| PCS-E20LPB-( )+R | | | 8×7 | ø7.5 | |
| PCS-E28LPA-( )+R | 35.0 | 25.3 | 6.5×5 | ø5.5, ø5.9 | 1D, 2C, 3B, 4A |
| PCS-E28LPB-( )+R | | | 10×8 | ø9 | |
| PCS-E28LPC-( )+R | | | 11×8 | ø10 | |
| PCS-E36LPA-( )+R | 40.2 | 30.5 | 10×8 | ø8.4, ø9 | |
| PCS-E50LPA-( )+R | 48.9 | 39.2 | 10×8 | ø7.3 | 1E, 2D, 4B, 5A |
| PCS-E68LPB-( )+R | 60.3 | 50.6 | 7.5×6 | ø6.5 | |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable

　　　　　　　　　　　PCS-XE series IDC type male connector for cable

**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Vertical type die-cast material backshell for larger diameter cable with provision for preventing misinsertion
## PCS-E( )LKP( )-( )+R

RoHS

**Backshell**

**Vertical**

**EMI-filtered**
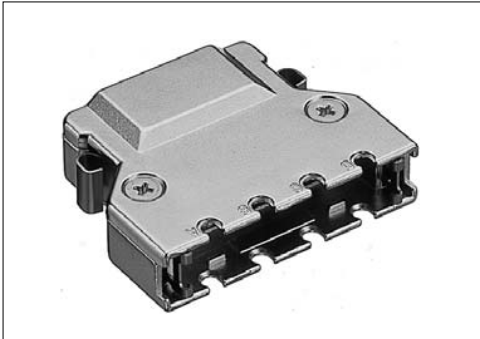
● **Configuration of product Part No.**

## PCS-E ( ) LKP ( )- ( )+R
① ② ③ ④ ⑤

① Series name
② No. of contacts: 36, 50, 68 or 80
③ Type of backshell
　LKP: Vertical type backshell for larger diameter cables with provision for preventing misinsertion

④ Identification mark (A, B or C) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

**For 36-contact backshell**

**For 50,68 and 80-contact backshell**

● **Components**

| | |
|---|---|
| ① | Cable clamp |
| ② | ⊕Small-sized Phillips head screw |
| ③ | Latch |
| ④ | Cover B |
| ⑤ | Cover A |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

Key-riveted position No.

● **Dimensions**

| Part No. | A | B | C | D | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|---|---|
| PCS-E36LKPA-( )+R | 10×11 | 30.5 | 40.2 | 11.6 | ø8 | 1D, 2C, 3B, 4A |
| PCS-E36LKPB-( )+R | | | | | ø10.5 | |
| PCS-E50LKPA-( )+R | 10×12 | 39.2 | 48.9 | | ø10 | 1E, 2D, 4B, 5A |
| PCS-E50LKPC-( )+R | | | | | ø11.5 | |
| PCS-E68LKPA-( )+R | 10×13 | 50.6 | 60.3 | | ø12 | |
| PCS-E68LKPB-( )+R | | | | | ø10 | |
| PCS-E80LKPA-( )+R | 10×10 | 58.2 | 67.9 | | ø9.5 | |
| PCS-E80LKPB-( )+R | 15×13.6 | | | 15.0 | ø13 | |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# Vertical type die-cast material backshell for larger diameter cable with mating guide for preventing misinsertion
## PCS-E96LKP( )-( )+R

RoHS

**1.27 mm pitch connector**

**Backshell**

**Vertical**

**EMI-filtered**

● **Configuration of product Part No.**

## PCS-E 96 LKP ( )- ( )+R
①　②　③　④　⑤

① Series name
② No. of contacts: 96
③ Type of backshell
　LKP: Vertical type backshell for larger diameter cables with provision for preventing misinsertion

④ Identification mark (A or B) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

A　Cable　(The dimensions are shown below.)

52

11.6

10

36

⑥

③　④

⑤

78.1

52

A　B　C　D　E

5.2

1　2　3　4　5

58

Key-riveted position No.

⑦

● **Components**

| | |
|---|---|
| ① | Cover A |
| ② | Cover B |
| ③ | Cable clamp |
| ④ | ⊕Small-sized Phillips head screw |
| ⑤ | Latch |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

● **Dimensions**

| Part No. | A | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|
| PCS-E96LKPA-( )+R | ø10 | ø10 | 1E, 2D, 4B, 5A |
| PCS-E96LKPB-( )+R | 13×7.5 | ø7.5×2 | |

**For use with connector:** PCS-E series IDC type female connector for cable
　　　　　　　　　　　PCS-XE series IDC type male connector for cable

**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Vertical type die-cast material backshell for larger diameter cable with provision for preventing misinsertion
# PCS-E96LKP1A-( )+R
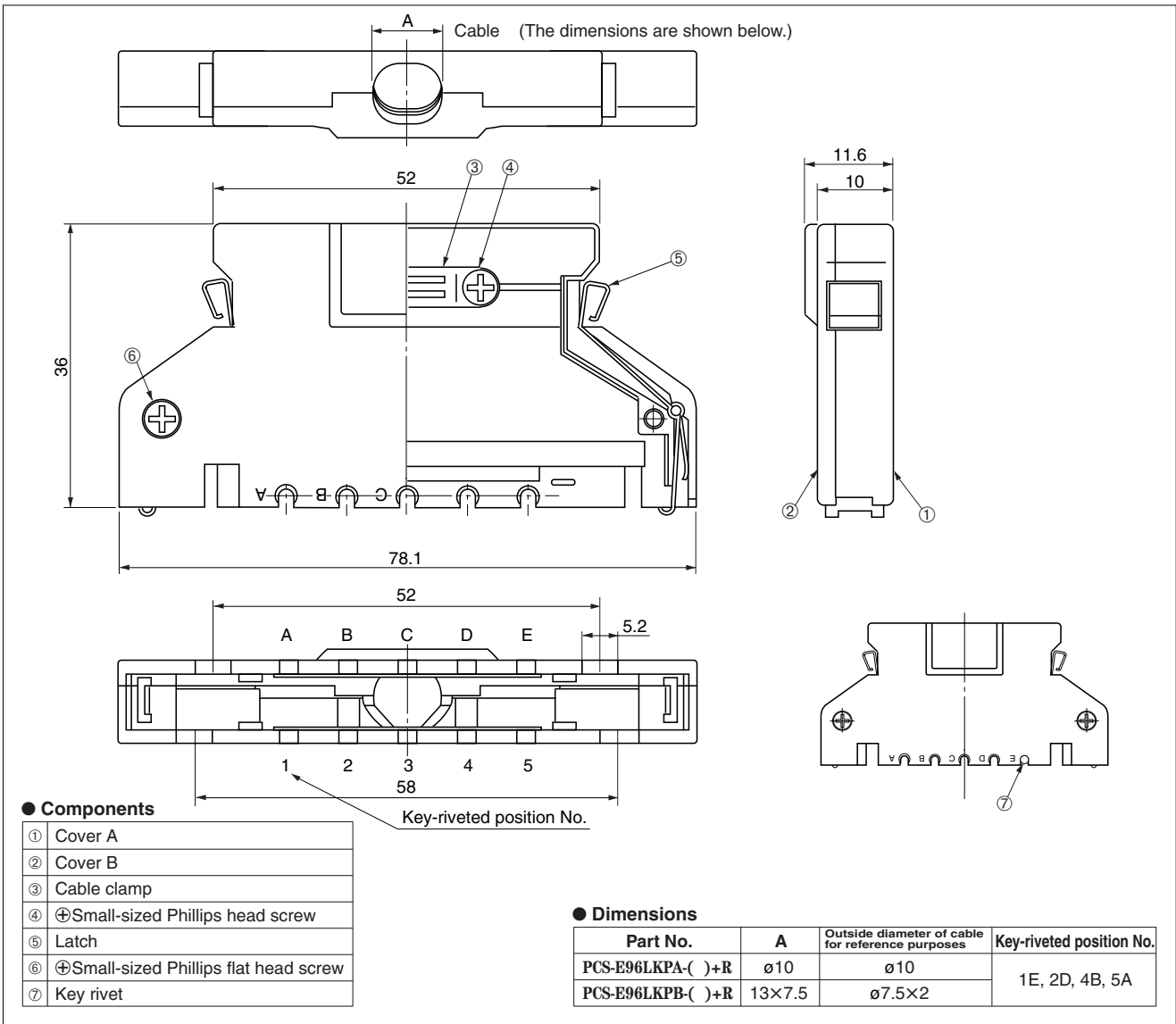
RoHS

**Backshell**

**Vertical**

**EMI-filtered**

● **Configuration of product Part No.**

**PCS-E 96 LKP1 A- ( )+R**
① ② ③ ④ ⑤

① Series name
② No. of contacts: 96
③ Type of backshell
    LKP1: Vertical type backshell for larger diameter cables with provision for preventing misinsertion

④ Identification mark (A) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

● **Components**

| | |
|---|---|
| ① | Cover A |
| ② | Cover B |
| ③ | Cable clamp |
| ④ | ⊕Small-sized Phillips head screw |
| ⑤ | Latch |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

Key-riveted position No.

● **Dimensions**

| Part No. | A | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|
| PCS-E96LKP1A-( )+R | 10×9 | ø10 | 1E, 2D, 4B, 5A |

**For use with connector:** PCS-E series IDC type female connector for cable

PCS-XE series IDC type male connector for cable

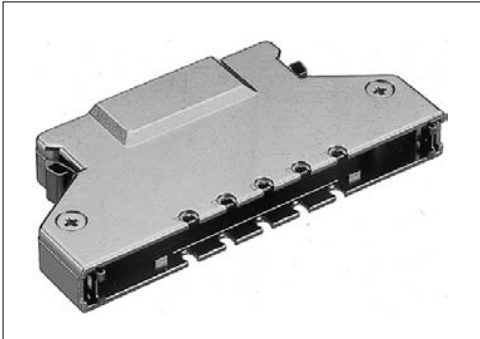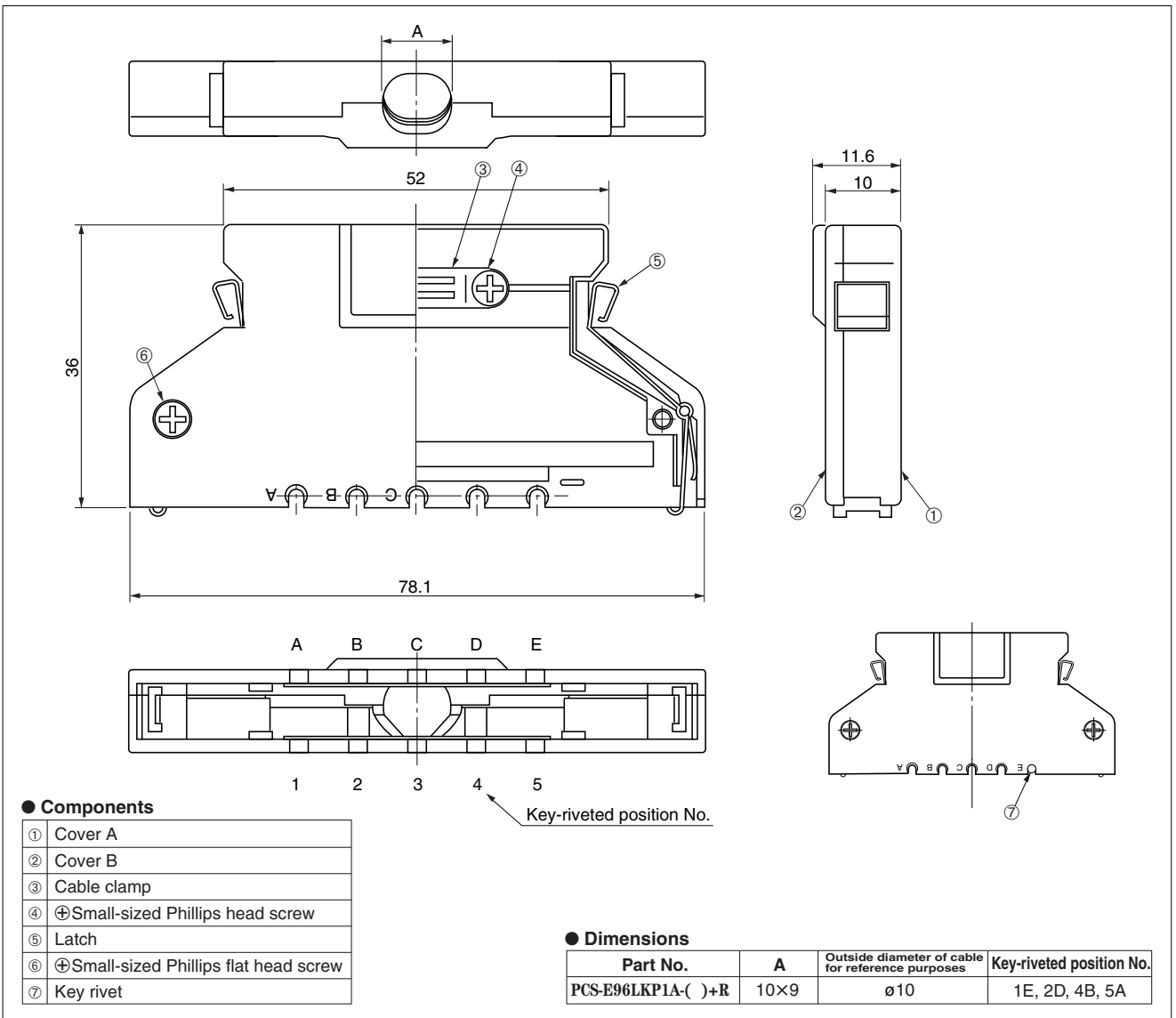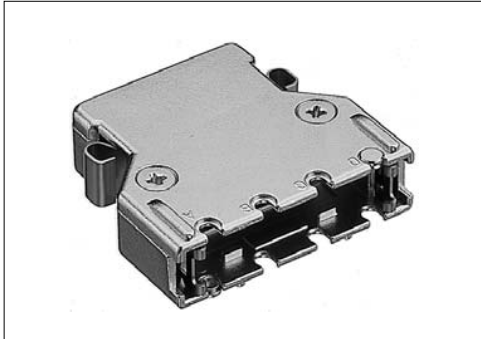**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# Vertical type die-cast material backshell for standard cable with mating guide for preventing misinsertion
## PCS-E( )LGP( )-( )+R

RoHS

**1.27 mm pitch connector**

**Backshell**

**Vertical**

**EMI-filtered**

● **Configuration of product Part No.**

## PCS-E ( ) LGP ( )- ( )+R
　　　①　②　③　④　⑤

① Series name
② No. of contacts: 26 or 36
③ Type of backshell
　LGP: Vertical type backshell for standard cables with mating guide for preventing misinsertion

④ Identification mark (A) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

● **Components**

| ① | Cover A |
|---|---|
| ② | Cover B |
| ③ | Latch |
| ④ | Cable clamp |
| ⑤ | ⊕Small-sized Phillips head screw |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

Guide position of the 28-contact backshell
Key-riveted position No.

| Part No. | A | B | C | D | E | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|---|---|---|
| PCS-E28LGPA-( )+R | 35.0 | 25.3 | 30 | 16 | 5×6.5 | ø5.5, ø5.9 | 1D, 2C, 3B, 4A |
| PCS-E36LGPA-( )+R | 40.2 | 30.5 | 34 | 31 | 8×9.5 | ø8.4, ø9 | |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

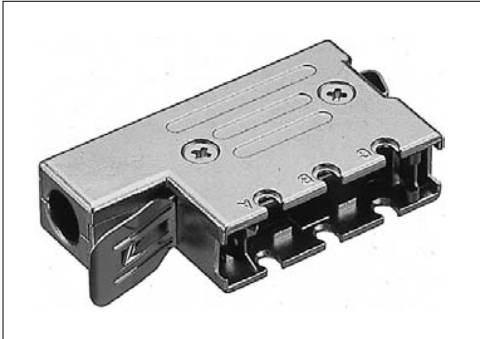**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Horizontal type die-cast material backshell for standard cable with provision for preventing misinsertion PCS-E( )WSP-( )+R

RoHS

**Backshell**
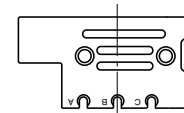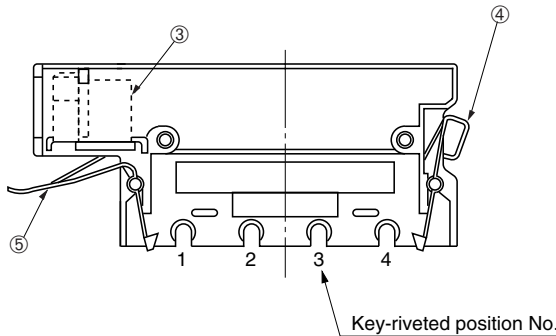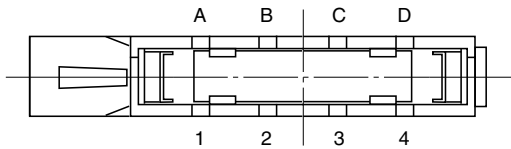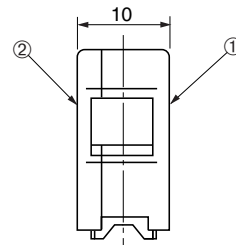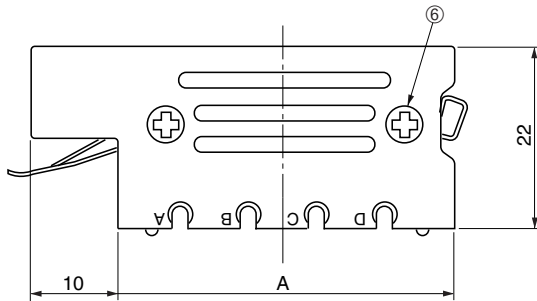
**Horizontal**

**EMI-filtered**

● **Configuration of product Part No.**

## PCS-E ( ) WSP- ( )+R
　　①　　②　　③　　④

① Series name
② No. of contacts: 20, 28, 36 or 50
③ Type of backshell
　WSP: Horizontal type backshell for standard cables with mating guide for preventing misinsertion
④ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.



The form of the 20-contact backshell
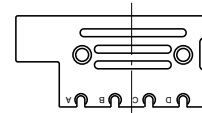
The form of the 28-contact backshell
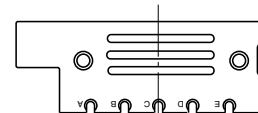
The form of the 50-contact backshell

Key-riveted position No.

● **Components**

| ① | Cover A |
|---|---|
| ② | Cover B |
| ③ | Cable clamp |
| ④ | Latch A |
| ⑤ | Latch B |
| ⑥ | ⊕Small-sized Phillips flat head screw |

● **Dimensions**

| Part No. | A | B | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|
| PCS-E20WSP-( )+R | 30.0 | ø6 | ø5 | 1B, 1C, 2A, 3A |
| PCS-E28WSP-( )+R | 35.0 | ø6 | ø5.5 | 1D, 2C, 3B, 4A |
| PCS-E36WSP-( )+R | 40.2 | ø7.6 | ø6 | 1D, 2C, 3B, 4A |
| PCS-E50WSP-( )+R | 48.9 | ø7.6 | ø6.5 | 1E, 2D, 4B, 5A |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
　　PCR series IDC type or soldering type female connector for cable
　　PCS-XE series IDC type male connectors for cable

**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# ⊕ HONDA TSUSHIN KOGYO CO., LTD.

**1.27 mm pitch connector**

## Horizontal type die-cast material backshell for larger diameter cable with provision for preventing misinsertion
## PCS-E( )WKP( )-( )+R

RoHS

**Backshell**

**Horizontal**

**EMI-filtered**

● **Configuration of product Part No.**

$$\underset{①}{\text{PCS-E}} \underset{②}{\text{( )}} \underset{③}{\text{WKP}} \underset{④}{\text{( )-}} \underset{⑤}{\text{( )+R}}$$

① Series name
② No. of contacts: 36, 50, 68, 80
③ Type of backshell
   WKP: Horizontal type backshell for larger diameter cables with mating guide for preventing misinsertion

④ Identification mark (A or B) of cable-end-outlet dimension. Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.



11.6

B

37.0

35.5

1.5    A

10.0

④

⑤

5  4  3  2  1

5  4  3  2  1

E  D  C  B  A

Key-riveted position No.

①

②

③

B  C  D  E

⑥

⑦

● **Components**

| | |
|---|---|
| ① | Cable clamp |
| ② | ⊕ Small-sized Phillips head screw |
| ③ | Latch |
| ④ | Cover B |
| ⑤ | Cover A |
| ⑥ | ⊕ Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

● **Dimensions**

| Part No. | A | B | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|
| PCS-E36WKPA-( )+R | 40.2 | 10.5×9.5 | ø9.5 | 1D, 2C, 3B, 4A |
| PCS-E50WKPB-( )+R | 48.9 | 12×10 | ø11.5 | |
| PCS-E68WKPA-( )+R | 60.3 | 11×10 | ø10.5 | 1E, 2D, 4B, 5A |
| PCS-E80WKPA-( )+R | 67.9 | 10.5×9.5 | ø9.5 | |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable

**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Horizontal type die-cast material backshell for larger diameter cable with provision for preventing misinsertion PCS-E96WKP( )-( )+R

RoHS

● Configuration of product Part No.

## PCS-E 96 WKP ( )- ( )+R
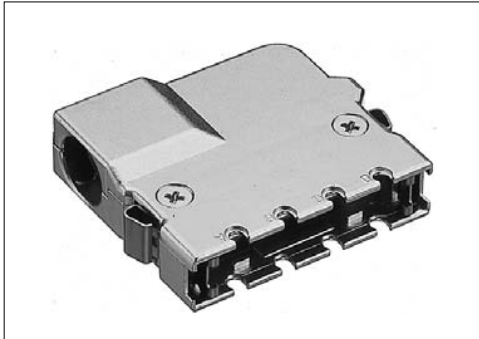①　②　③　④　⑤

① Series name
② No. of contacts: 96
③ Type of backshell
　WKP: Horizontal type backshell for larger diameter cables with mating guide for preventing misinsertion
④ Identification mark (B) of cable-end-outlet dimension.
　Cable diameters for reference purposes are shown in the Dimension table as shown below.
⑤ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

11.6
A
B
43.2
1.5
78.1
10.0
① ② ③ ④ ⑤ ⑥
⑦ Key rivet (Option)

5 4 3 2 1
E D C B A
Key-riveted position No.

● Components

| | |
|---|---|
| ① | Cable clamp |
| ② | ⊕Small-sized Phillips head screw |
| ③ | Latch |
| ④ | Cover B |
| ⑤ | Cover A |
| ⑥ | ⊕Small-sized Phillips flat head screw |
| ⑦ | Key rivet |

● Dimensions

| Part No. | No. of contacts | A | B | Outside diameter of cable for reference purposes | Key-riveted position No. |
|---|---|---|---|---|---|
| PCS-E96WKPB-( )+R | 96 | 10 | 15 | ø10 | 1E, 2D, 4B, 5A |

**For use with connector:** PCS-E series IDC type or soldering type female connector for cable
PCR series IDC type or soldering type female connector for cable
PCS-XE series IDC type male connector for cable
**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

**1.27 mm pitch connector**

**Backshell**

**Vertical**

# Vertical type die-cast material backshell for flat cable with provision for preventing misinsertion
## PCS-E( )LTP-( )+R

RoHS

● **Configuration of product Part No.**

**PCS-E ( ) LTP- ( )+R**
　　①　②　③　　④

① Series name
② No. of contacts: 50 or 68
③ Type of backshell
　　LTP: Vertical type backshell for flat cables with mating guide for preventing misinsertion
④ Key-riveted position (Refer to the Dimension table as shown below) for preventing misinsertion.

Key-riveted position No.

● **Components**

| | |
|---|---|
| ① | Cover B |
| ② | Cover A |
| ③ | Latch |
| ④ | Cable clamp |
| ⑤ | ⊕Small-sized Phillips head screw |
| ⑥ | Hex nuts |
| ⑦ | Key rivet |

● **Dimensions**

| Part No. | A | B | C | Key-riveted position No. |
|---|---|---|---|---|
| **PCS-E50LTP-( )+R** | 50.9 | 48.9 | 32.2 | 1E, 2D, 4B, 5A |
| **PCS-E68LTP-( )+R** | 62.3 | 60.3 | 43.5 | |

**For use with connector:** PCS-E series IDC type female connector for cable
PCS-XE series IDC type male connector for cable

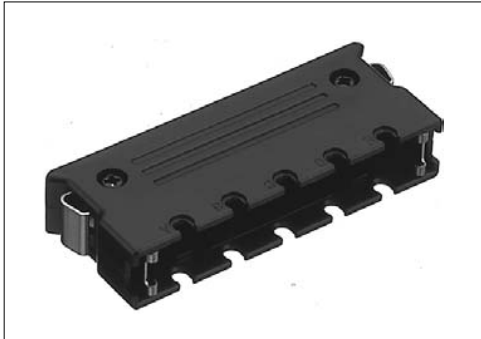**Accessories:** Key-rivets for preventing misinsertion, PCS-E-PK+R

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# Vertical type die-cast material backshell for larger diameter cable
# PCS-E68LKAU2N

RoHS

**1.27 mm pitch connector**
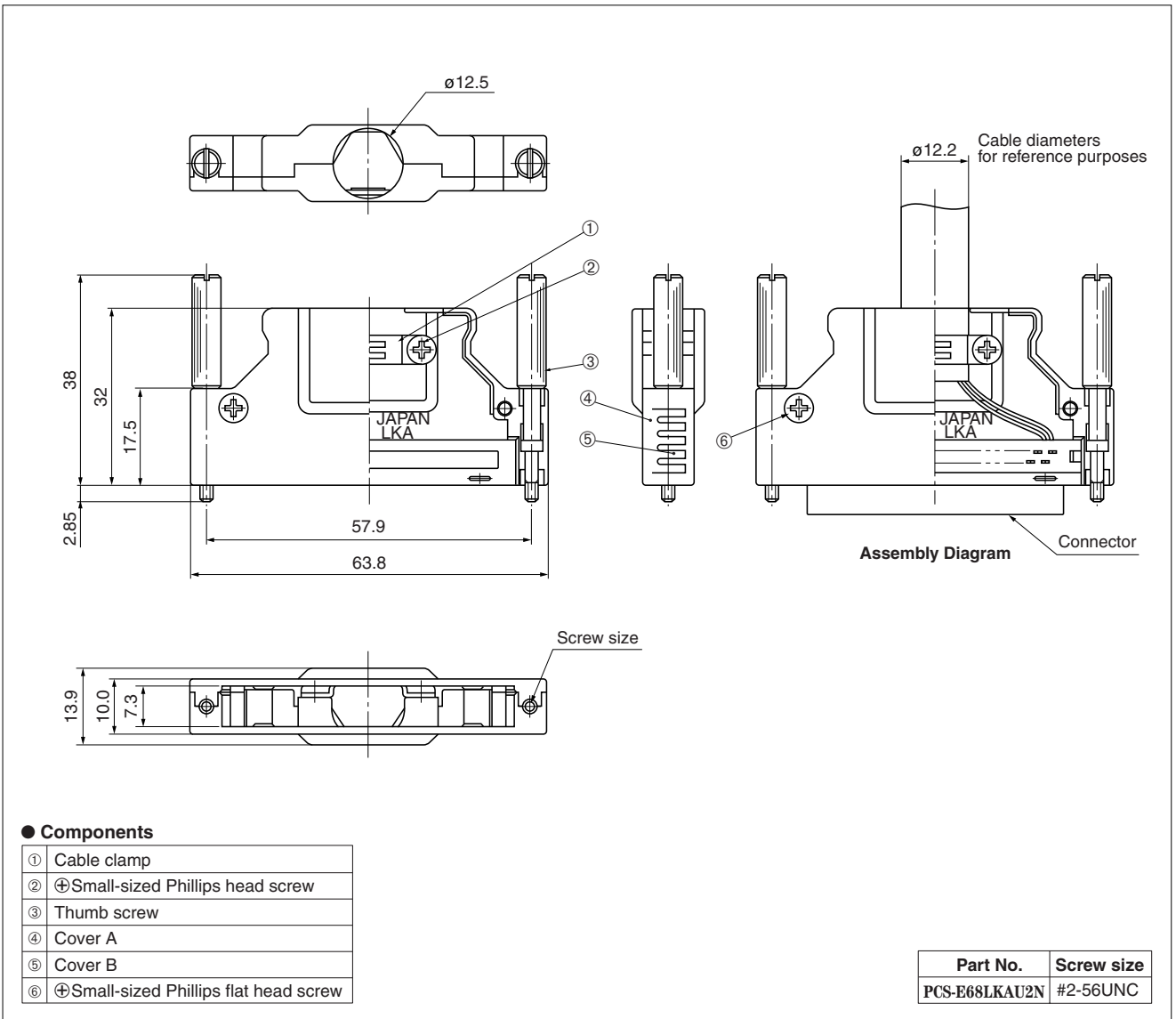
**Backshell**

**Vertical**

**SCSI-III**

● **Configuration of product Part No.**

**PCS-E 68 LK A U2 N**
　　　　① 　② 　③ ④ ⑤ ⑥

① Series name
② No. of contacts: 68
③ Type of backshell: Vertical type backshell for lager diameter housing
④ Identification mark (A) of cable-end-outlet dimension. Cable diameters for reference purposes are shown below.
⑤ Screw size
　 U2: #2-56UNC
⑥ Lock type
　 N: Screw lock

ø12.5

ø12.2　Cable diameters for reference purposes

① 
② 
③ 
④ 
⑤ 
⑥ 

JAPAN
LKA

JAPAN
LKA

38
32
17.5
2.85
57.9
63.8

**Assembly Diagram**　Connector

Screw size

13.9
10.0
7.3

● **Components**

| ① | Cable clamp |
|---|---|
| ② | ⊕Small-sized Phillips head screw |
| ③ | Thumb screw |
| ④ | Cover A |
| ⑤ | Cover B |
| ⑥ | ⊕Small-sized Phillips flat head screw |

| Part No. | Screw size |
|---|---|
| PCS-E68LKAU2N | #2-56UNC |

**For use with connector:** PCS-E series IDC type female connector
　　　　　　　　　　　　　PCS-XE series IDC type male connector for cable

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |

**1.27 mm pitch connector**

**Backshell**

**Vertical**

RoHS

**SCSI-III**

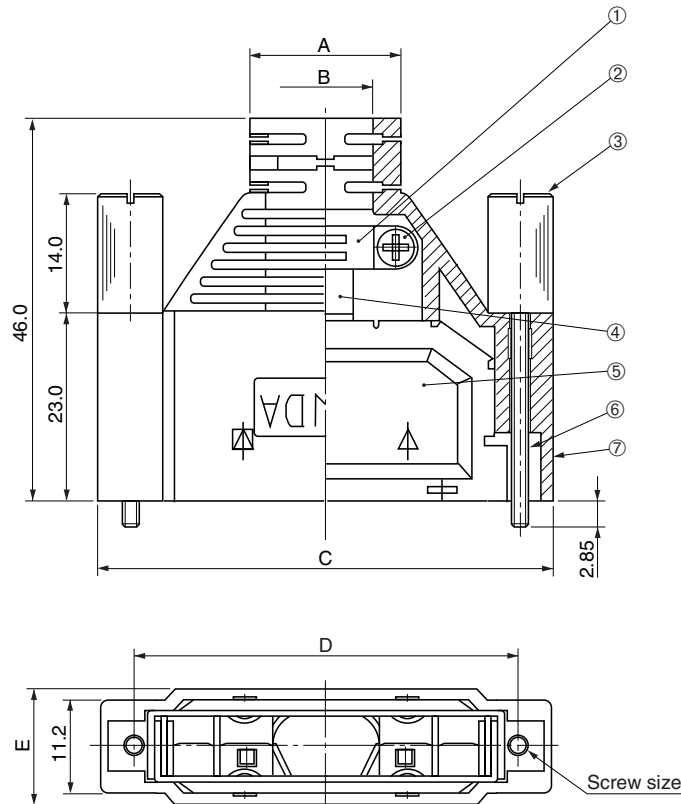# Vertical type over-molded backshell
## PCS-XEM( )DL( )( )N

● **Configuration of product Part No.**

**PCS-XEM ( ) DL ( ) ( ) N**
     ①   ② ③ ④ ⑤ ⑥

① Series name
② No. of contacts: 50 or 68
③ Type of backshell
  DL: Vertical type backshell
④ Color of hood
  Blank: Black
  1   : Beige
  2   : Green
  3   : Grey

⑤ Screw size
  Blank: M2.5×0.45
  U   : #4-40UNC
  U2  : #2-56UNC (standard)
⑥ Lock type
  N: Screw lock



● **Components**

| | |
|---|---|
| ① | Cable clamp |
| ② | ⊕Small-sized Phillips head screw |
| ③ | Caps |
| ④ | Seal A |
| ⑤ | Seal B |
| ⑥ | Screw lock |
| ⑦ | Hood |

● **Dimensions**

| Part No. | A | B | C | D | E | Outside diameter of cable for reference purposes |
|---|---|---|---|---|---|---|
| PCS-XEM50DL( )( )N | 17.6 | ø11 | 54.0 | 46.5 | 14.0 | ø10.5 |
| PCS-XEM68DL( )( )N | 19.3 | ø12.7 | 65.43 | 57.9 | 15.7 | ø12.2 |

| Part No. | Screw size |
|---|---|
| PCS-XEM( )DL( )N | M2.5×0.45 |
| PCS-XEM( )DL( )UN | #4-40UNC |
| PCS-XEM( )DL( )U2N | #2-56UNC |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**For use with connector:** PCS-E series IDC type female connector

PCS-XE series IDC type male connector for cable

Through hole    SMT    Press-in    IDC    Soldering    Crimping    Wire wrapping    Others

# Vertical type over-molded backshell
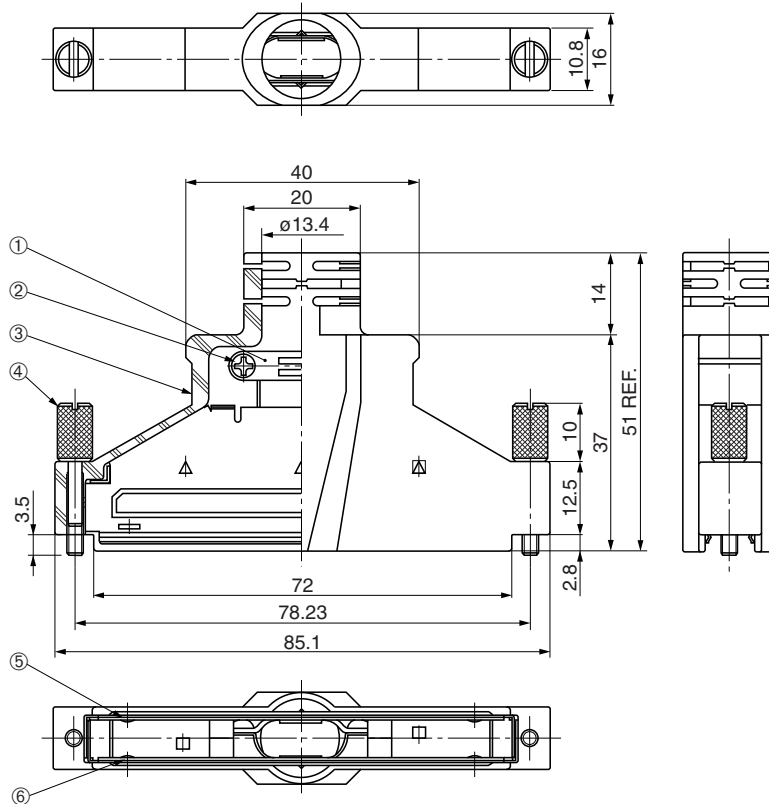# PCS-XEM100L( )( )

RoHS

● **Configuration of product Part No.**

**PCS-XEM 100 L ( ) ( )**
　　　　　①　　② ③ ④ ⑤

① Series name
② No. of contacts: 100
③ Type of backshell
　 L: Vertical type backshell
④ Color of hood
　 Blank: Black
　 1　　: Beige

⑤ Screw size
　 Blank: #4-40UNC
　 U2　 : #2-56UNC



● **Components**

| ① | Cable clamp |
|---|---|
| ② | ⊕ Small-sized Phillips head screw |
| ③ | Hood |
| ④ | Fastening screw |
| ⑤ | Shield B |
| ⑥ | Shield A |

● **Dimensions**

| Part No. | Color of housing | Screw size | Outside diameter of cable for reference purposes |
|---|---|---|---|
| PCS-XEM100L | Black | #4-40UNC | ø13.2 |
| PCS-XEM100LU2 | Black | #2-56UNC | |
| PCS-XEM100L1 | Beige | #4-40UNC | |
| PCS-XEM100L1U2 | Beige | #2-56UNC | |

**For use with connector:** PCS-XE series IDC type male connector for cable

| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |

**1.27 mm pitch connector**

**Backshell**

**Vertical**

**SCSI-III**

# Vertical type die-cast material backshell
# for daisy chain connection
## PCS-SE68LDAU2N

RoHS

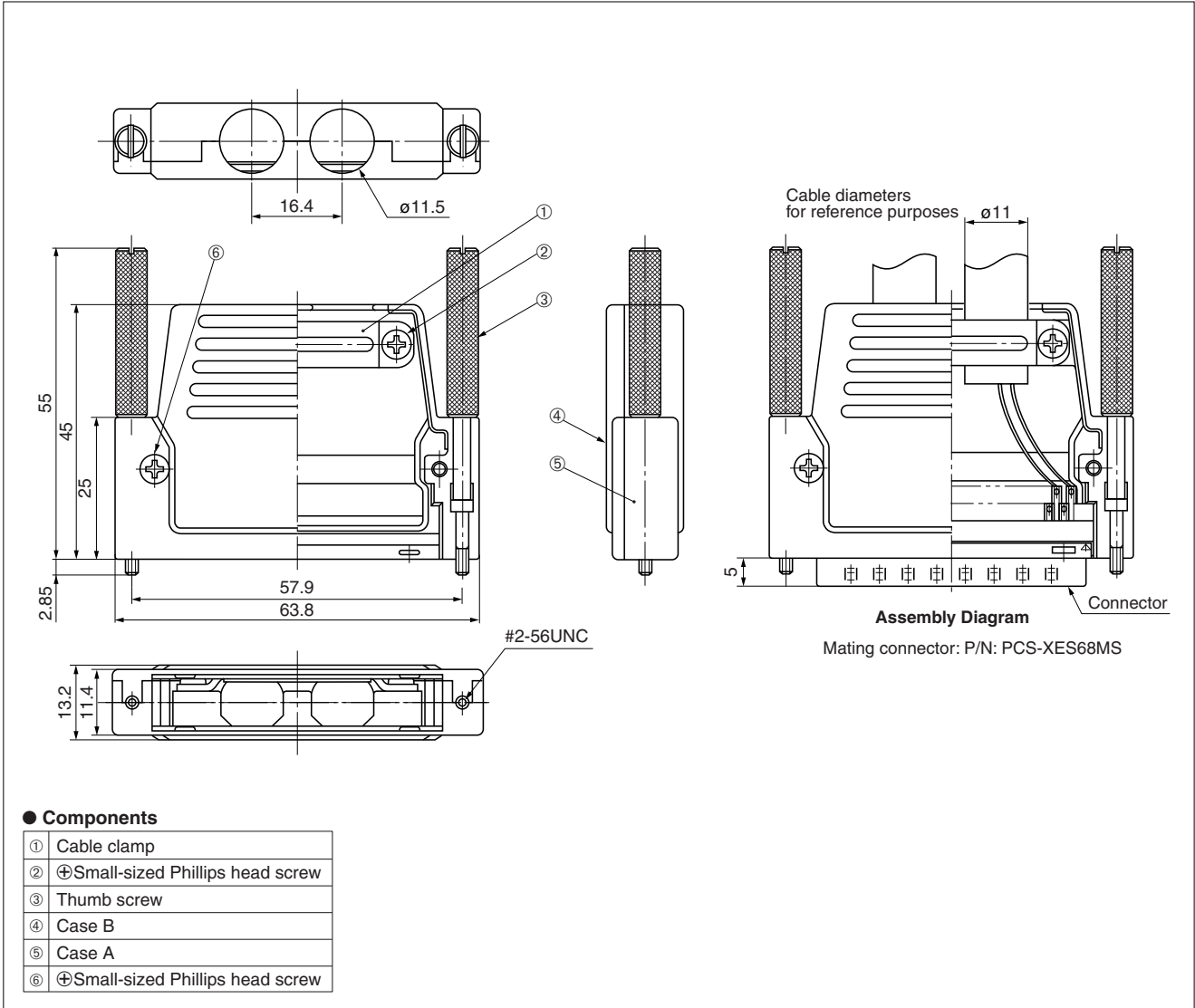● **Configuration of product Part No.**

## PCS-SE 68 LD A U2 N
① ② ③ ④ ⑤ ⑥

① Series name
② No. of contacts: 68
③ Type of backshell
  LD: Vertical type backshell
④ Identification mark (A) of cable-end-outlet dimension.
⑤ Screw size
  U2: #2-56UNC
⑥ Lock type
  N: Screw lock



16.4    ø11.5

Cable diameters
for reference purposes    ø11

55
45
25
2.85

57.9
63.8

#2-56UNC

13.2
11.4

5

**Assembly Diagram**

Mating connector: P/N: PCS-XES68MS

Connector

● **Components**

| ① | Cable clamp |
|---|---|
| ② | ⊕Small-sized Phillips head screw |
| ③ | Thumb screw |
| ④ | Case B |
| ⑤ | Case A |
| ⑥ | ⊕Small-sized Phillips head screw |

**For use with connector:** PCS-XES series soldering type male connector for cable

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

# 1.6 mm panel-thickness mating guide
## PCS-E( )G

RoHS

● **Configuration of product Part No.**

$$\underset{①}{\underline{PCS\text{-}E}} \quad \underset{②}{\underline{(\phantom{x})}} \quad \underset{③}{\underline{G}}$$

① Series name
② No. of contacts: 20, 28, 36 or 50
③ 1.6 mm panel-thickness mating guide
　(Color: Silver metallic)
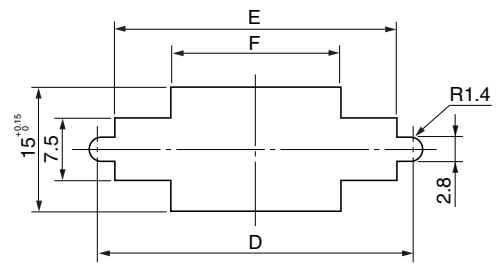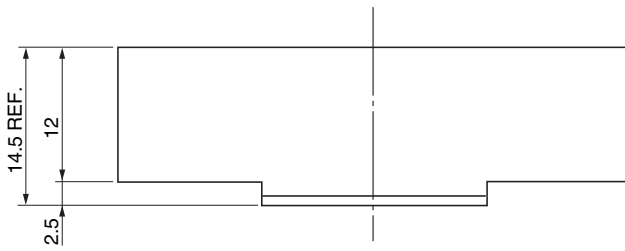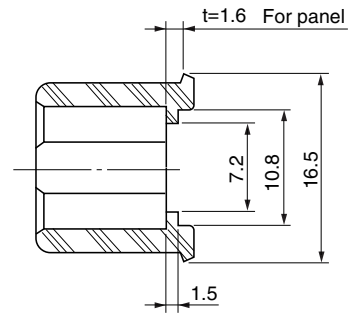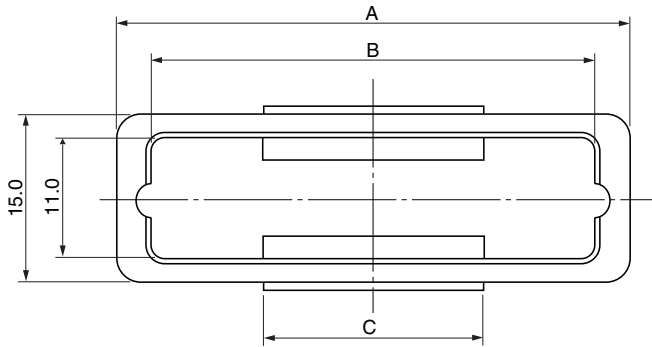
**Recommended panel cut-out dimensions**

● **Dimensions**

| Part No. | A | B | C | D | E | F |
|---|---|---|---|---|---|---|
| **PCS-E20G** | 37.3 | 30.7 | 11 | 27.4 | 23.7 | 11.3 |
| **PCS-E28G** | 42.3 | 35.7 | 16 | 32.5 | 28.8 | 16.3 |
| **PCS-E36G** | 47.6 | 40.9 | 20 | 37.6 | 33.9 | 20.3 |
| **PCS-E50G** | 56.3 | 49.6 | 30 | 46.5 | 42.8 | 30.3 |

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.

**For use with connector:** PCS-E series vertical type or horizontal type housing

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |
|---|---|---|---|---|---|---|---|

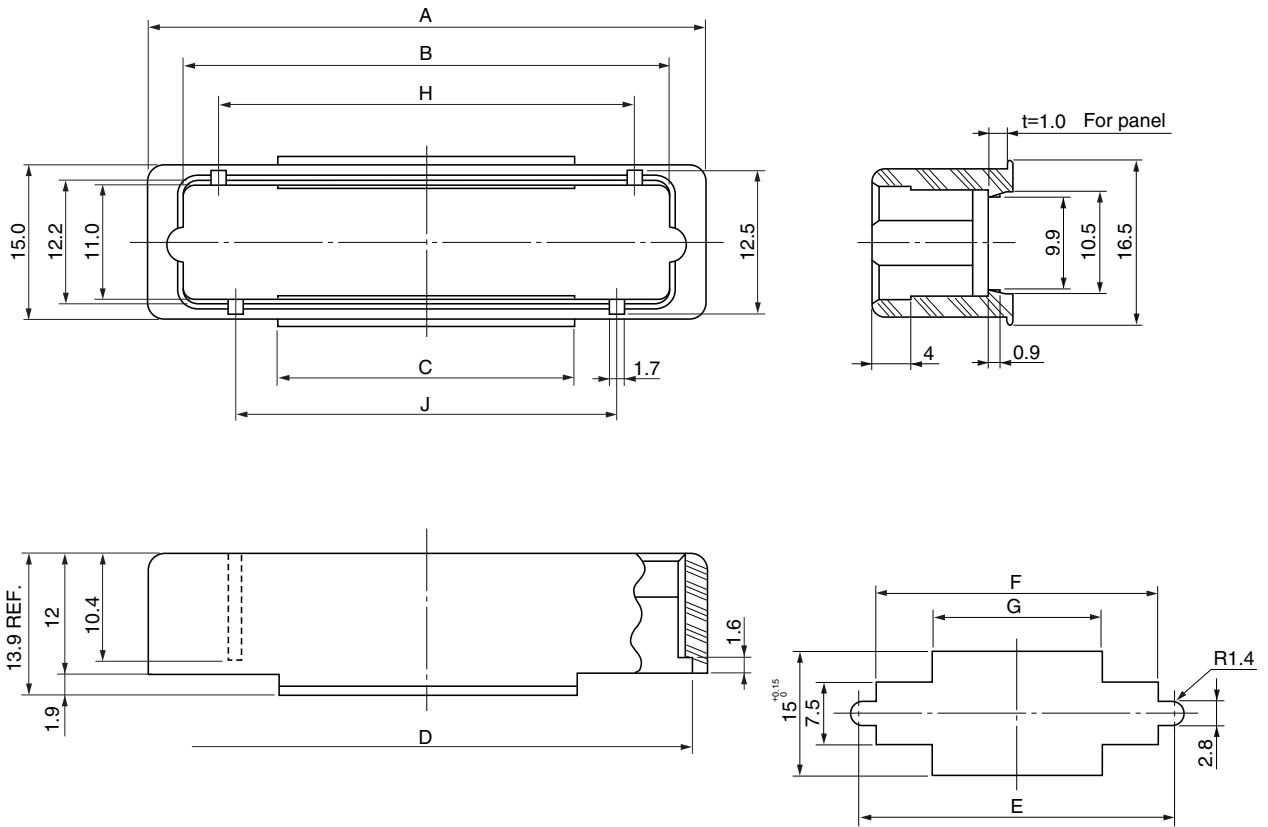# 1.0 mm panel-thickness mating guide
# PCS-E( )G1

RoHS

● **Configuration of product Part No.**

## PCS-E ( ) G1
　　　　① 　 ② 　③

① Series name
② No. of contacts: 20, 28, 36, 50 or 68
③ 1.0 mm panel-thickness mating guide



t=1.0　For panel

**Recommended panel cut-out dimensions**

● **Dimensions**

| Part No. | A | B | C | D | E | F | G | H | J |
|---|---|---|---|---|---|---|---|---|---|
| PCS-E20G1 | 37.3 | 30.7 | 11 | 33.0 | 27.4 | 23.7 | 11.3 | 25 | 8 |
| PCS-E28G1 | 42.3 | 35.7 | 16 | 38.1 | 32.5 | 28.8 | 16.3 | 30 | 16 |
| PCS-E36G1 | 47.6 | 40.9 | 20 | 43.2 | 37.6 | 33.9 | 20.3 | 34 | 31 |
| PCS-E50G1 | 56.3 | 49.6 | 30 | 52.1 | 46.5 | 42.8 | 30.3 | 42 | 39 |
| PCS-E68G1 | 67.7 | 61.0 | 40 | 63.5 | 57.9 | 54.1 | 40.3 | 52 | 49 |

**For use with connector:** PCS-E series vertical type housing for standard cable or heavy wire cable with mating guide
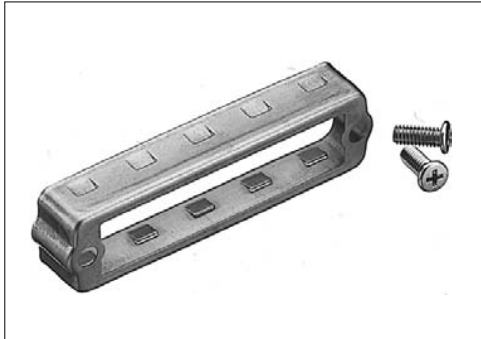
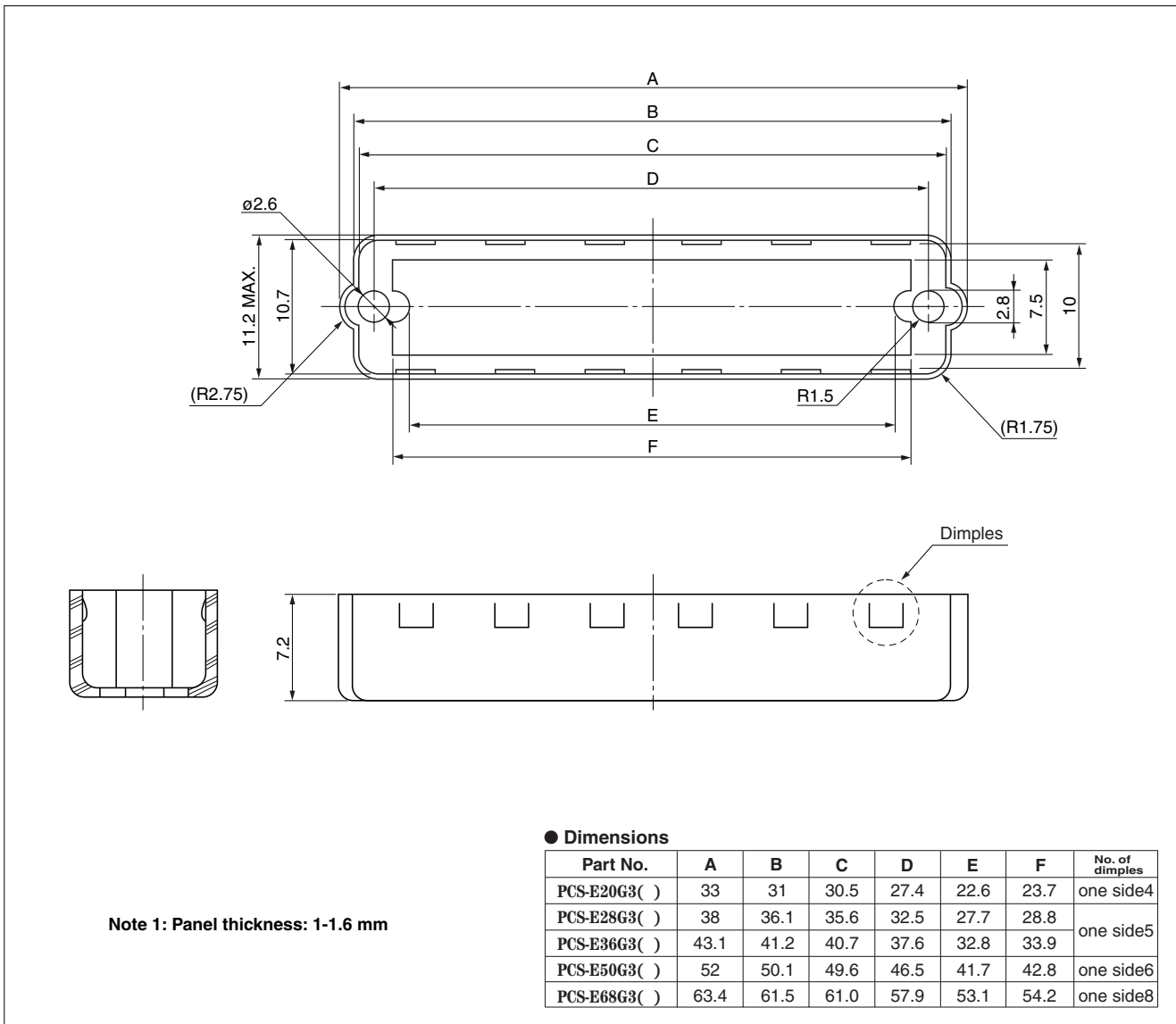| Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole |
|---|---|---|---|---|---|---|---|

# Metallic mating guide
## PCS-E( )G3( )

RoHS

● **Configuration of product Part No.**

**PCS-E ( ) G3 ( )**
①    ②  ③  ④

① Series name
② No. of contacts: 20, 28, 36, 50 or 68
③ Metallic mating guide
④ Guide plating
  Blank: No plating
  N    : Nickel plating



ø2.6

11.2 MAX.

10.7

2.8

7.5

10

(R2.75)

R1.5

(R1.75)

A

B

C

D

E

F

Dimples

7.2

**Note 1: Panel thickness: 1-1.6 mm**

● **Dimensions**

| Part No. | A | B | C | D | E | F | No. of dimples |
|---|---|---|---|---|---|---|---|
| PCS-E20G3( ) | 33 | 31 | 30.5 | 27.4 | 22.6 | 23.7 | one side4 |
| PCS-E28G3( ) | 38 | 36.1 | 35.6 | 32.5 | 27.7 | 28.8 | one side5 |
| PCS-E36G3( ) | 43.1 | 41.2 | 40.7 | 37.6 | 32.8 | 33.9 | |
| PCS-E50G3( ) | 52 | 50.1 | 49.6 | 46.5 | 41.7 | 42.8 | one side6 |
| PCS-E68G3( ) | 63.4 | 61.5 | 61.0 | 57.9 | 53.1 | 54.2 | one side8 |

**For use with connector:** PCS-E series vertical type housing for standard cable or heavy wire cable

PCS-E series of horizontal type housing for standard cable or heavy wire cable

Through hole   SMT   Press-in   IDC   Soldering   Crimping   Wire wrapping   Others

# Key rivet for preventing misinsertion
# PCS-E-PK+R

RoHS

● **Configuration of product Part No.**

**PCS-E- PK+R**
　　① 　②

① Series name
② Key rivet for preventing misinsertion
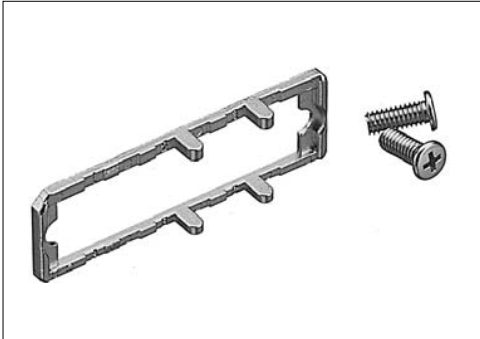
1.65
0.7
ø3
ø1.95

Caulk rivet
(Use specialized tool.)
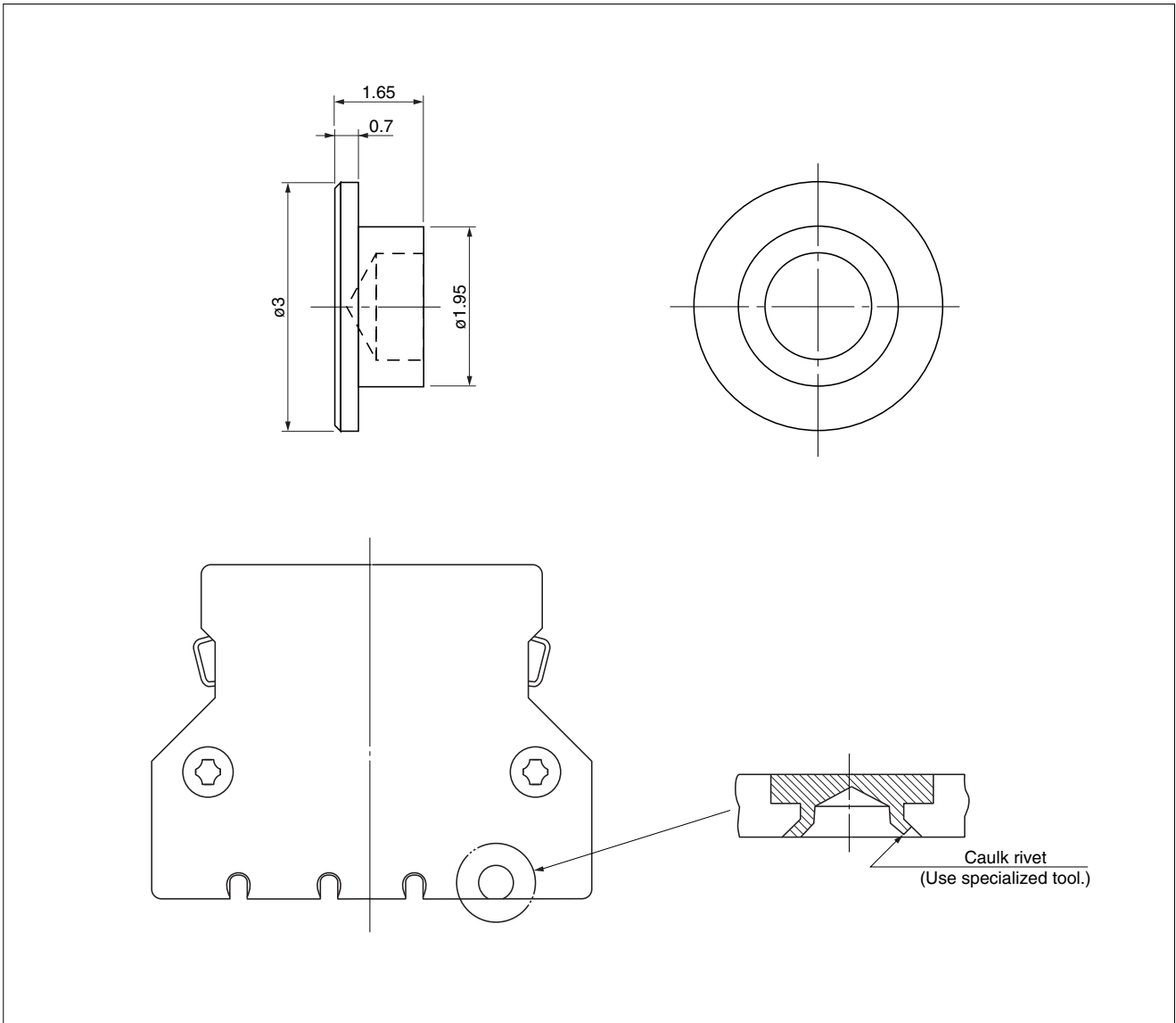
**For use with backshell:** PCS-E series vertical type backshell or horizontal type backshell with provision for preventing misinsertion

Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others
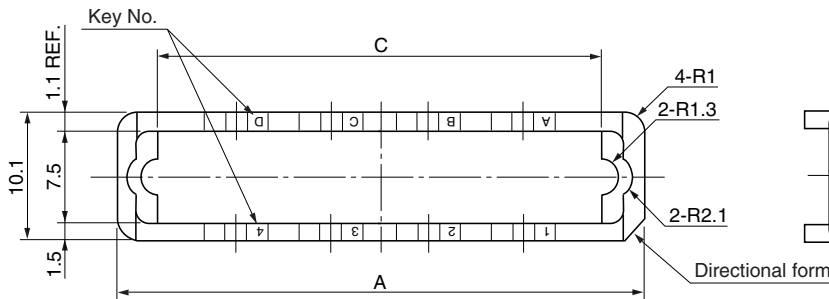
# Misinsertion prevention guide
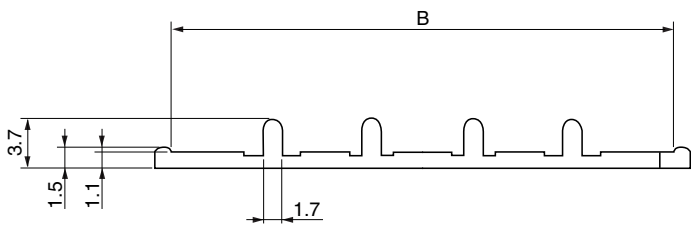## PCS-E( )PG-( )

RoHS

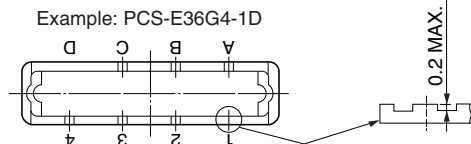● **Configuration of product Part No.**

### PCS-E ( ) PG- ( )
①　②　③　④

① Series name
② No. of contacts: 20, 28, 36, 50, 68 or 80
③ Misinsertion prevention guide
④ Locations being cut off the key forms for preventing misinsertion

Key No.
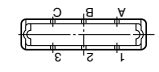
1.1 REF.
10.1
7.5
1.5

C

4-R1
2-R1.3
2-R2.1

A

Directional form

**For 20-contacts**

**For 28-contacts**

**For 36-contacts**

**For 50-contacts**

**For 68-contacts**

**For 80-contacts**

**Note 1: When a panel is not used, use the spacer hardware, PCS-E( )M-SP.**

B

3.7
1.5
1.1
1.7

0.8　6
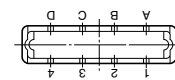ø4　M2.5

**Attached small screw**

0.2 MAX.

**Note 2: Designate the location No. in parentheses (④) for "Configuration of product part numbers." (Standard locations being cut off the key forms for preventing misinsertion are shown in the Dimension table.)**

Example: PCS-E36G4-1D

D　C　B　A
4　3　2　1

Because some combinations of "Configurations of Product Part No.", are under consideration for development, please contact us for availability details.
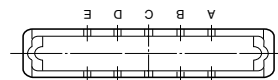
● **Dimensions**

| Part No. | A | B | C | Standard locations being cut off the key forms for preventing misinsertion |
|---|---|---|---|---|
| PCS-E20PG-( ) | 32.6 | 30.3 | 27.4 | 1B, 1C, 2A, 3A |
| PCS-E28PG-( ) | 37.7 | 35.3 | 32.5 | 1D, 2C, 3B, 4A |
| PCS-E36PG-( ) | 42.8 | 40.5 | 37.6 | |
| PCS-E50PG-( ) | 51.7 | 49.2 | 46.5 | 1E, 2D, 4B, 5A |
| PCS-E68PG-( ) | 63.1 | 60.6 | 57.9 | |
| PCS-E80PG-( ) | 70.7 | 68.2 | 65.5 | |

**For use with connector:** PCS-E series right-angle through hole type male connector for PCB
PCR-E series right-angle through hole type male connector for PCB
**Mating backshell:** PCS-E series of backshell with provision for preventing misinsertion

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole

# Misinsertion prevention guide
# PCS-E96PG-( )

RoHS
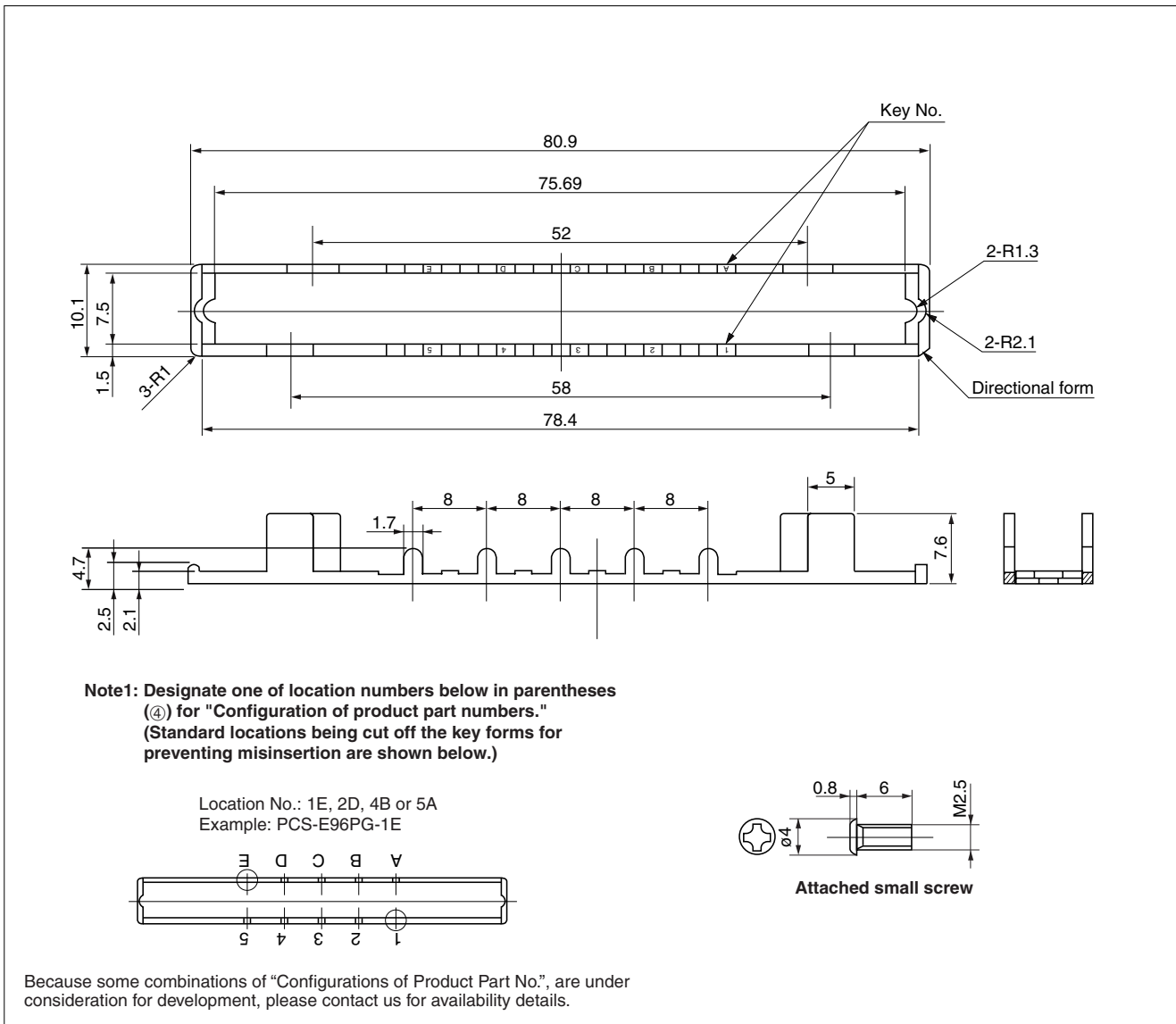
● **Configuration of product Part No.**

## PCS-E 96 PG- ( )
　　　① 　② 　③ 　　④

① Series name
② No. of contacts: 96
③ Misinsertion prevention guide
④ Locations being cut off the key forms for preventing misinsertion

Key No.

80.9

75.69

52

2-R1.3

10.1

7.5

2-R2.1

1.5

3-R1

Directional form

58

78.4

8   8   8   8

5

1.7

7.6

4.7

2.5
2.1

**Note1: Designate one of location numbers below in parentheses
(④) for "Configuration of product part numbers."
(Standard locations being cut off the key forms for
preventing misinsertion are shown below.)**

Location No.: 1E, 2D, 4B or 5A
Example: PCS-E96PG-1E

E  D  C  B  A

5  4  3  2  1

0.8   6

ø4

M2.5

**Attached small screw**

Because some combinations of "Configurations of Product Part No.", are under
consideration for development, please contact us for availability details.

**For use with backshell:** PCS-E series backshell with provision for preventing misinsertion. PCS-E96LKP( )-( )

| Through hole | SMT | Press-in | IDC | Soldering | Crimping | Wire wrapping | Others |

# Spacer hardware for male connector
## PCS-E( )M-SP

RoHS
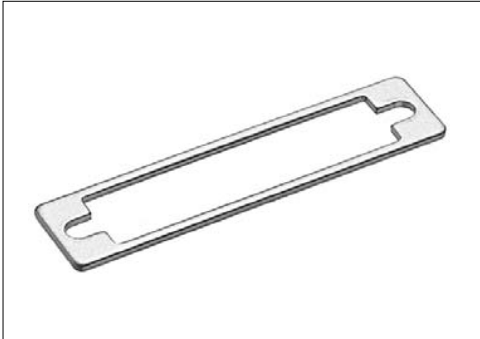
● **Configuration of product Part No.**

## PCS-E ( ) M-SP
   ①   ②   ③

① Series name
② No. of contacts: 20, 28, 36, 50, 68 or 96
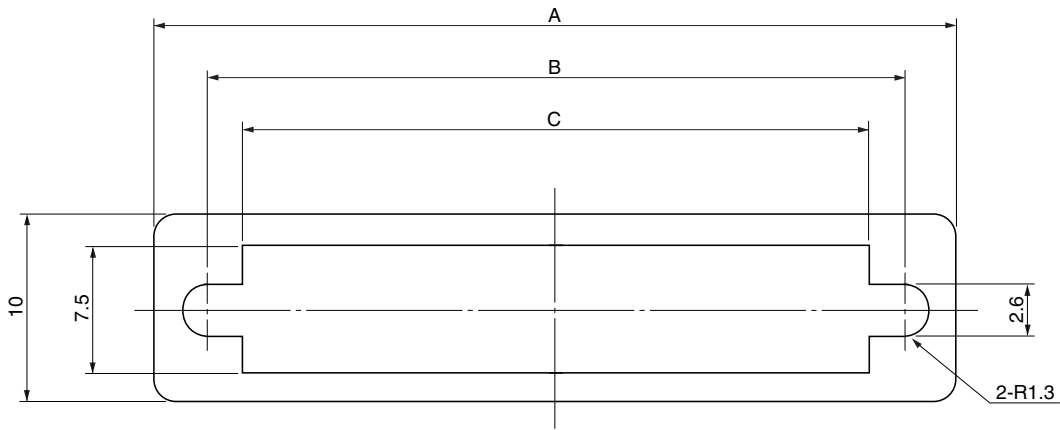③ Spacer hardware for male connectors

Plate thickness: 1.0 mm.

**Use this spacer hardware for male connectors, when a panel is not used.**

● **Dimensions**

| Part No. | A | B | C |
|---|---|---|---|
| PCS-E20M-SP | 32.8 | 27.4 | 22.8 |
| PCS-E28M-SP | 37.9 | 32.5 | 27.9 |
| PCS-E36M-SP | 43.0 | 37.6 | 33.0 |
| PCS-E50M-SP | 51.9 | 46.5 | 41.9 |
| PCS-E68M-SP | 63.3 | 57.9 | 53.3 |
| PCS-E96M-SP | 81.1 | 75.69 | 71.1 |

**For use with connector:** PCS-E series right-angle through hole type male connector for PCB
PCR-E series right-angle through hole type male connector for PCB

Others | Wire wrapping | Crimping | Soldering | IDC | Press-in | SMT | Through hole
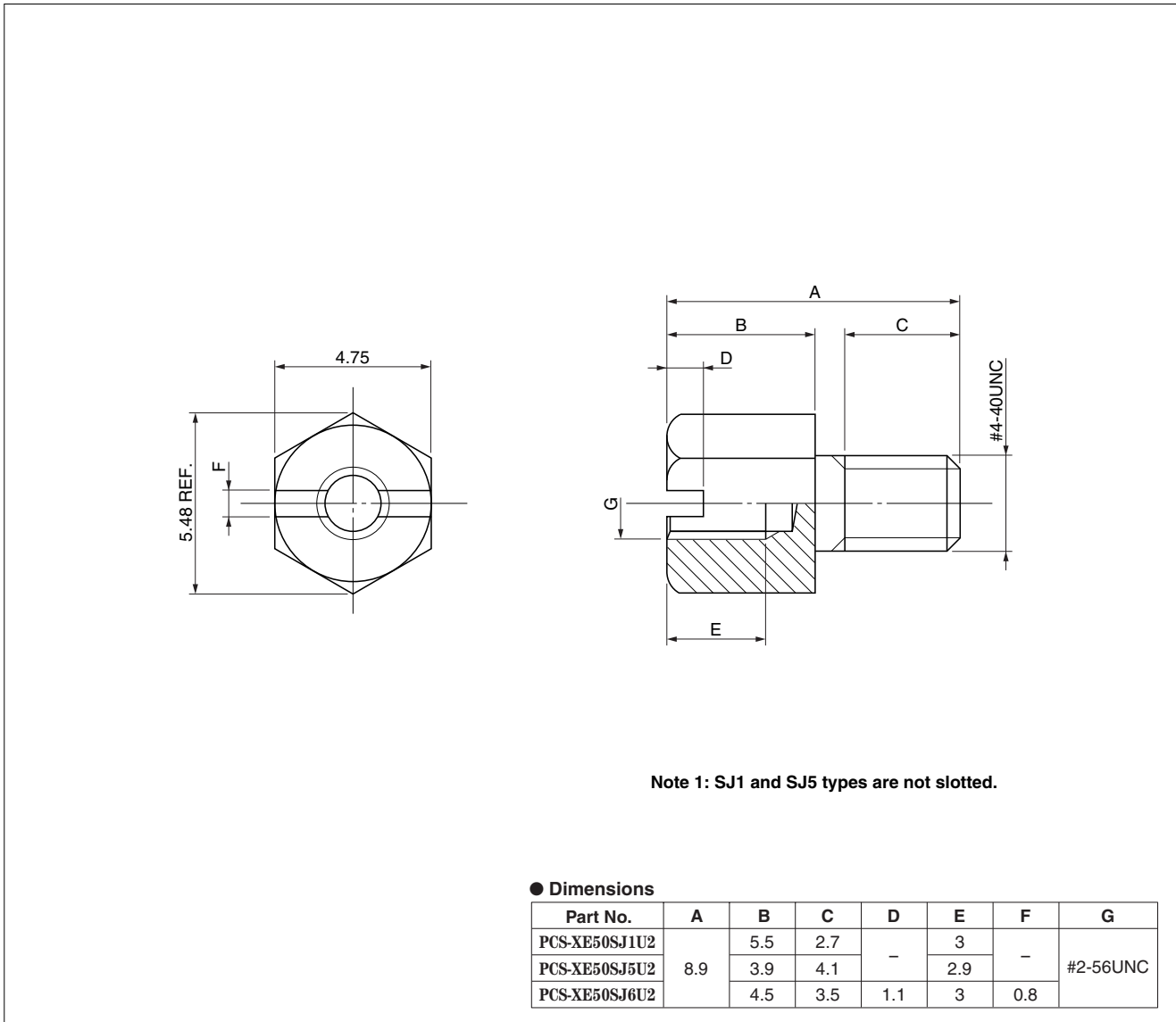
# Screw lock
# PCS-XE50SJ(　)U2

RoHS

● **Configuration of product Part No.**

## PCS-XE 50 SJ( ) U2
    ①       ②   ③

① Series name
② Kinds of screw locks
   SJ1: The type not mounted on panel (Male screw size, #4-40UNC)
   SJ5: The type mounted on 1.6 mm panel (Male screw size, #4-40UNC)
   SJ6: The type mounted on 1.0 mm panel (Male screw size, #4-40UNC)
③ Female screw size
   U2: #2-56UNC

4.75

5.48 REF.

F

A

B

C

D

#4-40UNC

G

E

**Note 1: SJ1 and SJ5 types are not slotted.**

● **Dimensions**

| Part No. | A | B | C | D | E | F | G |
|---|---|---|---|---|---|---|---|
| PCS-XE50SJ1U2 | | 5.5 | 2.7 | – | 3 | – | #2-56UNC |
| PCS-XE50SJ5U2 | 8.9 | 3.9 | 4.1 | – | 2.9 | – | |
| PCS-XE50SJ6U2 | | 4.5 | 3.5 | 1.1 | 3 | 0.8 | |

**For use with backshell:** PCS-E series Backshells with provision for preventing misinsertion

Through hole    SMT    Press-in    IDC    Soldering    Crimping    Wire wrapping    Others