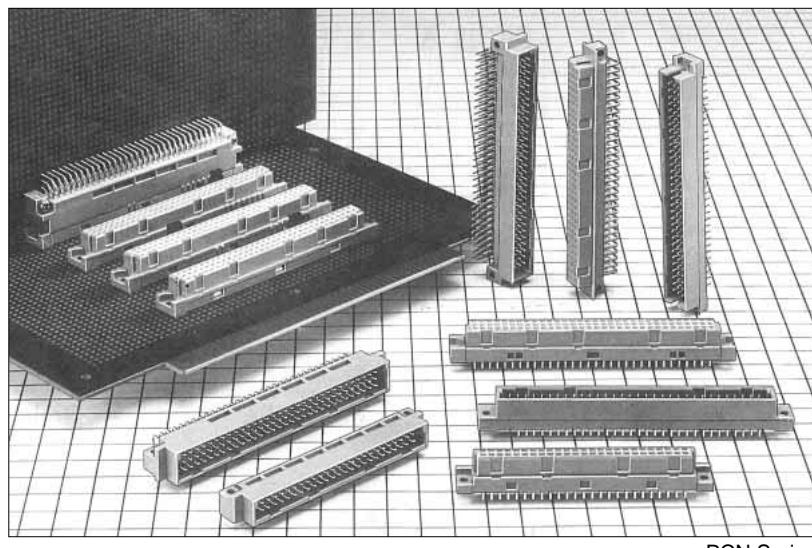


PCN10, 12, 13 Series (Product Compliant to DIN Standard: through hole,Wrapping Type)



PCN Series

■Features

1. Compliant with DIN Standard

Comply with IEC603-2/DIN41612 standard.

2. Variation in number of contacts

10, 16, 20, 24, 28, 30, 32, 44, 48, 50, 64, 90, 96, 100, 128, and 144 contacts are available.

3. Two point contact construction

PCN10 and 12 series are constructed with high reliable double-sided two point contacts.

PCN13 series pursues after cost performance, and constructed with single sided two point contacts.

4. Broad applications

DIN standard types of B, C, R, and Q are available. The flux tight product is available. The easy lock pin type to prefix the board is available.

5. Stacking height variation

PCN10H series contains 25, 30, 35, 40 and 45mm stacking height.

6. Circuit protection function available

PCN10MC series utilizes a sequence structure for circuit protection function.

7. Cable connector

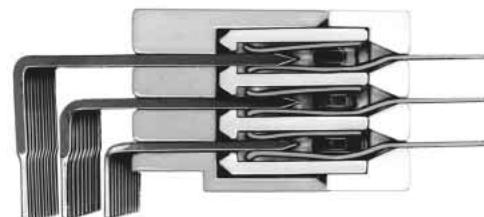
ID connector for ribbon cable is available.

The connector is prepared for crimping connection for AWC#26 to 30 cables.

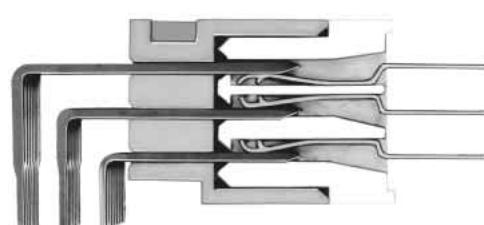
■Application

Control equipment, exchange, measuring instruments etc.

Double-sided two point Contact System



Single-sided two point Contact System



Stacking Connector



■Product Specifications

Rating	Current rating: 2A Voltage rating: 300V AC	Operating Temperature Range: -55 to +85°C (Note 1) Operating Humidity Range: 85% max	Storage Temperature Range: -10 to +60°C (Note 2) Storage Humidity Range: 40 to 70% (Note 2)
--------	---	---	--

Item	Specification	Condition
1. Insulation Resistance	10 ⁶ M ohms	100V DC
2. Withstanding Voltage	No flashover or insulation breakdown.	1000V AC (insulation displacement, crimping type: 650V AC) /1 minute.
3. Contact Resistance	20m ohms max.	0.1A
4. Vibration	No electrical discontinuity of 10μs or more	Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions.
5. Humidity (Steady state)	Insulation resistance : 10 ⁶ M ohms min.	96 hours at temperature of 40°C and humidity of 90% to 95%
6. Temperature Cycle	No damage, cracks, or parts looseness.	(-65°C : 30 minutes → 15 to 35°C: 5 minutes max. → 125°C : 30 minutes → 15 to 35°C: 5 minutes max.) 5 cycles
7. Durability (Mating/un-mating)	Contact resistance : 20m ohms max.	500 cycles
8. Resistance to Soldering heat	No deformation of components affecting performance.	Manual soldering: 300°C for 3 seconds

Note 1: Includes temperature rise caused by current flow.

Note 2: The term "storage" refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non conducting condition of installed connectors in storage, shipment or during transportation.

Note 3. Information contained in this catalog represents general requirements for this Series. Contact us for the drawings and specifications for a specific part number shown.

■Material

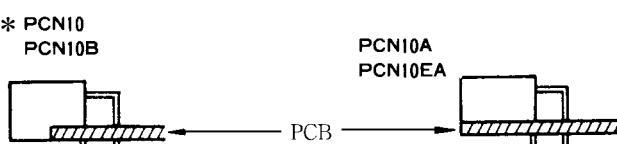
Parts	Material	Finish	Remarks
Insulator	PBT	Gray	UL94V-0
Contact	Pin header	Contact area: Gold plated	_____
	Receptacle	Remainer: Tin plated	_____

■Ordering Information

●PCN 10 Series

PCN10 A - * P - 2.54 DS

① Series Name : PCN10	③ Number of contacts: 2-row : 16, 20, 24, 32, 44, 50, 64, 90, 100 3-row : 48, 96, 144 4-row : 128
② Blank A } mold type (as listed below) B C : Flux prevention type (DSA only) D : Rack installation type EA : With Board prefixed lock pin H : Stacking height 35mm type HA : Stacking height 30mm type HB : Stacking height 25mm type HC : Stacking height 45mm type HD : Stacking height 40mm type MC : Circuit Protection function type	④ Connector type : P : Pin header : S : Receptacle ⑤ Contact pitch : 2.54mm ⑥ Contact type DS : Right angle through hole type DSA : Straight through hole type WA : Wrapping type (0.5tx0.7W) WB : Wrapping type (0.5tx0.5W) R : Insulation displacement type C : Crimping type



* The receptacle double-row right angle type indicates the type of PCN10A type.

●PCN 12 Series (Plug)

PCN12 A - * P - 2.54 DS

① ② ③ ④ ⑤ ⑥

① Series name : PCN12	③ Number of contacts : 2-row: 10, 16, 20, 24, 28, 32, 44, 50, 64, 90, 100 3-row: 96
② No symbol : DIN standard type C (96 Contacts) A : Original type E-EA : With board prefixed lock pin type	④ P : Plug
	⑤ Contact pitch : 2.54mm
	⑥ Contact type : DS: Right angle through hole type

●PCN 12E-*S-2.54 DSA(Socket)

PCN12 E - * S - 2.54 DSA

① ② ③ ④ ⑤ ⑥

① Series name : PCN12	④ S : Socket
② No symbol : Standard type E : With board prefixed lock pin type	⑤ Contact pitch : 2.54mm
③ Number of contacts : 2-row: 10, 16, 20, 28, 32, 44, 50, 64, 90, 100 3-row: 96	⑥ Contact type : DSA: Straight through hole type

●PCN 13E-*S-2.54 DSA (Socket)

PCN13 E - * S - 2.54 DSA

① ② ③ ④ ⑤ ⑥

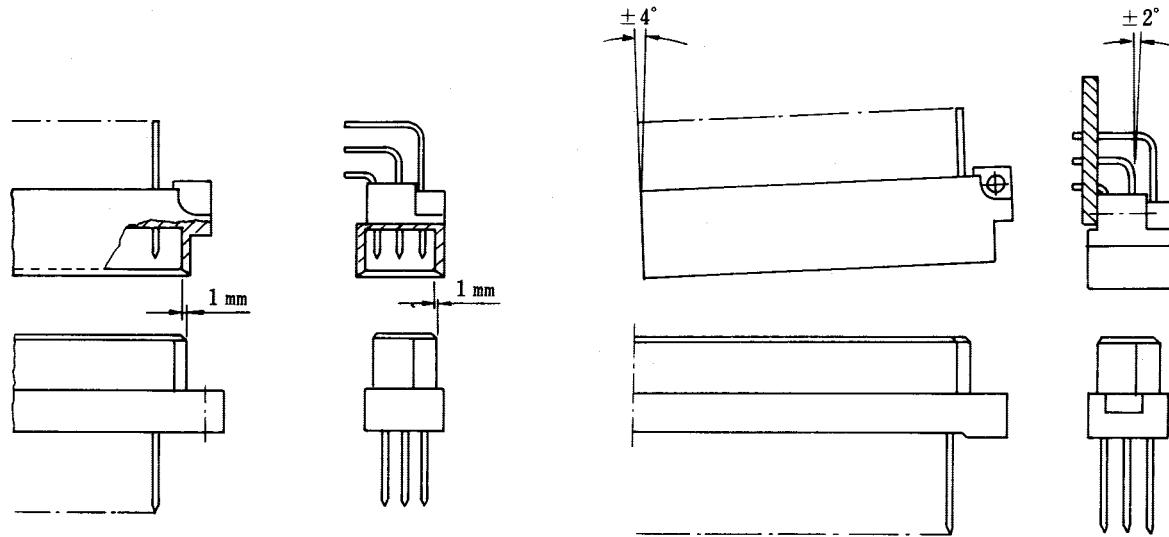
① Series name : PCN13	④ S : Socket
② No symbol : Standard type E : With board prefixed easy pin type	⑤ Contact pitch : 2.54mm
③ Number of contacts : 2-row: 10, 16, 20, 30, 32, 44, 50, 64, 90, 100 3-row: 48, 96	⑥ Contact style : DS: Right angle through hole type : DSA: Straight through hole type

*PCN13 series are only socket type.

PCN10 and 12 series are mating connectors.

◆DIN Connector Mating Condition

DIN connectors of Hirose should be used under conditions as illustrated below.



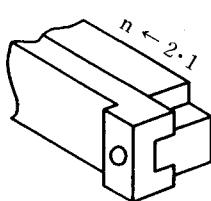
◆Contact numbers

According to the inter-combination with DIN standard type C (type B) and type R (type Q), the contact numbers and row numbers represent contact No. (No.1 to 32) and row No. (a, b, c).

- DIN standard type C and type R represent the 3-row 96 contacts type, including 32 contacts in single-row.
- DIN standard type B and type Q represent the 2-row 64 contacts type, including 32 contacts in single-row.

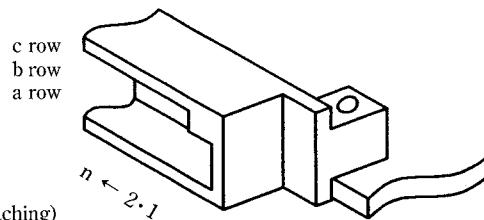
①Receptacle straight type

Type C (Type B)



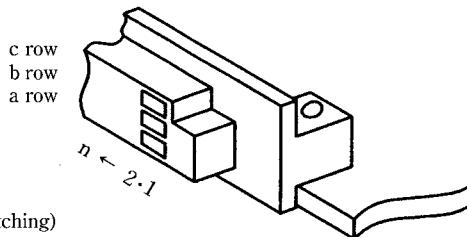
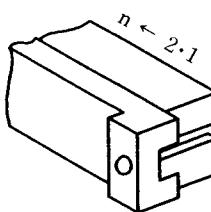
②Pin header right angle type

Type C (Type B)



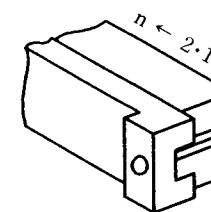
(Contact No. inverted)

(Contact No. inverted)



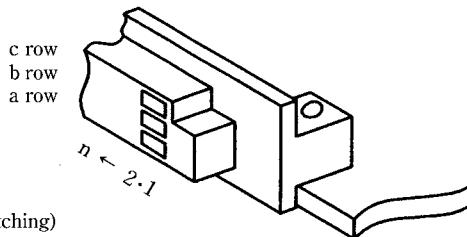
③Pin header straight type

Type R (Type Q)



④Receptacle right angle type

Type R (Type Q)



Note: The DIN connector is basically standardized in combination with straight and right angle types. As shown above in illustrations;

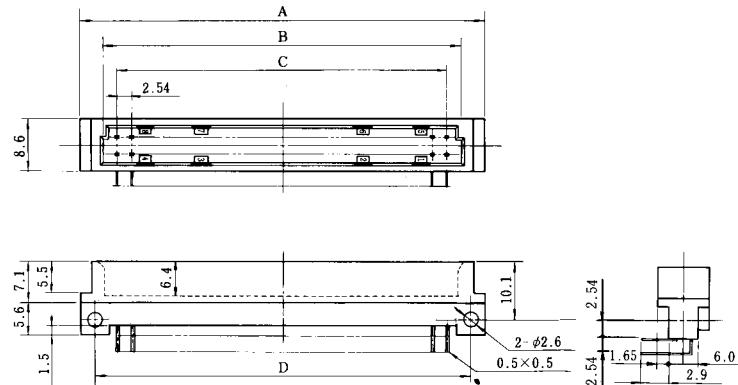
The contact numbers is matched in combination with (1)-(2) and (3)-(4), while the contact numbers are inverted in combination with (1)-(2) and (3)-(4).

PCN10 Series

■ Pin Header: 2-row Right Angle Type (DIN standard type B)

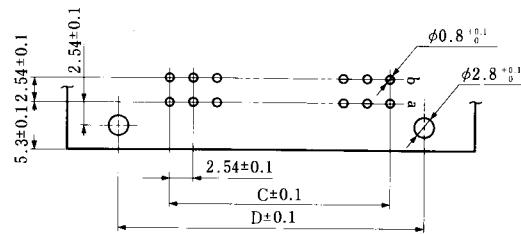


PCN10-*P-2.54DS(72)



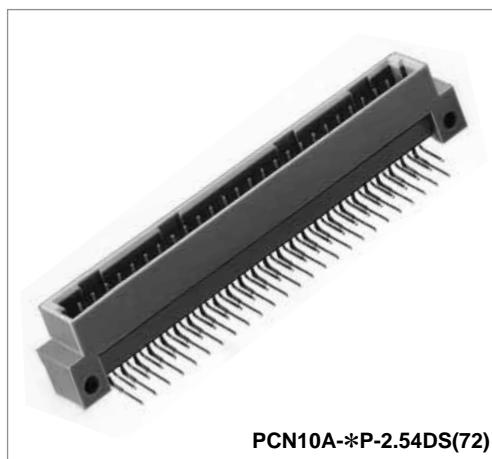
Unit:mm

◆ PCB mounting pattern

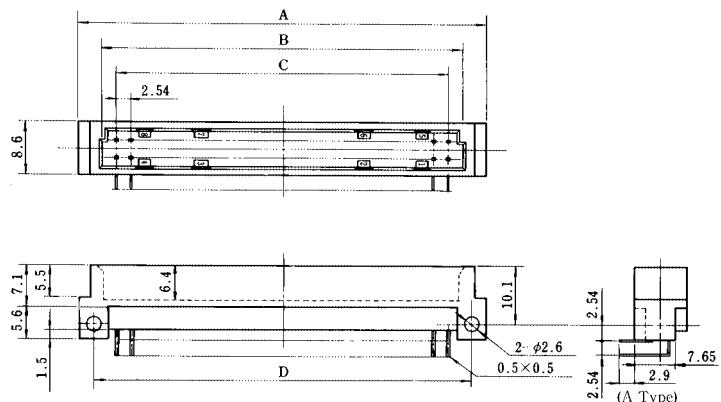


Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10- 16P-2.54DS(72)	CL583-0230-9-72	16	33.04	24.39	17.78	27.94	YES
PCN10- 20P-2.54DS(72)	CL583-0077-3-72	20	38.12	29.47	22.86	33.02	
PCN10- 32P-2.54DS(72)	CL583-0015-6-72	32	53.36	44.71	38.1	48.26	
PCN10- 44P-2.54DS(72)	CL583-0038-1-72	44	68.6	59.95	53.34	63.5	
PCN10- 50P-2.54DS(72)	CL583-0016-9-72	50	76.22	67.57	60.96	71.12	
PCN10- 64P-2.54DS(72)	CL583-0017-1-72	64	94	85.35	78.74	88.9	
PCN10- 90P-2.54DS(72)	CL583-0018-4-72	90	127.02	118.37	111.76	121.92	
PCN10-100P-2.54DS(72)	CL583-0113-5-72	100	139.72	131.07	124.46	134.62	

■ Pin Header: 2-row Right Angle Type

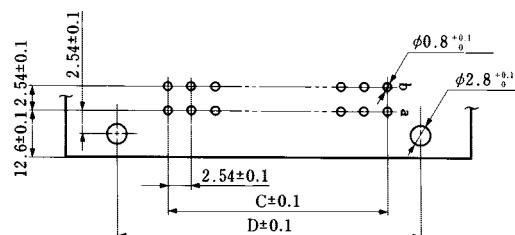


PCN10A-*P-2.54DS(72)



Unit:mm

◆ PCB mounting pattern



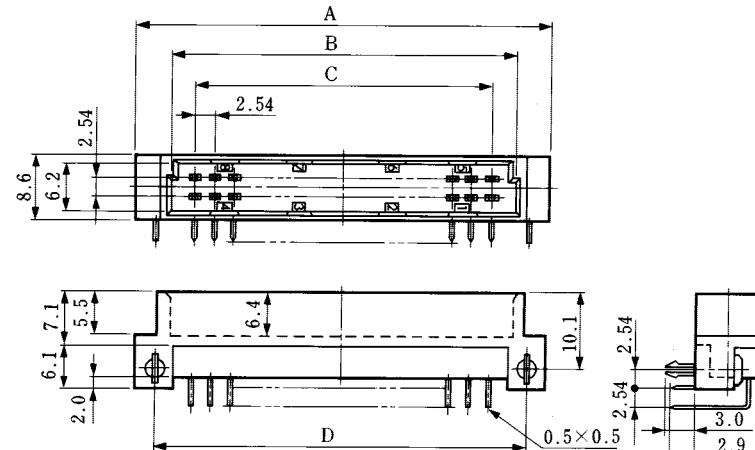
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10A- 16P-2.54DS(72)	CL583-0231-1-72	16	33.04	24.39	17.78	27.94	YES
PCN10A- 20P-2.54DS(72)	CL583-0078-6-72	20	38.12	29.47	22.86	33.02	
PCN10A- 32P-2.54DS(72)	CL583-0011-5-72	32	53.36	44.71	38.1	48.26	
PCN10A- 44P-2.54DS(72)	CL583-0039-4-72	44	68.6	59.95	53.34	63.5	
PCN10A- 50P-2.54DS(72)	CL583-0012-8-72	50	76.22	67.57	60.96	71.12	
PCN10A- 64P-2.54DS(72)	CL583-0013-0-72	64	94	85.35	78.74	88.9	
PCN10A- 90P-2.54DS(72)	CL583-0014-3-72	90	127.02	118.37	111.76	121.92	
PCN10A-100P-2.54DS(72)	CL583-0114-8-72	100	139.72	131.07	124.46	134.62	

■Pin Header: 2-row Right Angle Type

●With Board prefixed lock pin

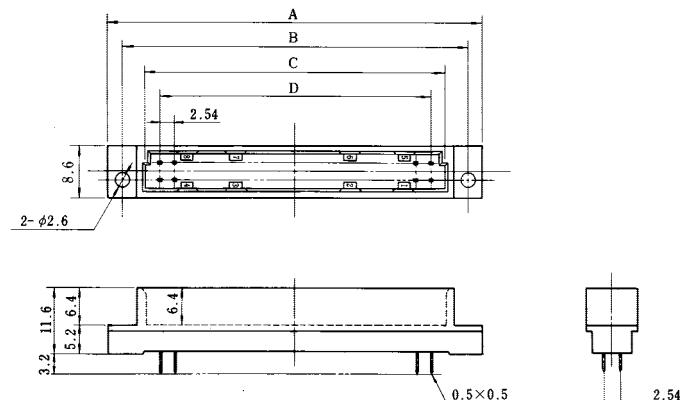
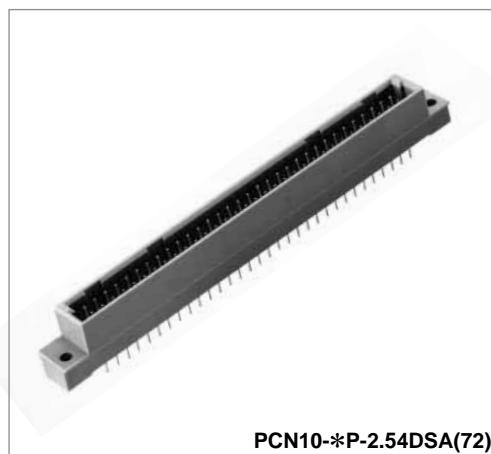


●The PCB mounting pattern is equivalent to PCN10A-*P-2.54DS.
 (Refer to page A19.)



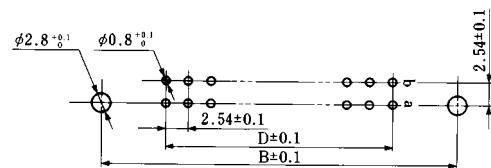
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10EA- 16P-2.54DS(72)	CL583-0256-2-72	16	33.04	24.39	17.78	27.94	
PCN10EA- 20P-2.54DS(72)	CL583-0181-5-72	20	38.12	29.47	22.86	33.02	
PCN10EA- 32P-2.54DS(72)	CL583-0182-8-72	32	53.36	44.71	38.1	48.26	
PCN10EA- 44P-2.54DS(72)	CL583-0183-0-72	44	68.6	59.95	53.34	63.5	YES
PCN10EA- 50P-2.54DS(72)	CL583-0184-3-72	50	76.22	67.57	60.96	71.12	
PCN10EA- 64P-2.54DS(72)	CL583-0185-6-72	64	94	85.35	78.74	88.9	
PCN10EA- 90P-2.54DS(72)	CL583-0186-9-72	90	127.02	118.37	111.76	121.92	
PCN10EA-100P-2.54DS(72)	CL583-0187-1-72	100	139.72	131.07	124.46	134.62	

■Pin Header: 2-row Straight Type



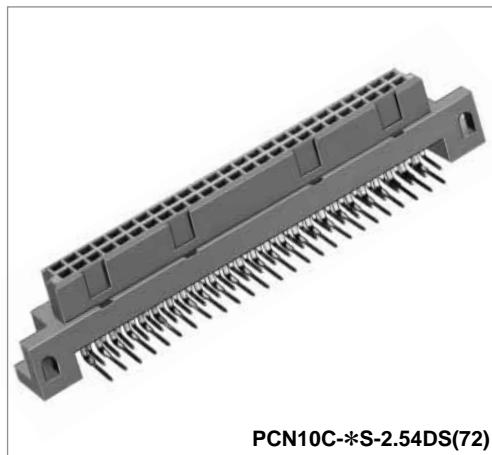
*Type Q differs in the outer dimensions and PCB mounting pattern.

◆PCB mounting pattern

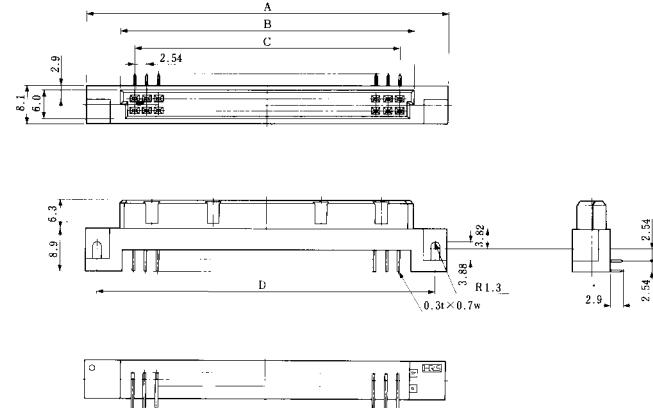


Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10- 20P-2.54DSA(72)	CL583-0139-9-72	20	43.3	38.1	29.47	22.86	
PCN10- 32P-2.54DSA(72)	CL583-0007-8-72	32	58.54	53.34	44.71	38.1	
PCN10- 44P-2.54DSA(72)	CL583-0488-8-72	44	73.78	68.58	59.95	53.54	
PCN10- 50P-2.54DSA(72)	CL583-0008-0-72	50	81.4	76.2	67.57	60.96	YES
PCN10- 64P-2.54DSA(72)	CL583-0009-3-72	64	99.18	93.98	85.35	78.74	
PCN10- 90P-2.54DSA(72)	CL583-0010-2-72	90	132.2	127	118.37	111.76	
PCN10-100P-2.54DSA(72)	CL583-0251-9-72	100	144.9	139.7	131.07	124.46	

■ Receptacle: 2-row Right Angle Type

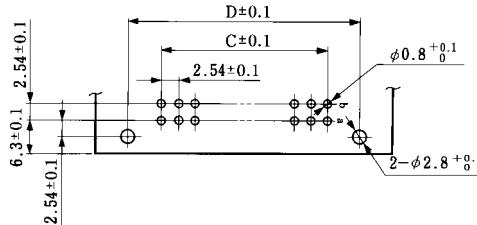


PCN10C-2S-2.54DS(72)



*Type Q differs in the external size and PCB mounting pattern.

◆ PCB mounting pattern



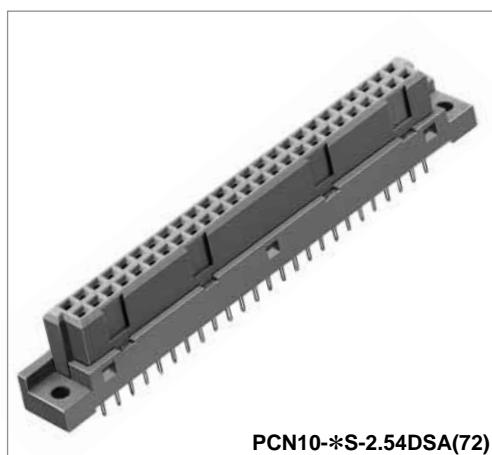
Note:

Note: DIN standard type Q (Reverse type of type B) indicates PCN10B-64S-2.54DS(72).

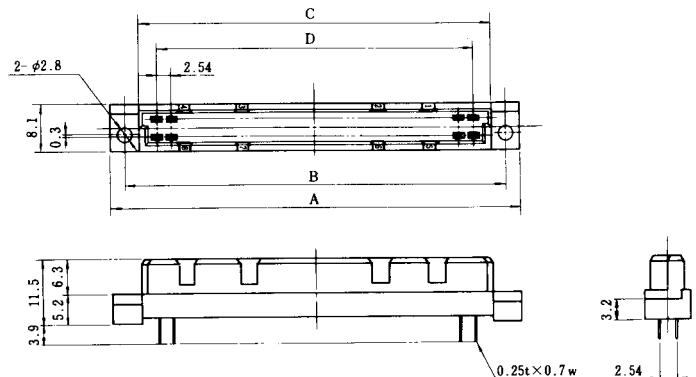
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10C- 20S-2.54DS(72)	CL583-0201-0-72	20	43.1	29.12	22.86	38.1	YES
PCN10C- 32S-2.54DS(72)	CL583-0202-3-72	32	58.34	44.36	38.1	53.34	
PCN10C- 44S-2.54DS(72)	CL583-0052-2-72	44	73.58	59.6	53.34	68.58	
PCN10C- 50S-2.54DS(72)	CL583-0168-7-72	50	81.2	67.22	60.96	76.2	
PCN10C- 60S-2.54DS(72)	CL583-0174-0-72	60	93.9	79.92	73.66	88.9	
PCN10C- 64S-2.54DS(72)	CL583-0203-6-72	64	98.98	85	78.74	93.98	
PCN10C- 90S-2.54DS(72)	CL583-0204-9-72	90	132	118.02	111.76	127	
PCN10C-100S-2.54DS(72)	CL583-0178-0-72	100	144.7	130.72	124.46	139.7	

■ Receptacle: 2-row Straight Type (DIN standard type B)



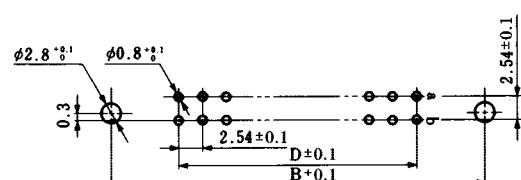
PCN10-*S-2.54DSA(72)



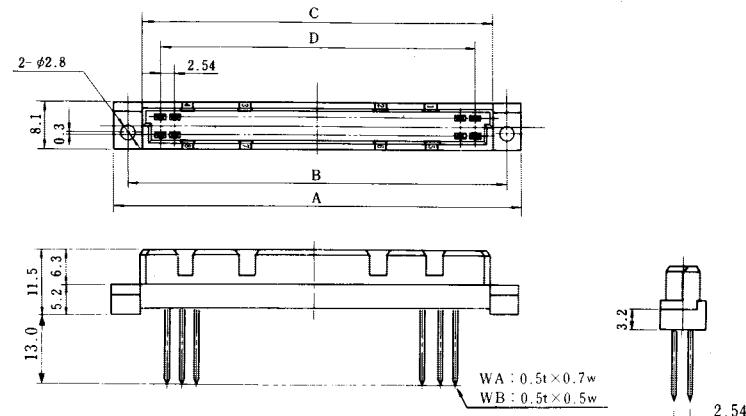
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10-32S-2.54DSA(72)	CL583-0019-7-72	32	54.36	49.36	44.36	38.1	YES
PCN10-50S-2.54DSA(72)	CL583-0020-6-72	50	77.22	72.22	67.22	60.96	
PCN10-64S-2.54DSA(72)	CL583-0021-9-72	64	95	90	85	78.74	

◆ PCB mounting pattern

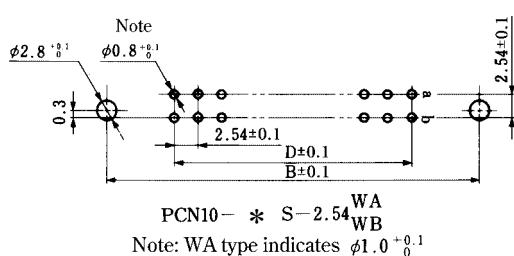


■ Receptacle: 2-row Wrapping Type (DIN standard type B)



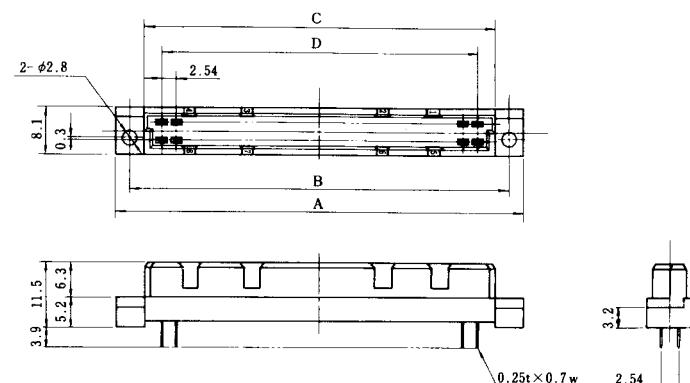
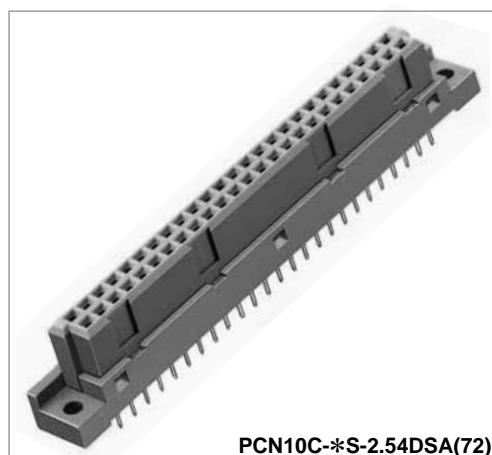
Unit:mm

◆ PCB mounting pattern



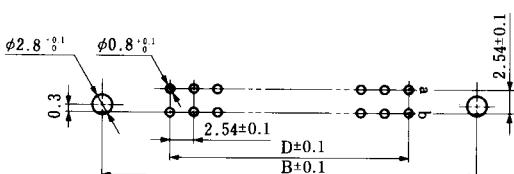
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10-32S-2.54WA(72)	CL583-0107-2-72	32	54.36	49.36	44.36	38.1	YES
PCN10-32S-2.54WB(72)	CL583-0067-0-72	32	54.36	49.36	44.36	38.1	
PCN10-50S-2.54WA(72)	CL583-0108-5-72	50	77.22	72.22	67.22	60.96	
PCN10-50S-2.54WB(72)	CL583-0068-2-72	50	77.22	72.22	67.22	60.96	
PCN10-64S-2.54WA(72)	CL583-0109-8-72	64	95	90	85	78.74	
PCN10-64S-2.54WB(72)	CL583-0069-5-72	64	95	90	85	78.74	

■ Flux Prevention Type (DIN standard type B)



Unit:mm

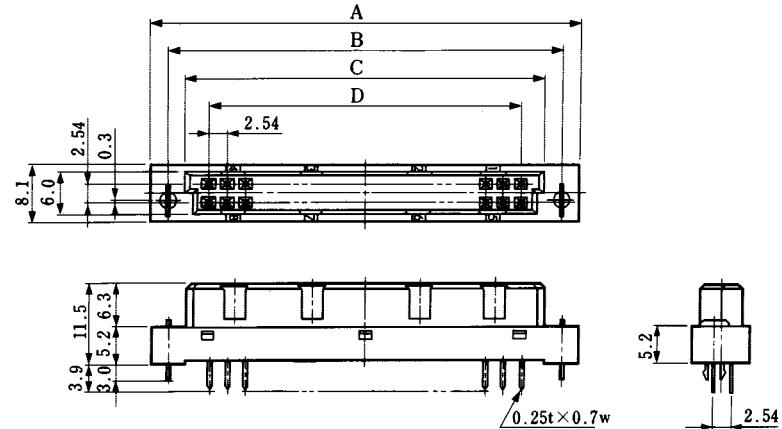
◆ PCB mounting pattern



Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10C-16S-2.54DSA(72)	CL583-0226-1-72	16	34.04	29.04	24.04	17.78	YES
PCN10C-20S-2.54DSA(72)	CL583-0079-9-72	20	39.12	34.12	29.12	22.86	
PCN10C-32S-2.54DSA(72)	CL583-0033-8-72	32	54.36	49.36	44.36	38.1	
PCN10C-44S-2.54DSA(72)	CL583-0034-0-72	44	69.6	64.6	59.6	53.34	
PCN10C-50S-2.54DSA(72)	CL583-0035-3-72	50	77.22	72.22	67.22	60.96	
PCN10C-64S-2.54DSA(72)	CL583-0036-6-72	64	95	90	85	78.74	
PCN10C-90S-2.54DSA(72)	CL583-0037-9-72	90	128.02	123.02	118.02	111.76	
PCN10C-100S-2.54DSA(72)	CL583-0112-2-72	100	140.72	135.72	130.72	124.46	

■Board Prefixed Lock Pin Type (DIN standard type B)

●Flux prevention type

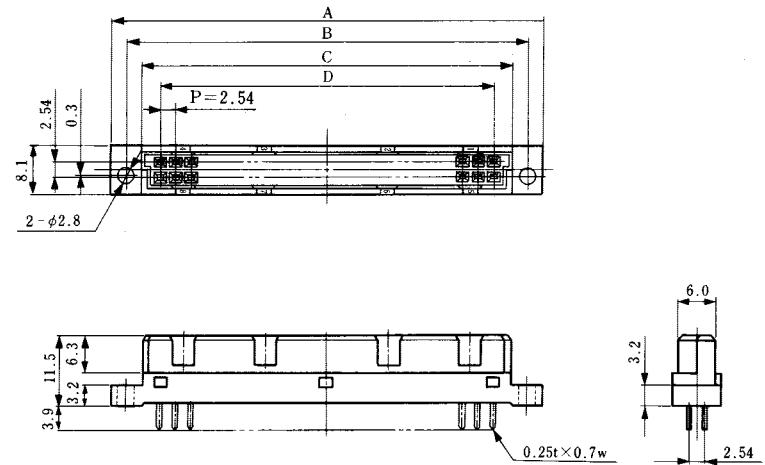
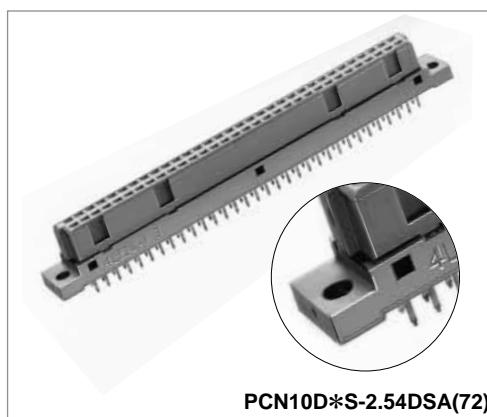


●The PCB mounting pattern is equivalent to
 PCN10-*P-2.54DSA and PCN10C-*P-2.54DSA.
 (Refer to catalog page A21 and A22.)

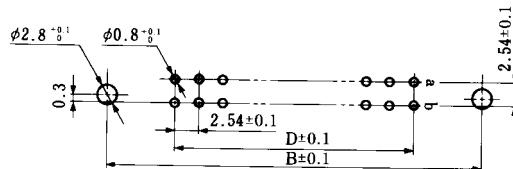
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10EA- 20S-2.54DSA(72)	CL583-0188-4-72	20	39.12	34.12	29.12	22.86	
PCN10EA- 32S-2.54DSA(72)	CL583-0189-7-72	32	54.36	49.36	44.36	38.1	
PCN10EA- 44S-2.54DSA(72)	CL583-0190-6-72	44	69.6	64.6	59.6	53.34	
PCN10EA- 50S-2.54DSA(72)	CL583-0191-9-72	50	77.22	72.22	67.22	60.96	YES
PCN10EA- 64S-2.54DSA(72)	CL583-0192-1-72	64	95	90	85	78.74	
PCN10EA- 90S-2.54DSA(72)	CL583-0193-4-72	90	128.02	123.02	118.02	111.76	
PCN10EA-100S-2.54DSA(72)	CL583-0194-7-72	100	140.72	135.72	130.72	124.46	

■Receptacle: 2-row Straight Type (Rack installation type)



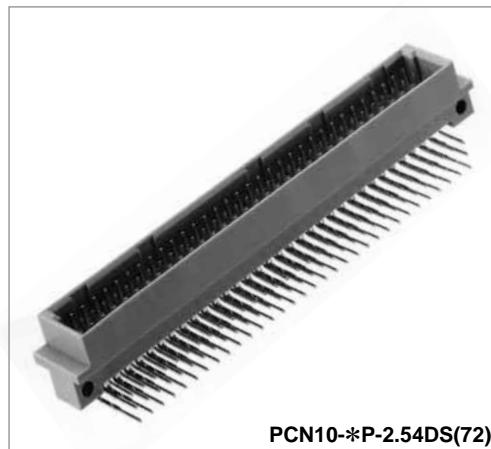
◆PCB mounting pattern



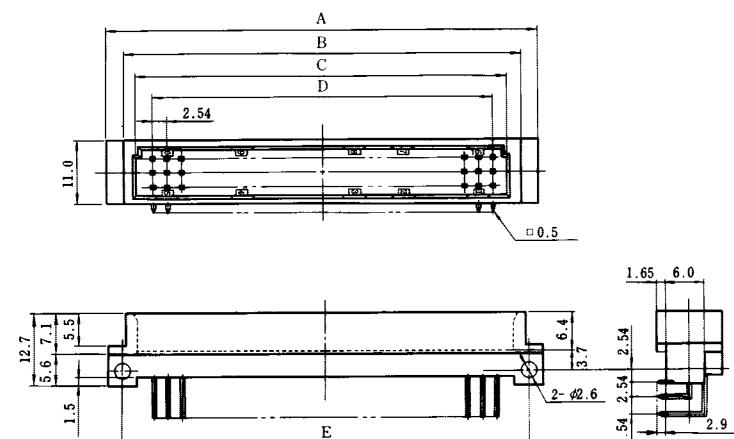
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10D-50S-2.54DSA(72)	CL583-0055-0-72	50	77.22	72.22	67.22	60.96	
PCN10D-64S-2.54DSA(72)	CL583-0056-3-72	64	95	90	85	78.74	YES
PCN10D-90S-2.54DSA(72)	CL583-0057-6-72	90	128.02	123.02	118.02	111.76	

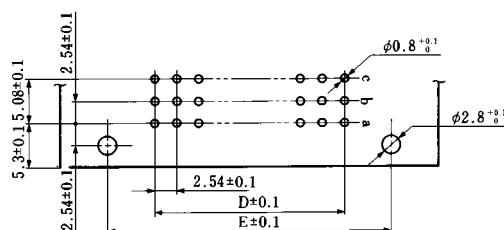
■Pin Header: 3-row Right Angle Type (DIN standard type C)



PCN10-*P-2.54DS(72)



◆PCB mounting pattern

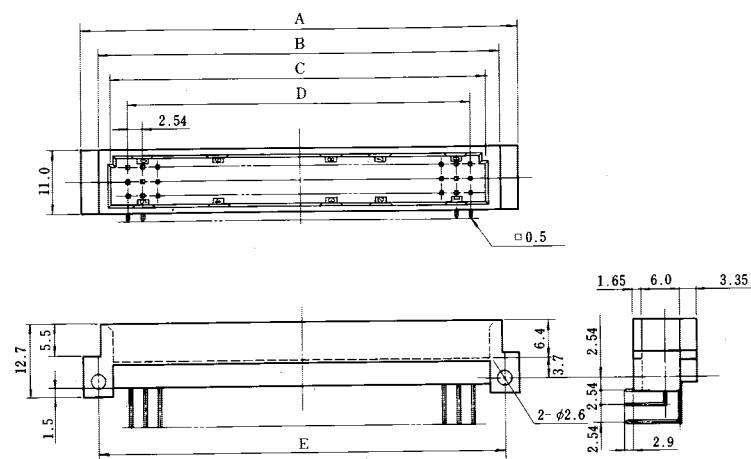


Unit:mm								
Part Number	CL No.	Number of Contacts	A	B	C	D	E	RoHS
PCN10-48P-2.54DS(72)	CL583-0063-9-72	48	53.36	47.36	44.61	38.1	48.26	YES
PCN10-96P-2.54DS(72)	CL583-0001-1-72	96	94	88	85.25	78.74	88.9	

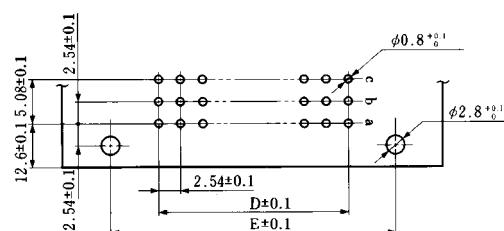
■Pin Header: 3-row Right Angle Type



PCN10A-*P-2.54DS(72)



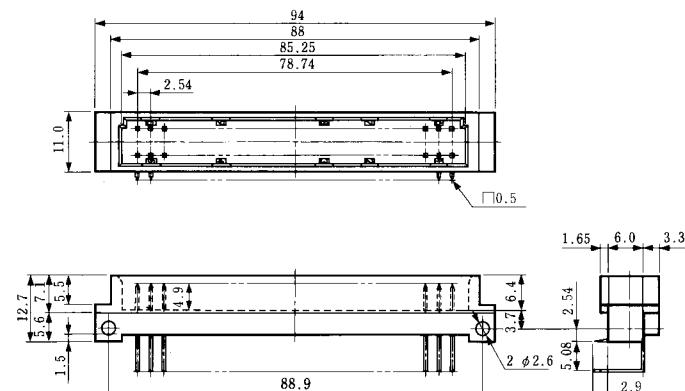
◆PCB mounting pattern



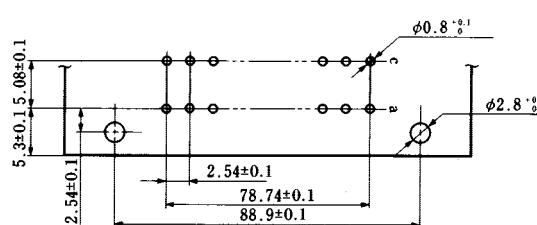
Unit:mm								
Part Number	CL No.	Number of Contacts	A	B	C	D	E	RoHS
PCN10A-48P-2.54DS(72)	CL583-0064-1-72	48	53.36	47.36	44.61	38.1	48.26	YES
PCN10A-96P-2.54DS(72)	CL583-0006-5-72	96	94	88	85.25	78.74	88.9	

The 48 contact type contains guide key grooves at 8 points.

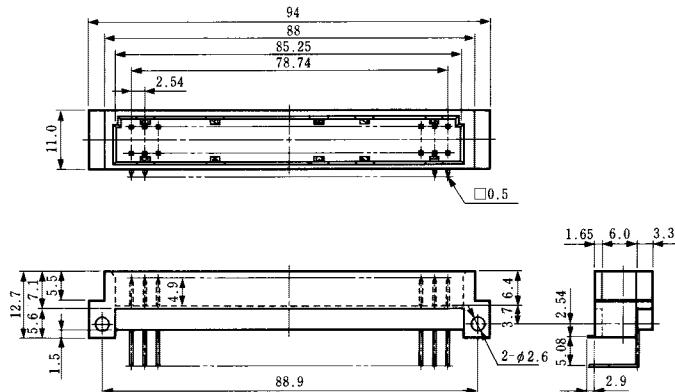
■Pin Header: Right Angle Type



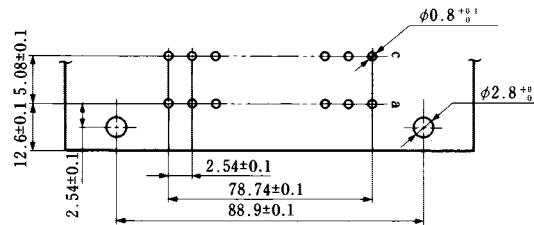
◆PCB mounting pattern



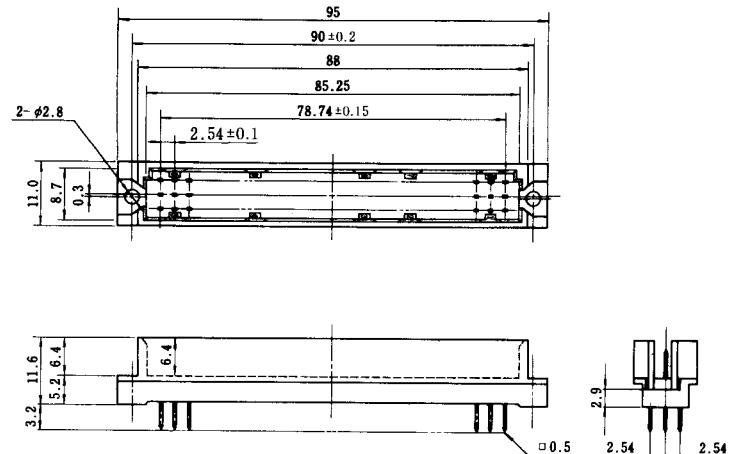
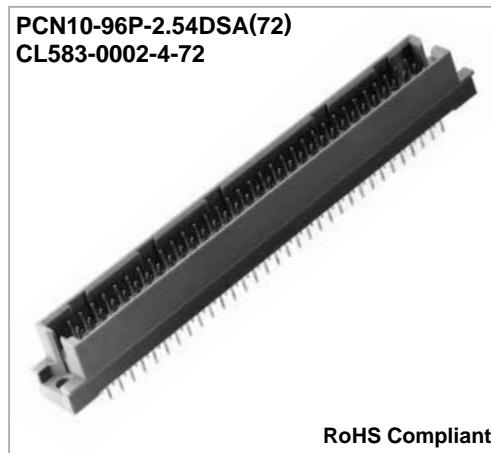
■Pin Header: Right Angle Type



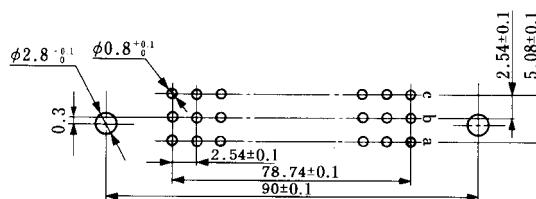
◆PCB mounting pattern



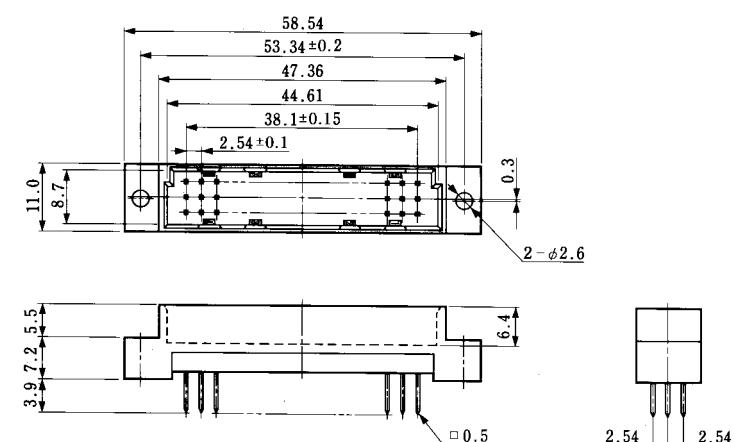
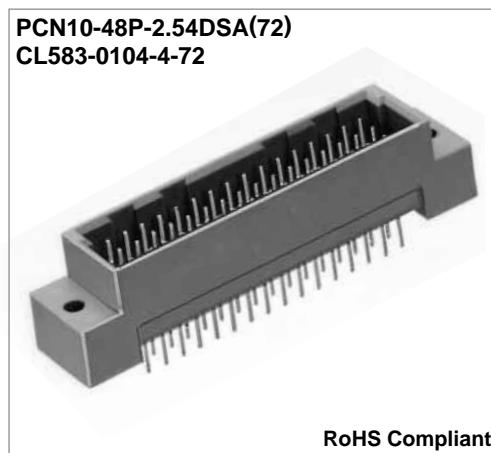
■Pin Header: 3-row Straight Type (DIN standard type R)



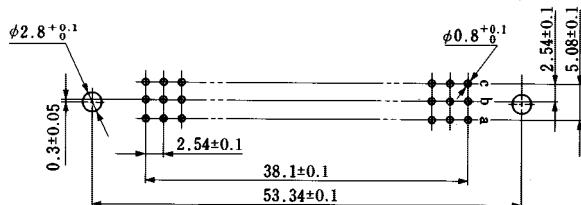
◆PCB mounting pattern



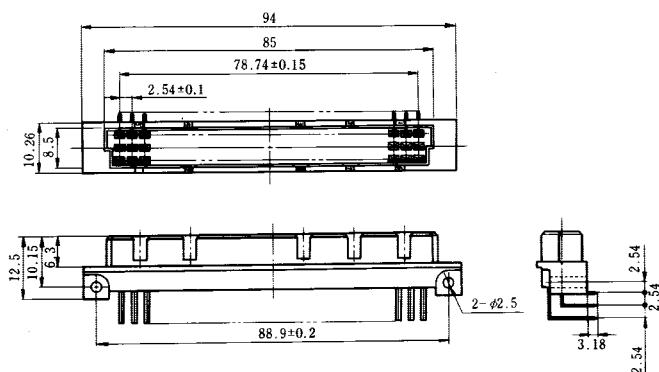
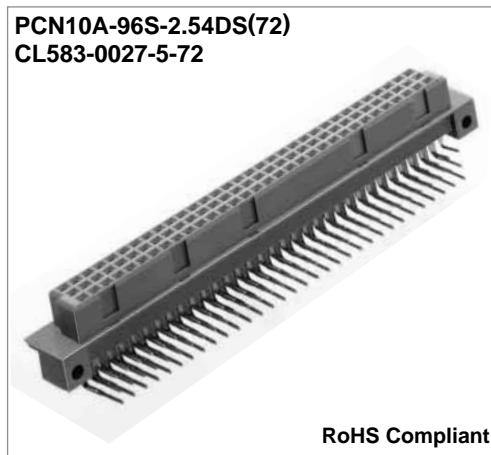
■Pin Header: 3-row Straight Type



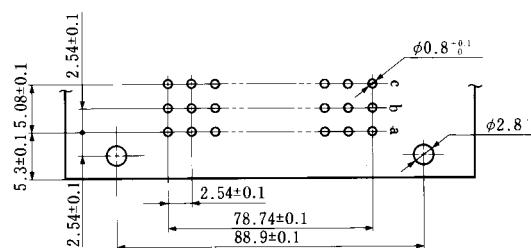
◆PCB mounting pattern



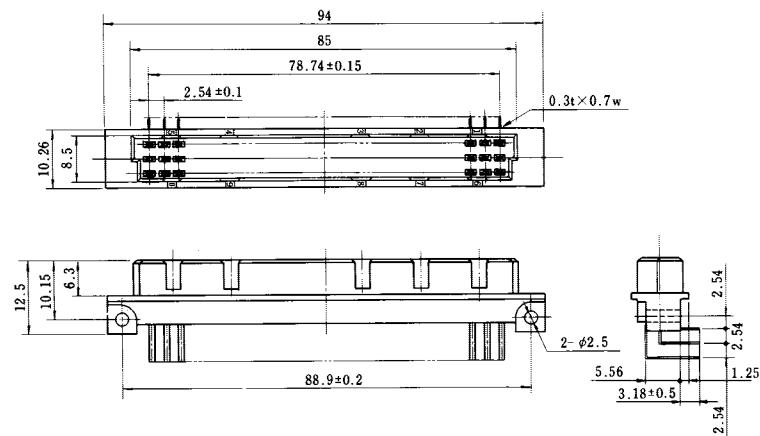
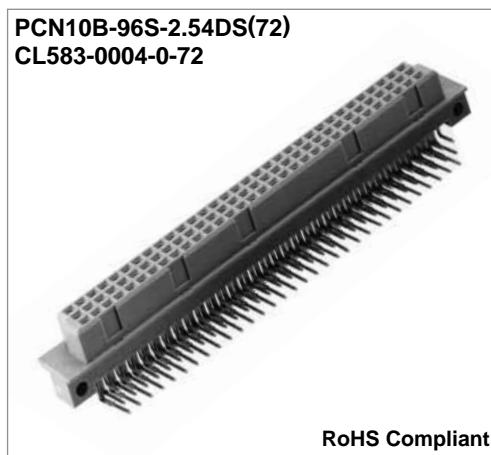
■ Receptacle: 3-row Right Angle Type



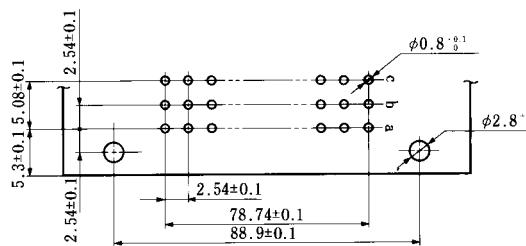
◆ PCB mounting pattern



■ Receptacle: 3-row Right Angle Type(DIN standard type R)



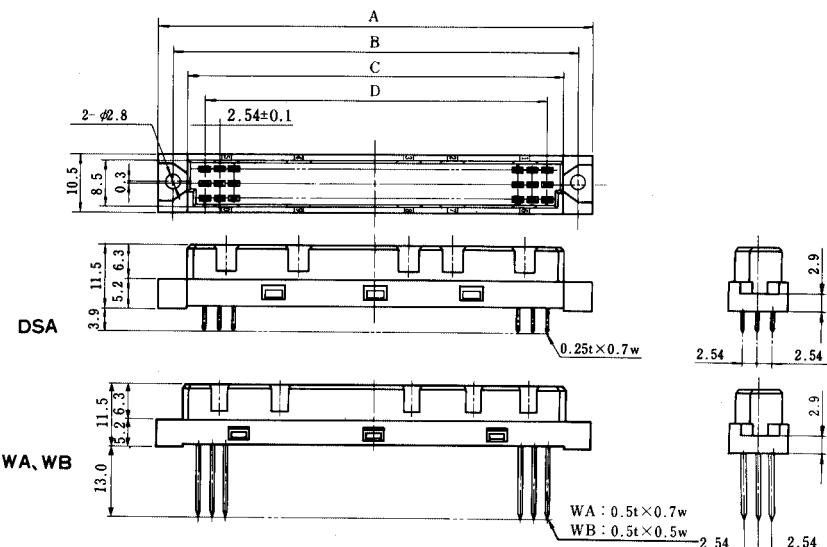
◆ PCB mounting pattern



■ Receptacle: 3-row Straight Type(DIN standard type C)

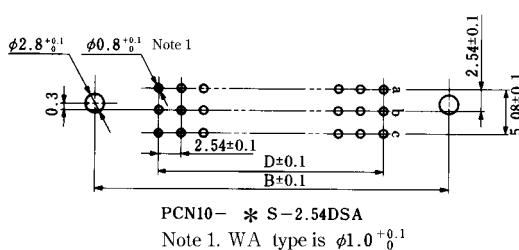


PCN10*S-2.54DSA(72)



The 48 contact type contains guide key grooves at 8 points.

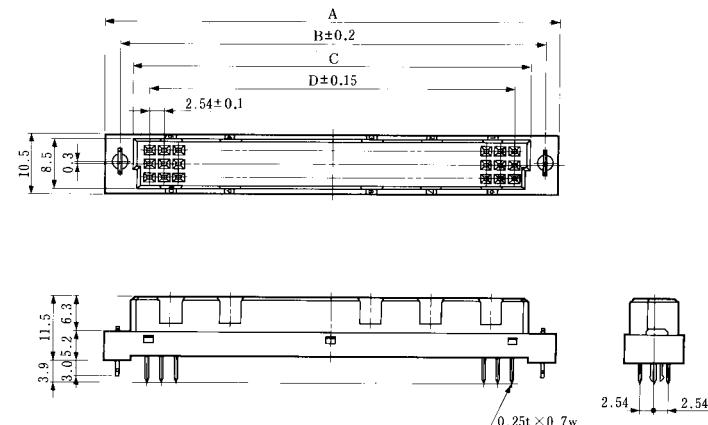
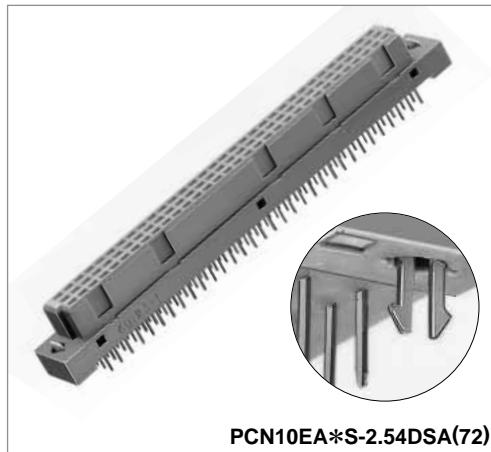
Unit:mm



Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10-48S-2.54DSA(72)	CL583-0065-4-72	48	54.36	50	44.36	38.1	
PCN10-96S-2.54DSA(72)	CL583-0003-7-72	96	95	90	85	78.74	YES
PCN10-96S-2.54WA(72)	CL583-0085-1-72	96	95	90	85	78.74	
PCN10-96S-2.54WB(72)	CL583-0071-7-72	96	95	90	85	78.74	

■ Receptacle: 3-row Straight Type(DIN standard type C)

● With Board prefixed lock pin



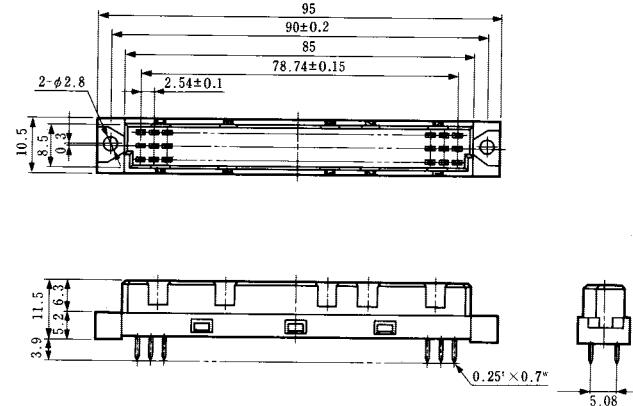
Note: The PCB mounting pattern is equivalent to
 PCN10-*S-2.54DSA(72).

(Refer to catalog page A21.)

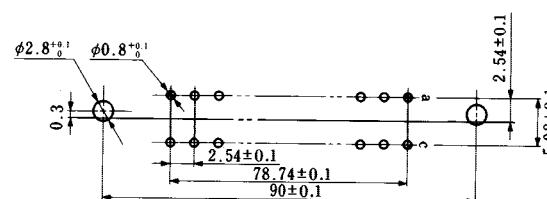
	Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS	Unit:mm
	PCN10EA-48S-2.54DSA(72)	CL583-0195-0-72	48	54.36	50	44.36	38.1	YES	
Note	PCN10EA-96S-2.54DSA(72)	CL583-0180-2-72	96	95	90	85	78.74		

Note: Flux prevention type

■ Receptacle: Straight Type



◆ PCB mounting pattern



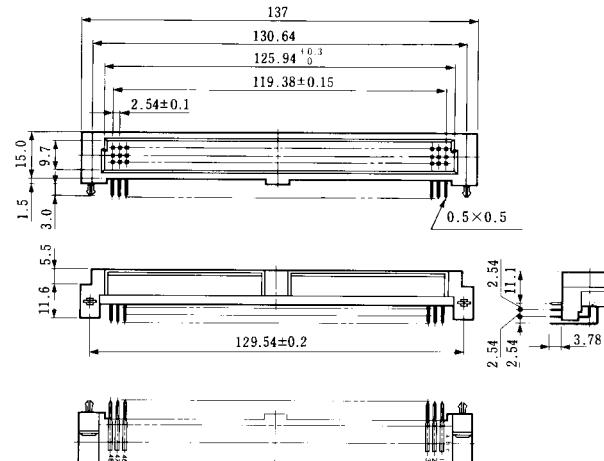
■ Pin Header: 3-row Right Angle Type

● With Board prefixed lock pin

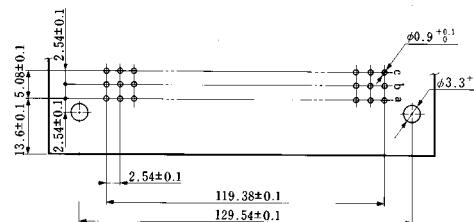
PCN10MA-144P-2.54DS(72)
CL583-0131-7-72



RoHS Compliant



◆ PCB mounting pattern



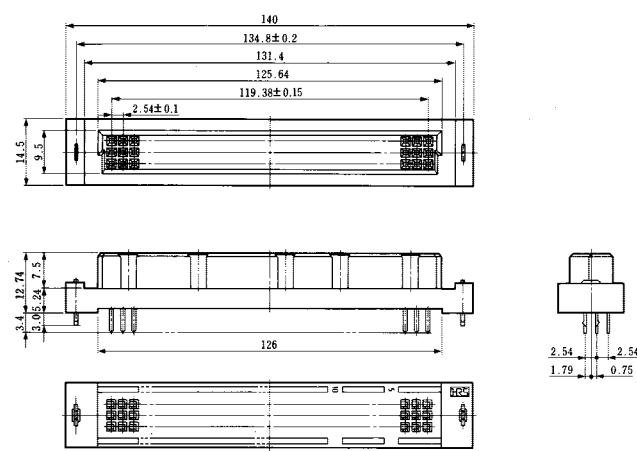
■ Receptacle: 3-row Straight Type

● Board prefixed lock pin attached

PCN10MA-144S-2.54DSA(72)
CL583-0130-4-72

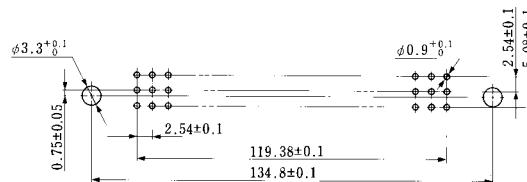


RoHS Compliant

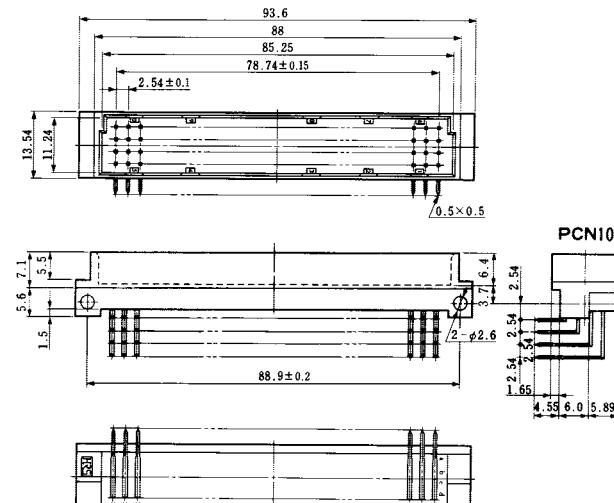
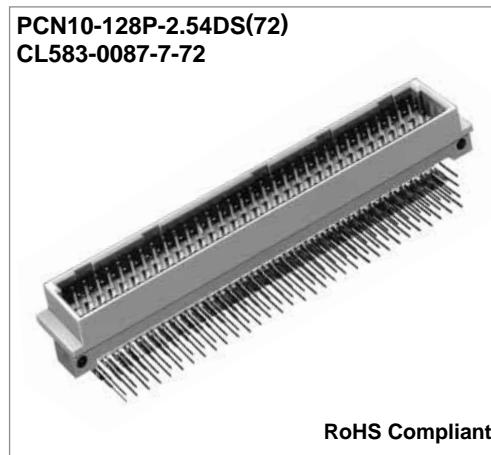


◆ PCB mounting pattern

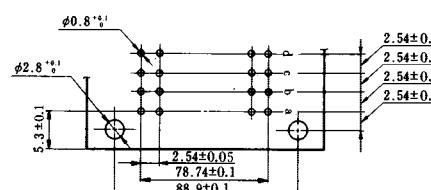
Sequential contacts are located at 27 points up to contact No.30~38 in both rows b and c.



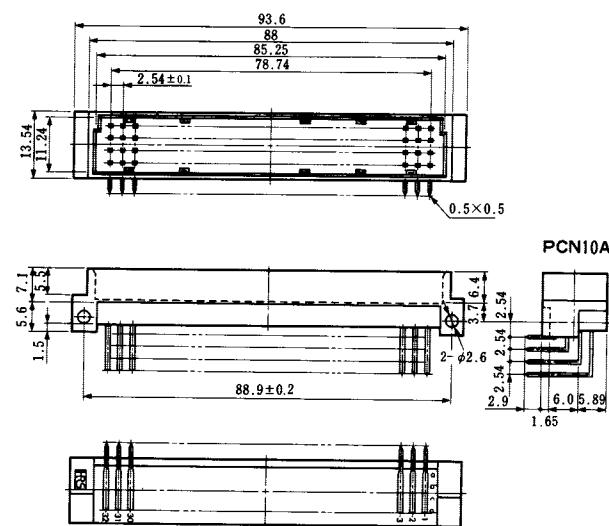
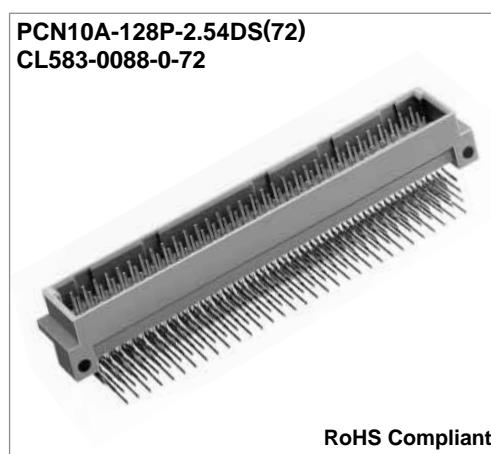
■Pin Header: 4-row Right Angle Type



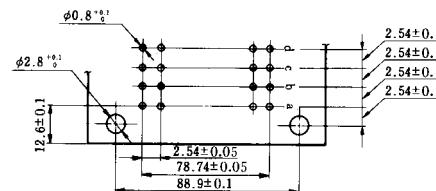
◆PCB mounting pattern



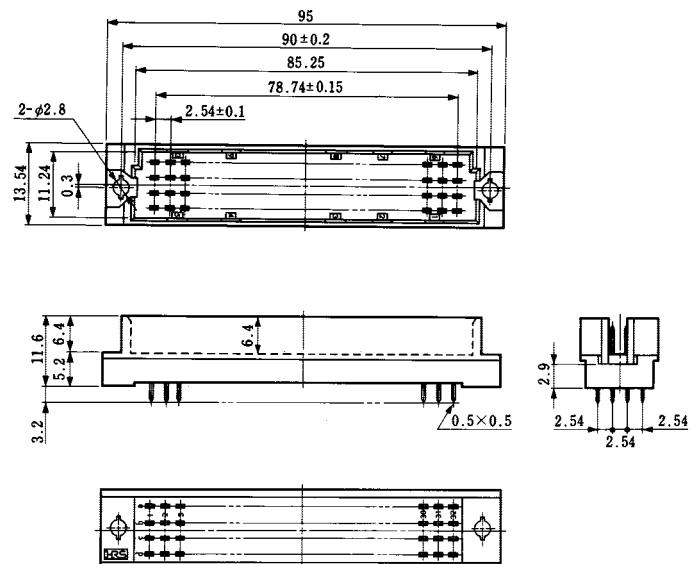
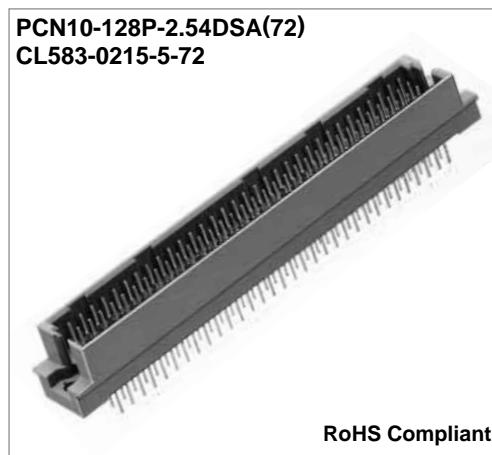
■Pin Header: 4-row Right Angle Type



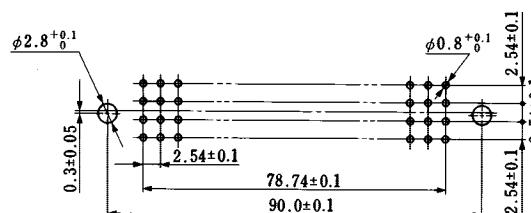
◆PCB mounting pattern



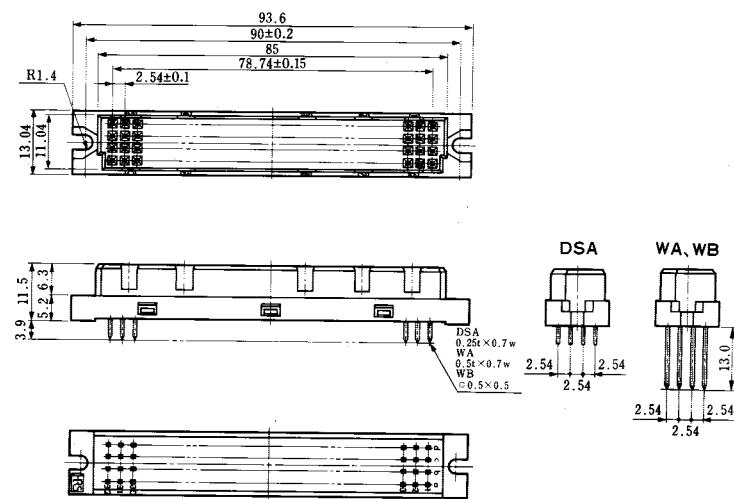
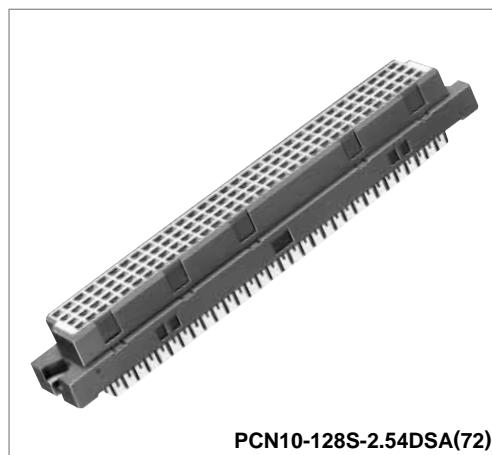
■ Pin Header: 4-row Straight Type



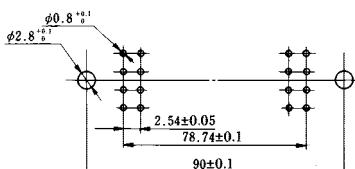
◆ PCB mounting pattern



■ Receptacle: 4-row Straight Type



◆ PCB mounting pattern

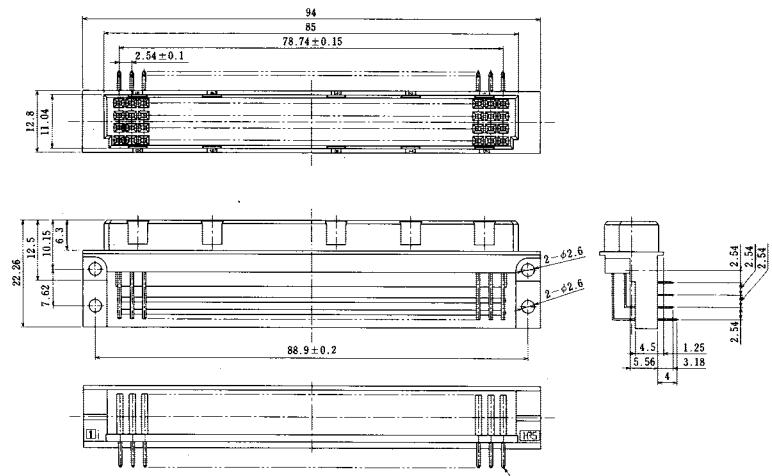
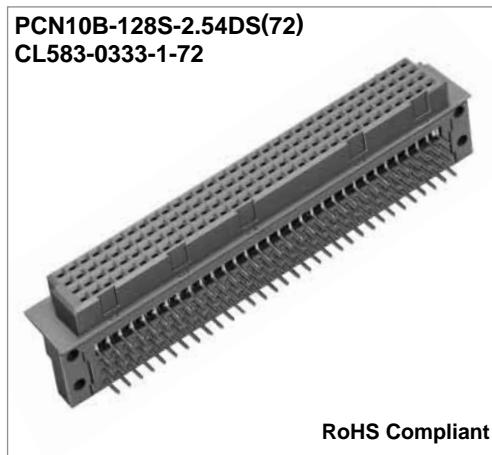


* WA is φ1.5±0.1

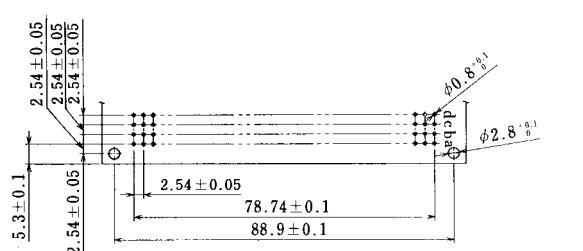
Unit:mm

Part Number	CL No.	Number of Contacts	RoHS
PCN10-128S-2.54DSA(72)	CL583-0089-2-72	128	
PCN10-128S-2.54WA(72)	CL583-0090-1-72	128	YES
PCN10-128S-2.54WB(72)	CL583-0091-4-72	128	

■ Receptacle: 4-row Right Angle Type

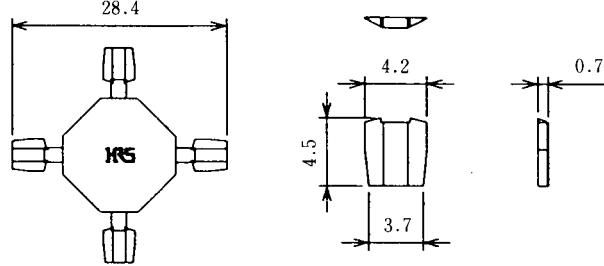


◆ PCB mounting pattern



■Polarizing Key

PCN10-GK(A)



Part Number	CL No.	Material	RoHS
PCN10-GK(A)	583-0269-4	PBT, black	YES

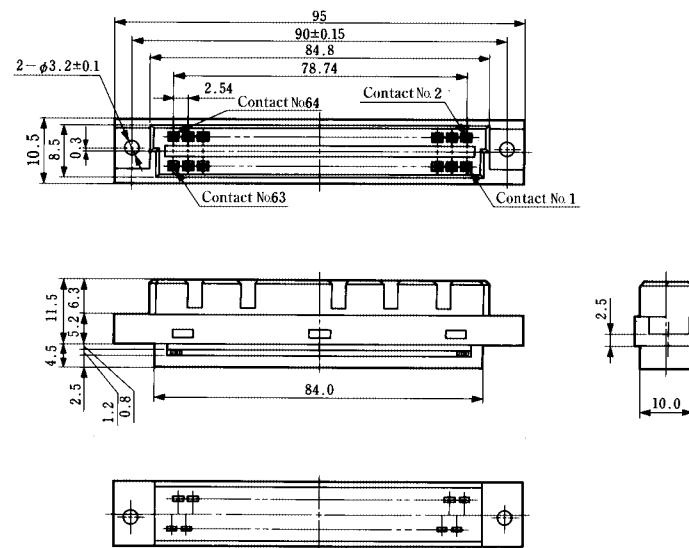
Note: Using the polarizing key prevents connector mis-insertion in the board.

Insert the polarizing key in both connectors on the receptacle side and header side.

Insert the polarizing key so as to hit the mold bottom.

Ribbon Cable Connector Compliant with DIN Standard

■Cable Insulation displacement Connector



■Insulation displacement Tool

- Guide plate for insulation displacement + pressing block



- Hi-Flex connection press



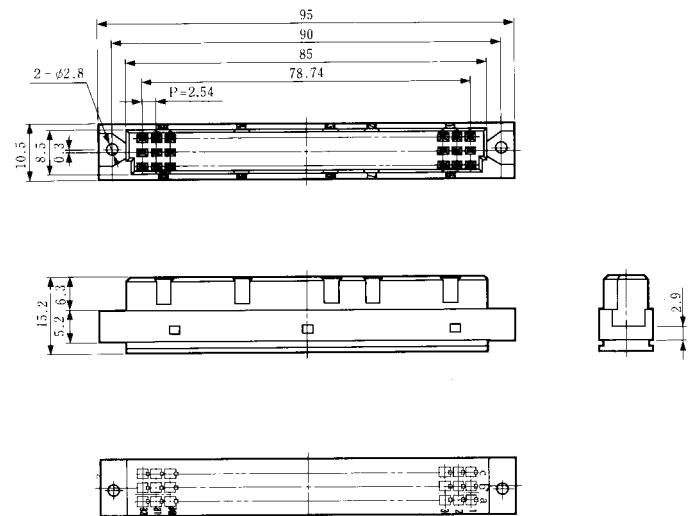
Part Number	CL No.	Height	Width	Depth	Weight
Hi-Flex connection press HHP502	550-0082-2	440mm	160mm	350mm	13kg

Crimping Connector Compliant with DIN Standard

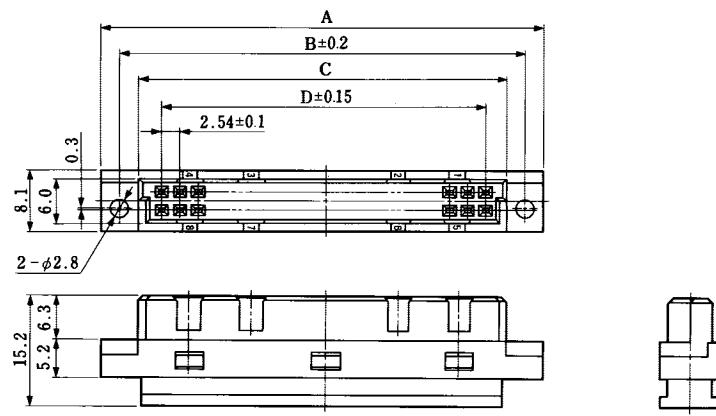
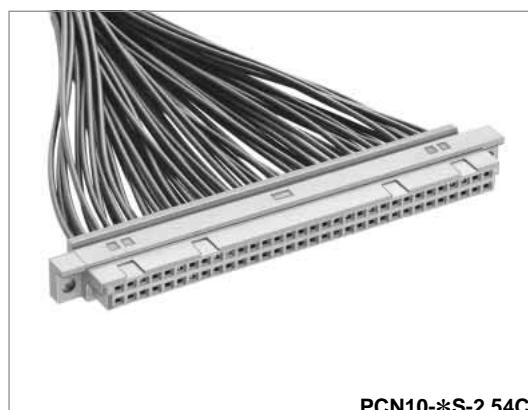
■3-row Type



Current rated	2A	(ID type 1A Crimping type AWG#26 2A AWG#28-30 1A)
Voltage rated	300V AC (Crimping type 200V AC)	



■2-row Type



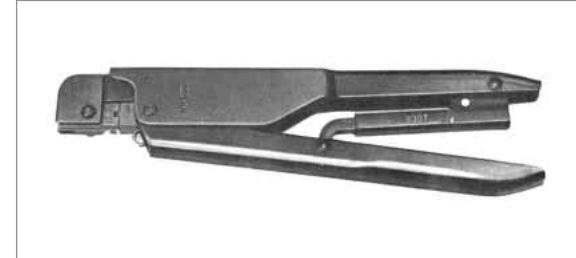
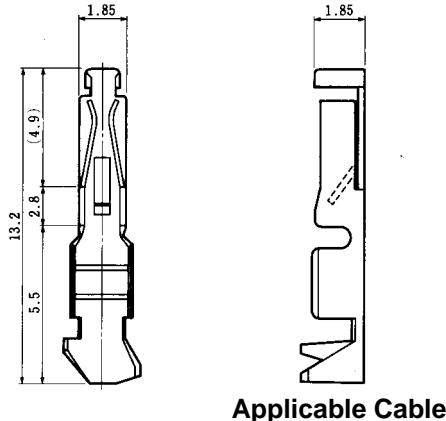
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10-20S-2.54C	CL583-0241-5	20	39.12	34.12	29.12	22.86	YES
PCN10-64S-2.54C	CL583-0243-0	64	95	90	85	78.74	

■ Manual Crimping Tool

- Crimping Contact
- PCN10-2630SC (Full Gold plated)
CL583-0102-9 (RoHS Compliant)
- PCN10-2226SC (Selective Gold plated)
CL583-0216-8 (RoHS Compliant)

- Crimping tool
- PCN10-TA2630HC (PCN10-2230SC)
CL550-0163-2
- PCN10-TA2226HC (PCN10-2226SC)
CL550-0218-2



- PCN10-2630SC: AWG#26 to #30
100pcs per bag
- PCN10-2226SC: AWG#22 to #26
100pcs per bag

■ Automatic Crimping Tool

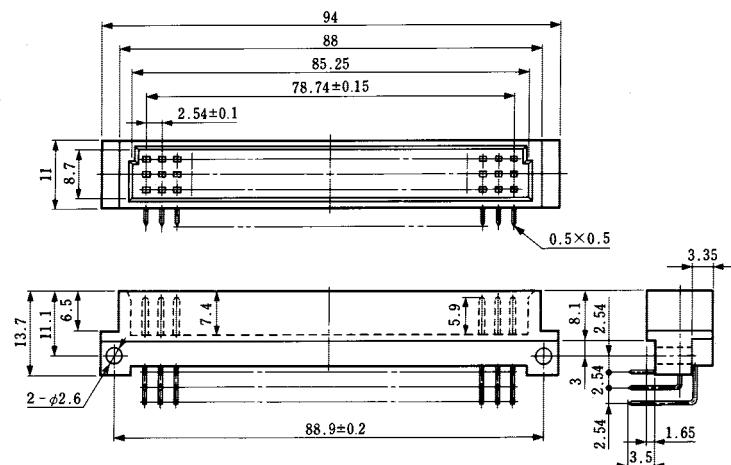
Item	Part Number	CL No.	Applicable Contact
Crimping tool unit	CM-105	901-0005-4	_____
Applicator	AP105-PCN10-2226S	901-3506-6	PCN10-2226SCF
	AP105-PCN10-2630S	901-3508-1	PCN10-2630SCF

■ Contact Extraction Tool

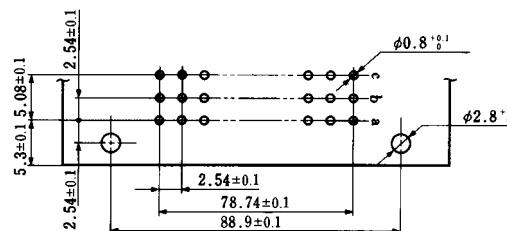
Part Number	CL No.
PCN10-PO	550-0282-1

Circuit Protection Function Type

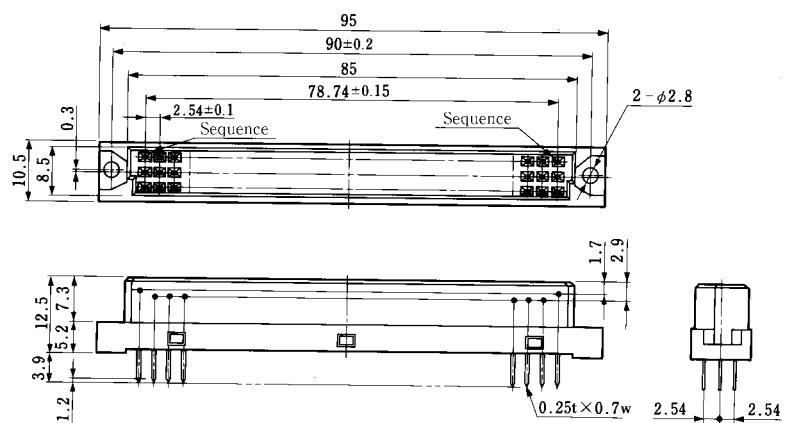
■ Pin Header: 3-row Right Angle Type



◆ PCB mounting pattern

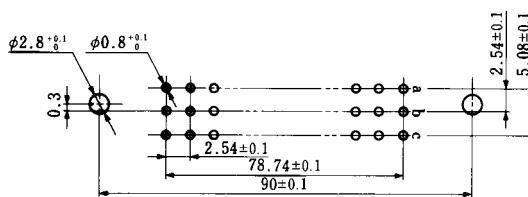


■ Receptacle: 3-row Straight Type

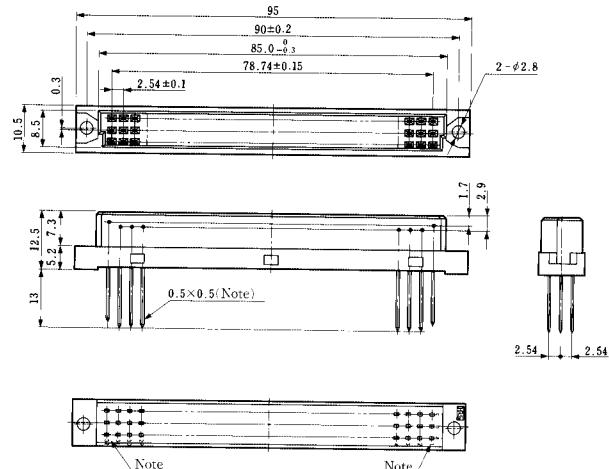
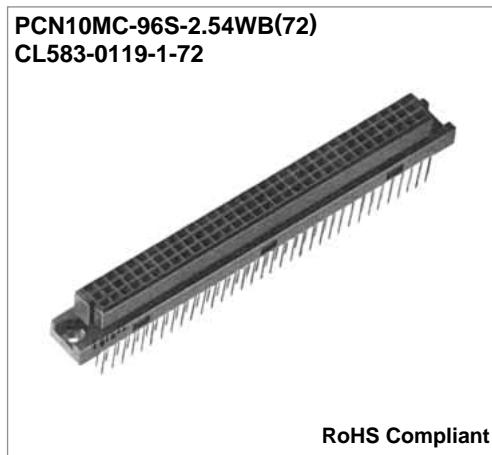


The sequential contacts are No. 1 and No. 32 in the row a.

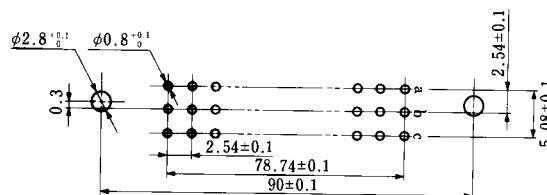
◆ PCB mounting pattern



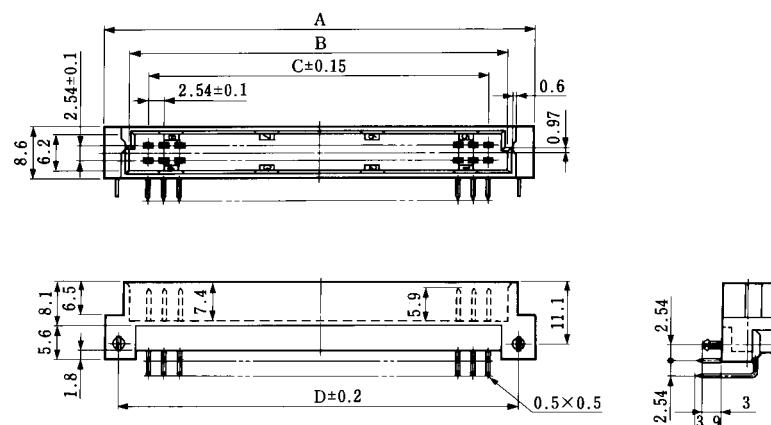
■ Receptacle: 3-row Wrapping Type



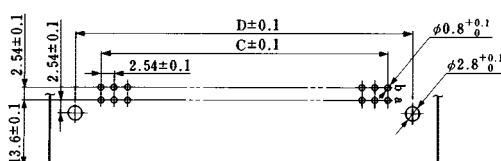
◆ PCB mounting pattern



■ Pin Header: 2-row Right Angle Type



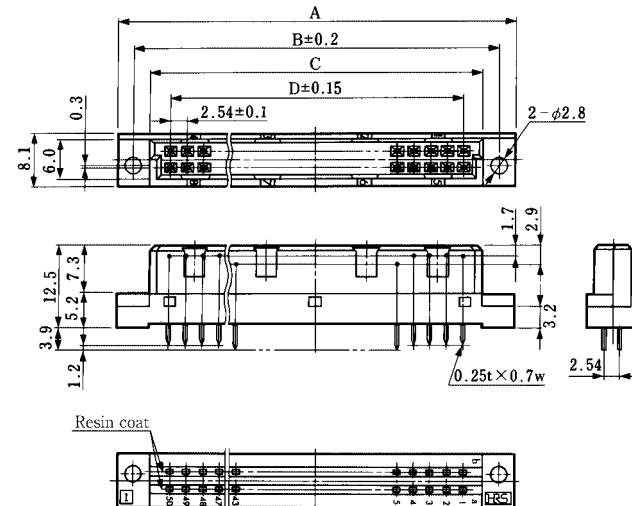
◆ PCB mounting pattern



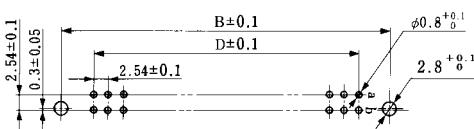
Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10MC- 64P-2.54DS(72)	CL583-0211-4-72	64	94	85.35	78.74	88.9	YES
PCN10MC-100P-2.54DS(72)	CL583-0212-7-72	100	139.72	131.07	124.46	134.62	

■ Receptacle: 2-row Straight Type



◆ PCB mounting pattern



(64 contacts): The sequential contacts are located at 27 points of 1 to 4 and 26 to 32 in both rows a and b.

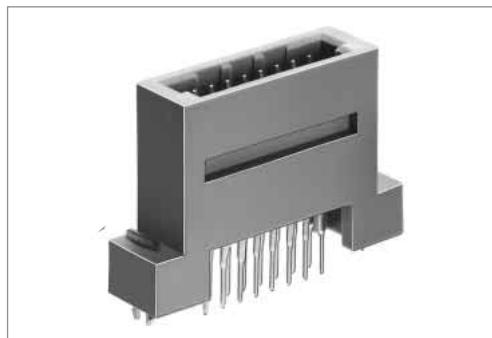
(100 contacts): The sequential contacts are located at 22 points of 1 to 4 and 44 to 50 in both rows a and b.

Unit:mm

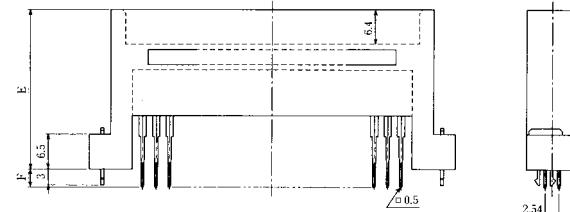
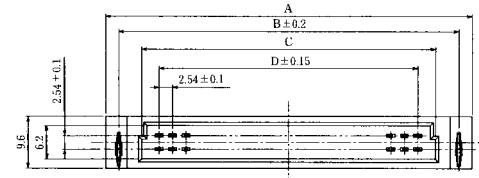
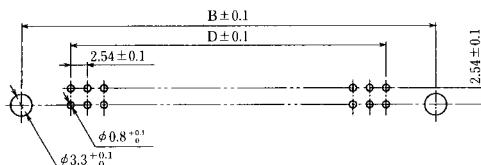
Part Number	CL No.	Number of Contacts	A	B	C	D	RoHS
PCN10MC- 64S-2.54DSA(72)	CL583-0213-0-72	64	95	90	85	78.74	YES
PCN10MC-100S-2.54DSA(72)	CL583-0214-2-72	100	140.72	135.72	130.72	124.46	

Stacking Connector

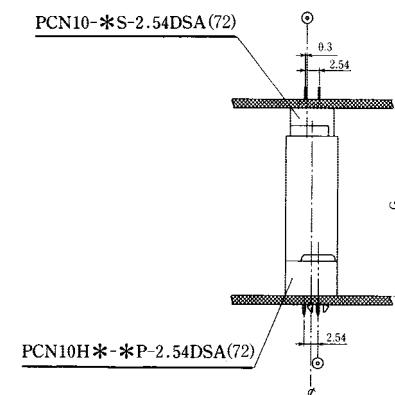
Stacking Plug



PCB mounting pattern



Application Pattern



Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	G	RoHS
PCN10H- 16P-2.54DSA(72)	CL583-0227-4-72	16	37.92	33.02	24.39	17.78				
PCN10H- 20P-2.54DSA(72)	CL583-0157-0-72	20	43	38.1	29.47	22.86				
PCN10H- 24P-2.54DSA(72)	CL583-0425-8-72	24	48.08	43.18	34.55	27.94				
PCN10H- 32P-2.54DSA(72)	CL583-0161-8-72	32	58.24	53.34	44.71	38.1				
PCN10H- 44P-2.54DSA(72)	CL583-0164-6-72	44	73.48	68.58	59.95	53.34				
PCN10H- 50P-2.54DSA(72)	CL583-0401-0-72	50	81.1	76.2	67.57	60.96				
PCN10HA-16P-2.54DSA(72)	CL583-0228-7-72	16	37.92	33.02	24.39	17.78				
PCN10HA-20P-2.54DSA(72)	CL583-0158-3-72	20	43	38.1	29.47	22.86				
PCN10HA-24P-2.54DSA(72)	CL583-0426-0-72	24	48.08	43.18	34.55	27.94				
PCN10HA-32P-2.54DSA(72)	CL583-0162-0-72	32	58.24	53.34	44.71	38.1				
PCN10HA-44P-2.54DSA(72)	CL583-0165-9-72	44	73.48	68.58	59.95	53.34				
PCN10HA-50P-2.54DSA(72)	CL583-0402-2-72	50	81.1	76.2	67.57	60.96				
PCN10HB-16P-2.54DSA(72)	CL583-0229-0-72	16	37.92	33.02	24.39	17.78				YES
PCN10HB-20P-2.54DSA(72)	CL583-0159-6-72	20	43	38.1	29.47	22.86				
PCN10HB-24P-2.54DSA(72)	CL583-0427-3-72	24	48.08	43.18	34.55	27.94				
PCN10HB-32P-2.54DSA(72)	CL583-0163-3-72	32	58.24	53.34	44.71	38.1				
PCN10HB-44P-2.54DSA(72)	CL583-0166-1-72	44	73.48	68.58	59.95	53.34				
PCN10HB-50P-2.54DSA(72)	CL583-0403-5-72	50	81.1	76.2	67.57	60.96				
PCN10HC-16P-2.54DSA(72)	CL583-0397-4-72	16	37.92	33.02	24.39	17.78				
PCN10HC-44P-2.54DSA(72)	CL583-0399-0-72	44	73.48	68.58	59.95	53.34				
PCN10HC-50P-2.54DSA(72)	CL583-0404-8-72	50	81.1	76.2	67.57	60.96				
PCN10HD-16P-2.54DSA(72)	CL583-0398-7-72	16	37.92	33.02	24.39	17.78				
PCN10HD-24P-2.54DSA(72)	CL583-0429-9-72	24	48.08	43.18	34.55	27.94				
PCN10HD-44P-2.54DSA(72)	CL583-0400-7-72	44	73.48	68.58	59.95	53.34				
PCN10HD-50P-2.54DSA(72)	CL583-0405-0-72	50	81.1	76.2	67.57	60.96				

Note: Please note that the above series can not mate with PCN10EA series.

Product Compliant to DIN41612/IEC603-2 Standard

PCN Series

Pin Header Side

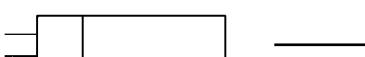
- Straight through hole type

PCN10 - * *P-2.54DSA



- Stacking through hole type

PCN10H* - * *P-2.54DSA



- Right angle through hole type (mounted on the board edge)

PCN10 - * *P-2.54DS

PCN12 - * *P-2.54DS

PCN12E - * *P-2.54DS



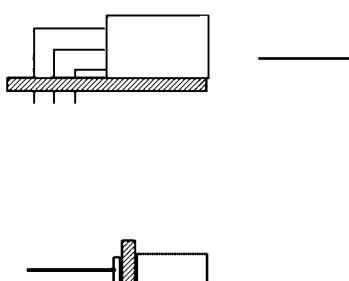
- Right angle through hole type (mounted on the board)

PCN10A - * *P-2.54DS

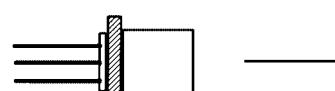
PCN10EA - * *P-2.54DS

PCN12A - * *P-2.54DS

PCN12EA - * *P-2.54DS



- Press fit type



PCN11-* *P-2.54W* -2+PCN11-* *P-2.54H-2

Receptacle Side

- Straight through hole

PCN10 - * *S-2.54DSA

PCN10C - * *S-2.54DSA

PCN10EA - * *S-2.54DSA

PCN10D - * *S-2.54DSA

PCN12 - * *S-2.54DSA

PCN12E - * *S-2.54DSA

PCN13 - * *S-2.54DSA

- Wrapping type

PCN10 - * *S-2.54W*

- Right angle through hole type (mounted on the board edge)

PCN10B - * *S-2.54DS

- Right angle through hole type (mounted on the board)

PCN10A - * *S-2.54DS

PCN10C - * *S-2.54DS

PCN13 - * *S-2.54DS

- Press fit short pin type

PCN11-* *S-2.54PFB-2

- Press fit long pin type

PCN11-* *S-2.54WB-2

- Cable type

PCN10-* *S-2.54C+PCN10-* * *SC*

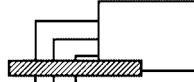
PCN10-* *S-2.54R

■Coaxial Connector and High Current Contact Composite Type

Pin Header Side

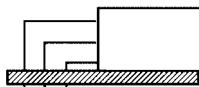
- Right angle through hole type (mounted on the board edge)

PCN10F-* *P-2.54DS



- Right angle through hole type (mounted on the board)

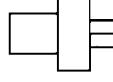
PCN10FA-* *P-2.54DS



Receptacle Side

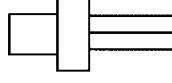
- Straight through hole type

PCN10F -* *S-2.54DSA



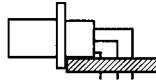
- Wrapping type

PCN10F -* *S-2.54W*



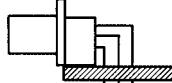
- Right angle through hole type (mounted on the board edge)

PCN10FB-* *S-2.54DS



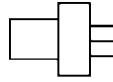
- Right angle through hole type (mounted on the board)

PCN10FA-* *S-2.54DS



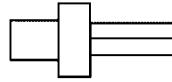
- Press fit short pin type

PCN11F-* *S-2.54PFB-2



- Press fit long pin type

PCN11F-* *S-2.54WB-2

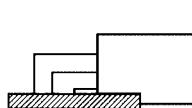


Circuit Protection Function Type

Pin Header Side

- Right angle through hole type

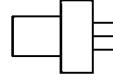
PCN10MC** *P-2.54DS



Receptacle Side

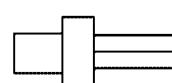
- Straight through hole type

PCN10MC** *S-2.54DSA



- Wrapping type

PCN10MC** *S-2.54W*

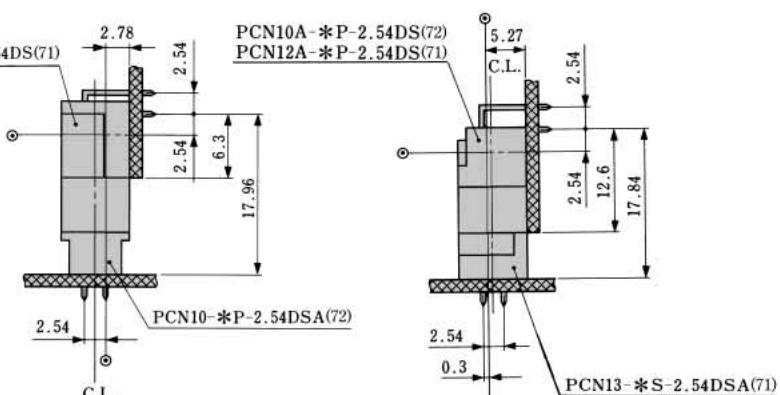
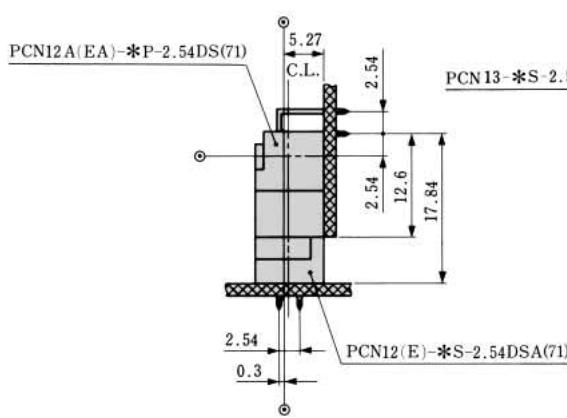
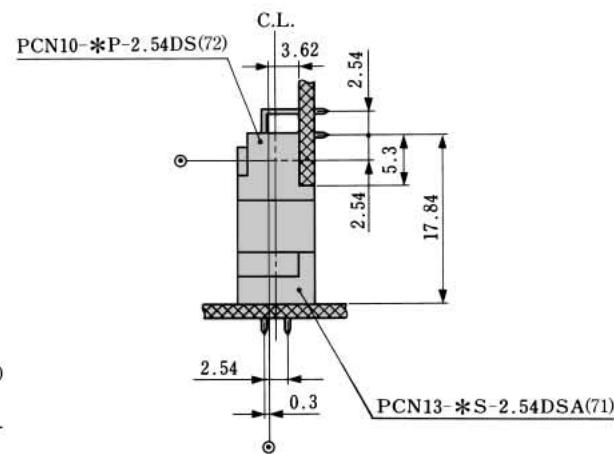
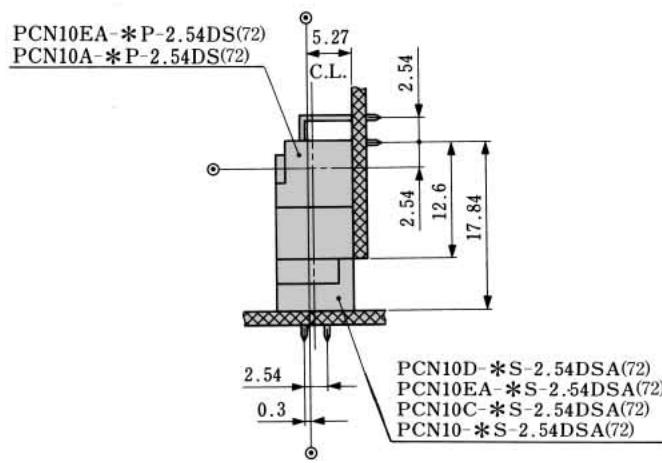
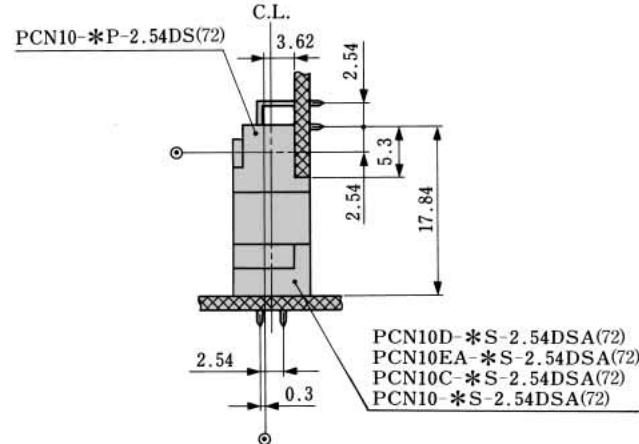
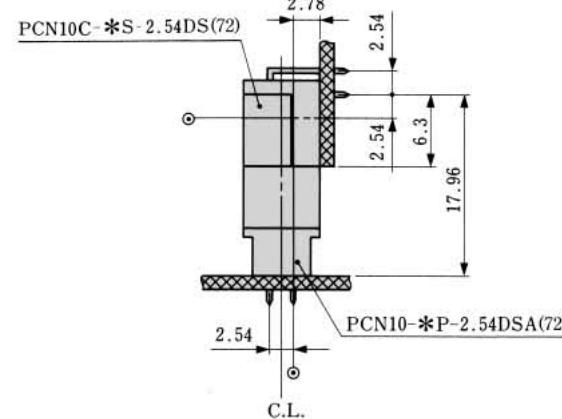


◆ Application Pattern

● Vertical Connection

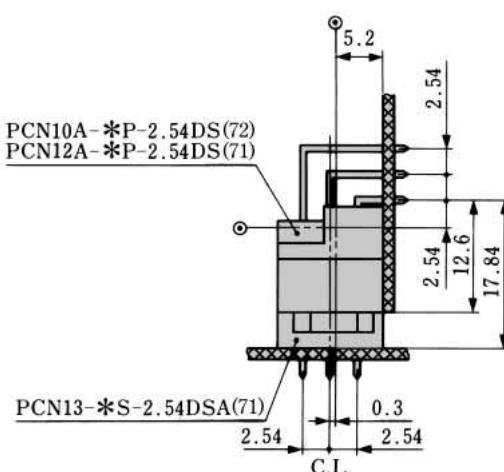
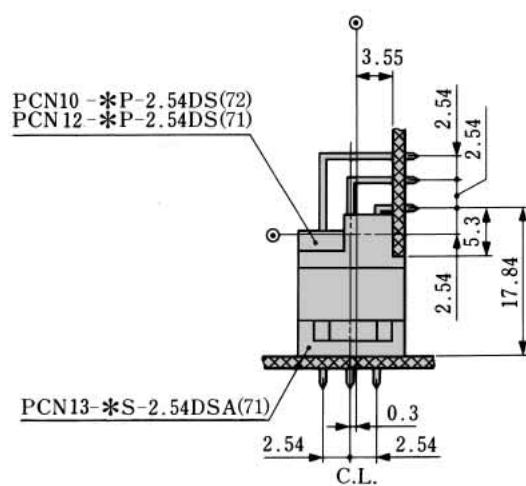
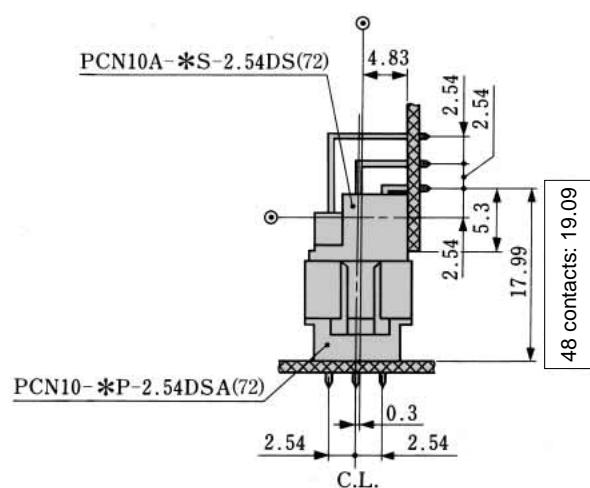
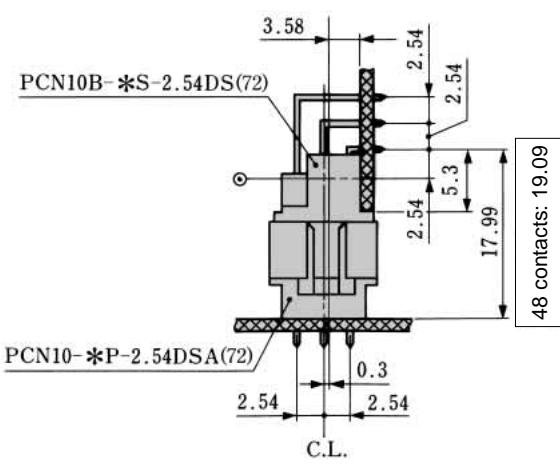
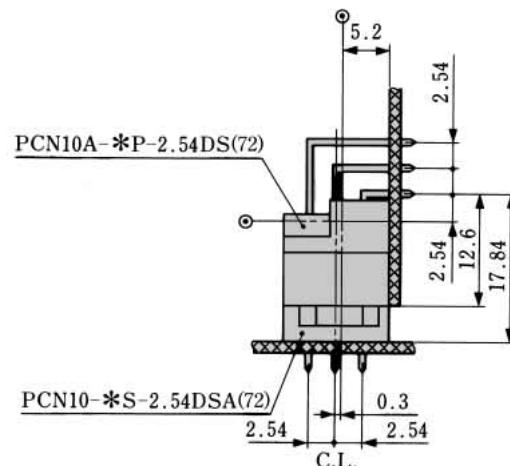
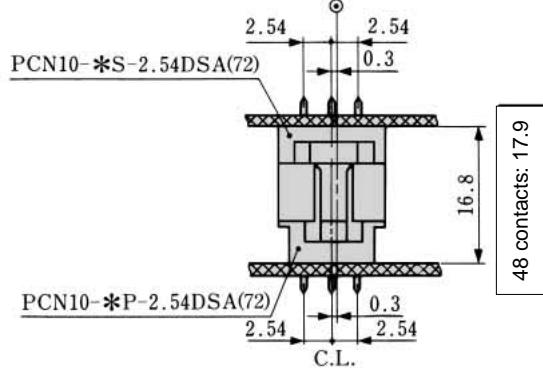
● 2-row type

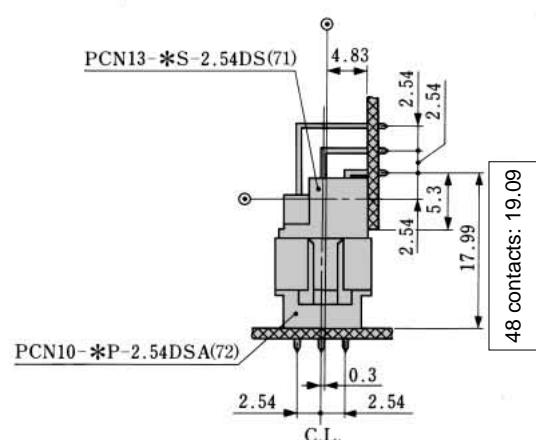
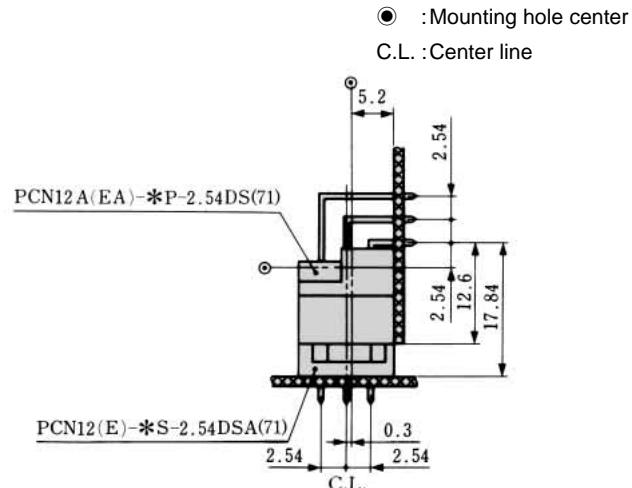
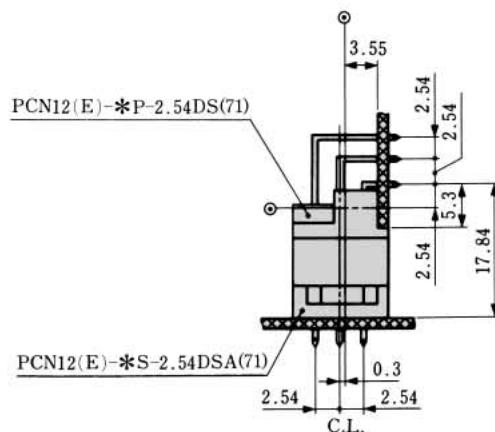
◎ : Mounting hole center
 C.L. : Center line



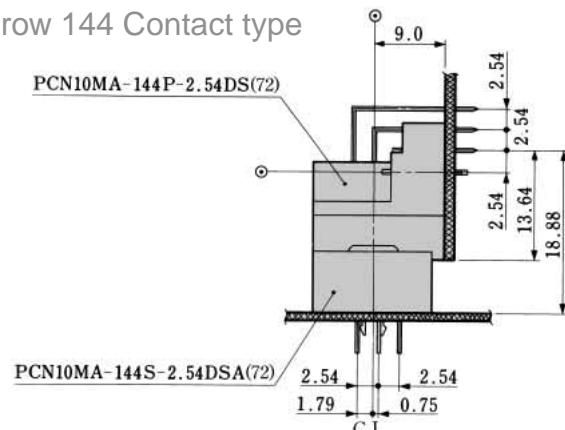
● 3-row type

○ : Mounting hole center
C.L. : Center line

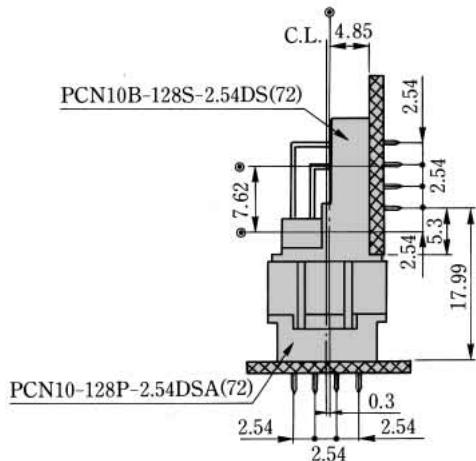
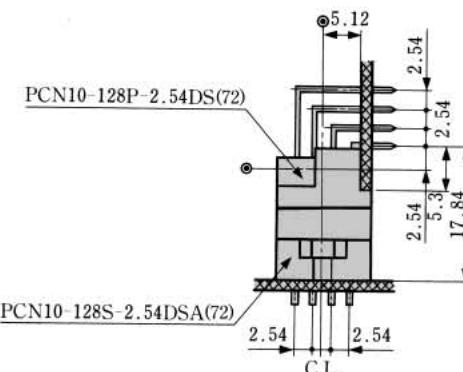
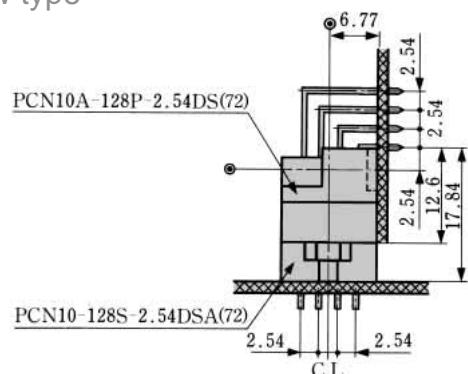




● 3-row 144 Contact type



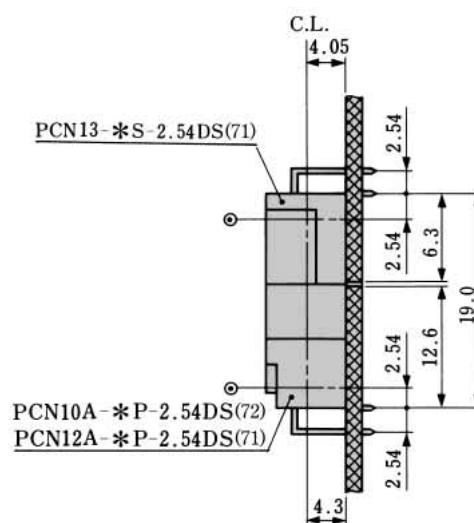
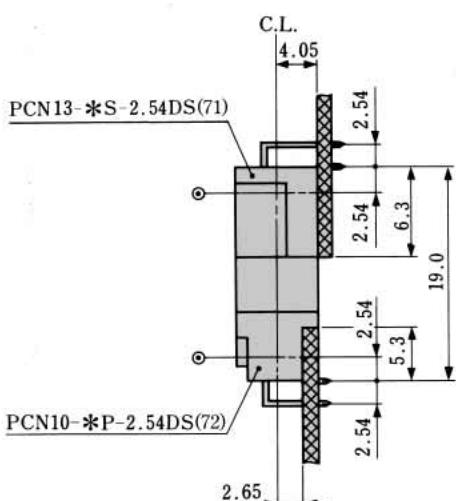
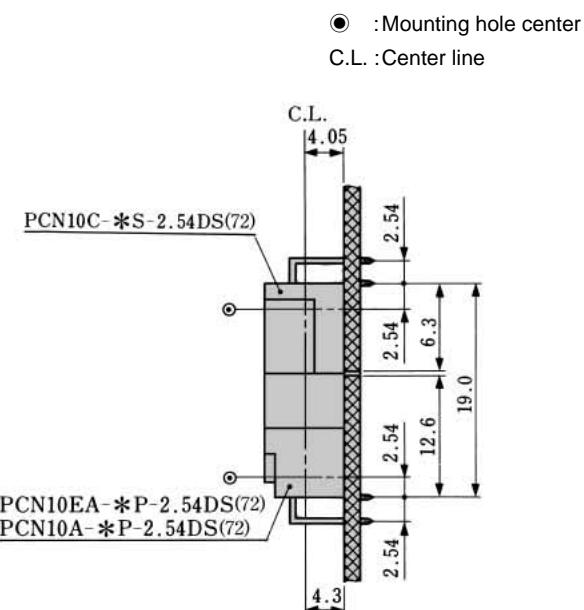
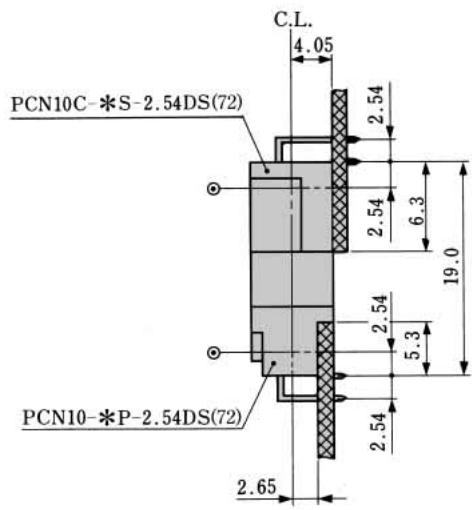
● 4-row type



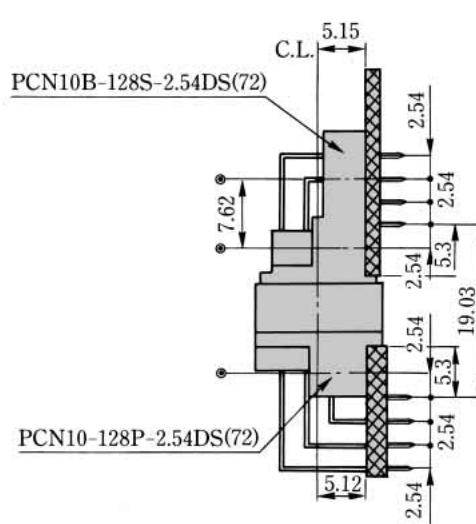
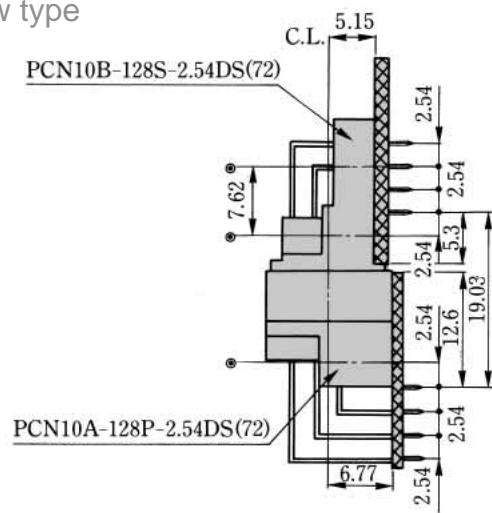
◆ Application Pattern

● Horizontal Connection

● 2-row type

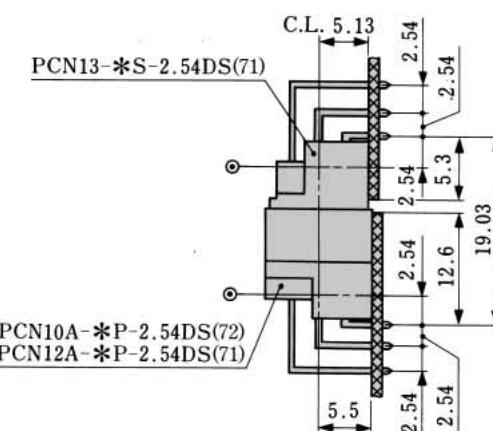
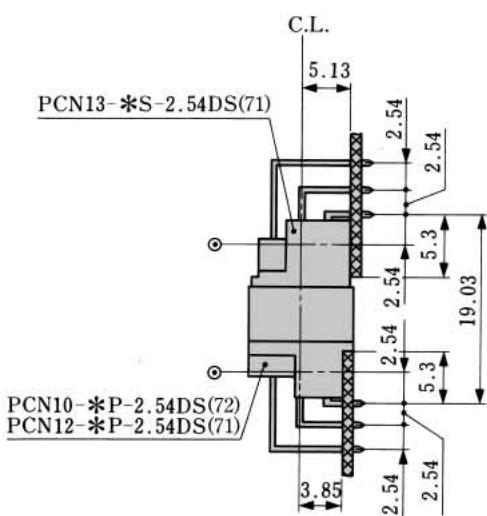
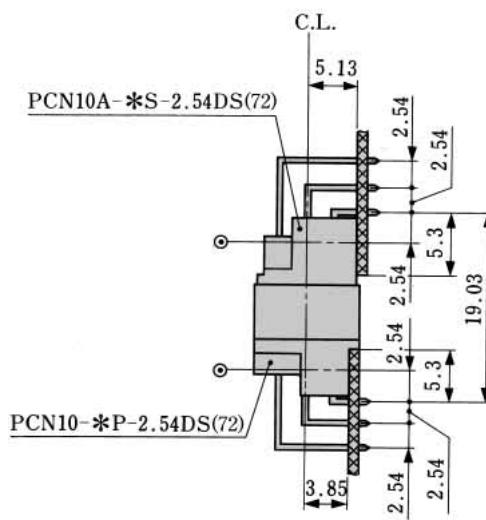
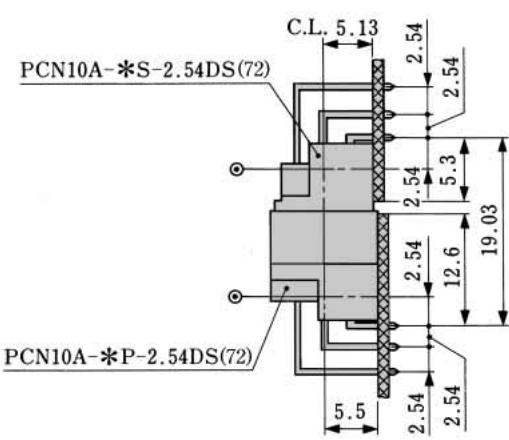
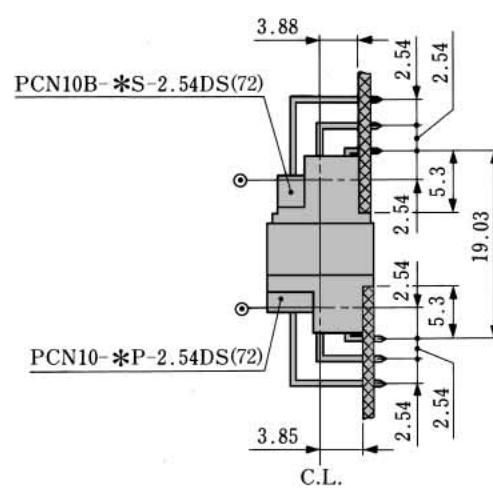
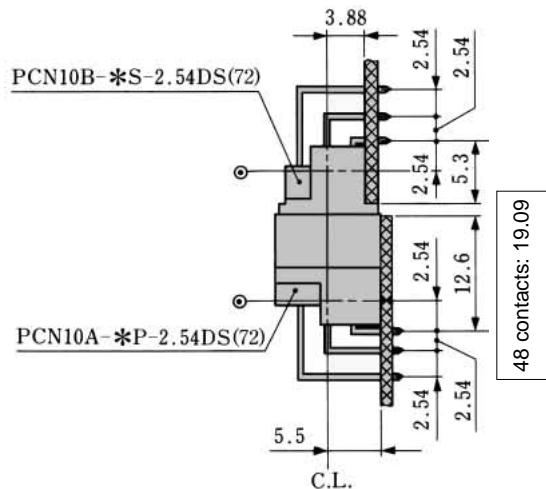


● 4-row type



● 3-row type

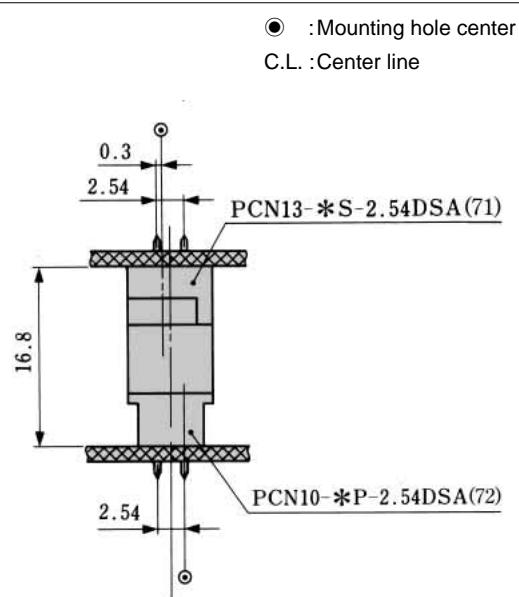
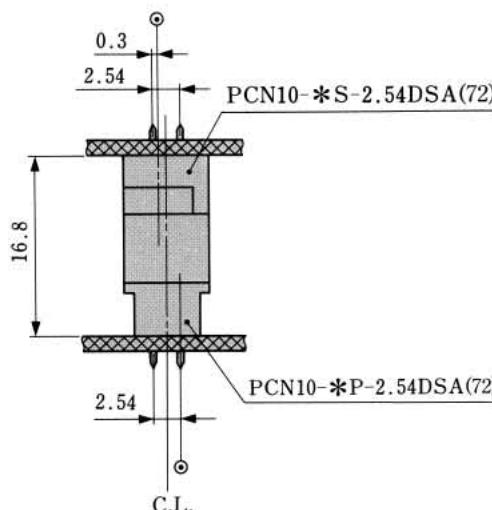
● : Mounting hole center
 C.L. : Center line



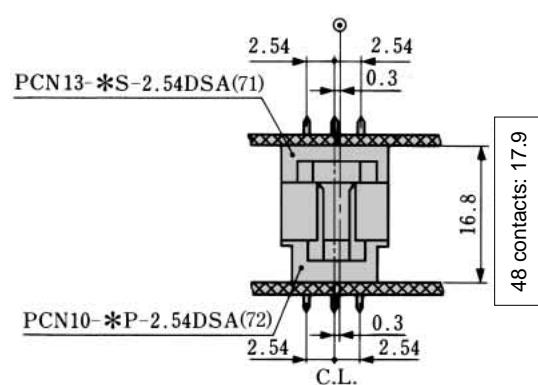
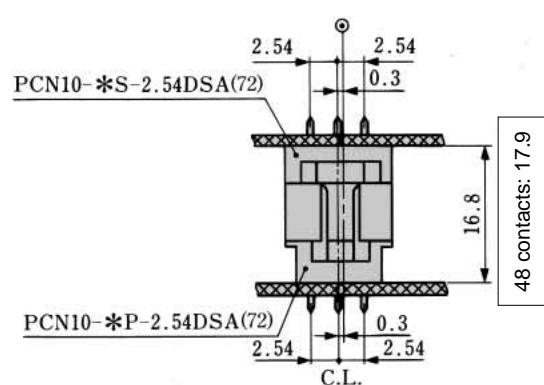
◆ Application Pattern

● Horizontal Connection

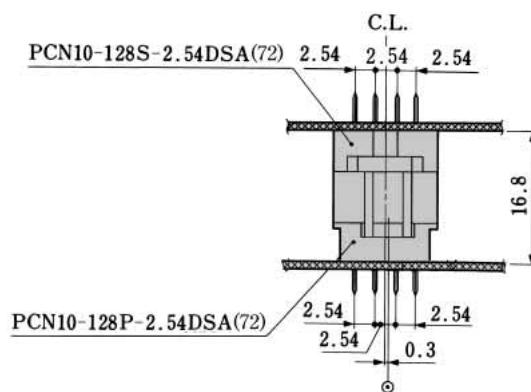
● 2-row type



● 3-row type



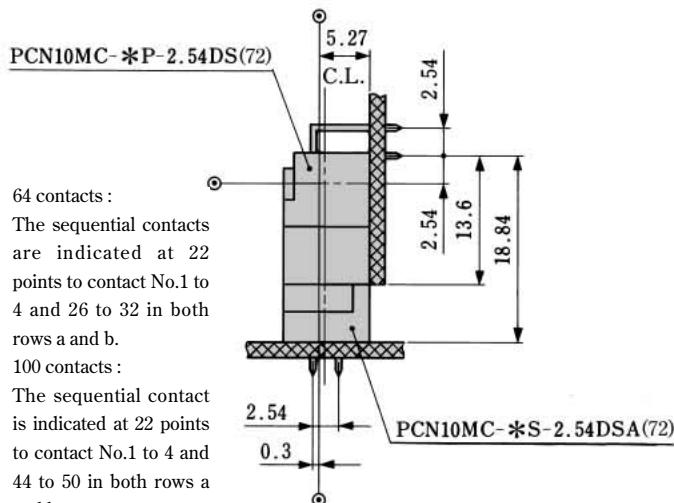
● 4-row type



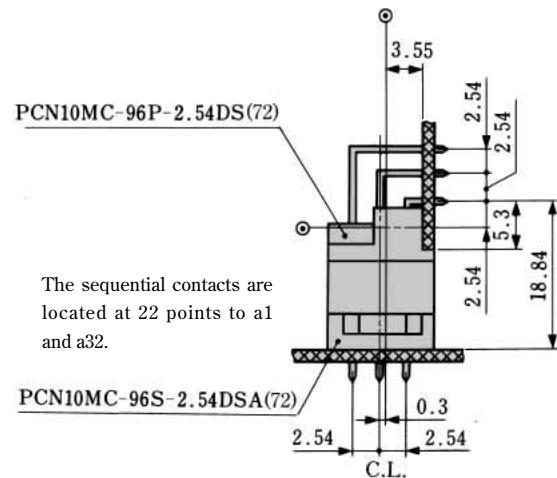
Application Pattern

Circuit Protection Function Type

● 2-row type



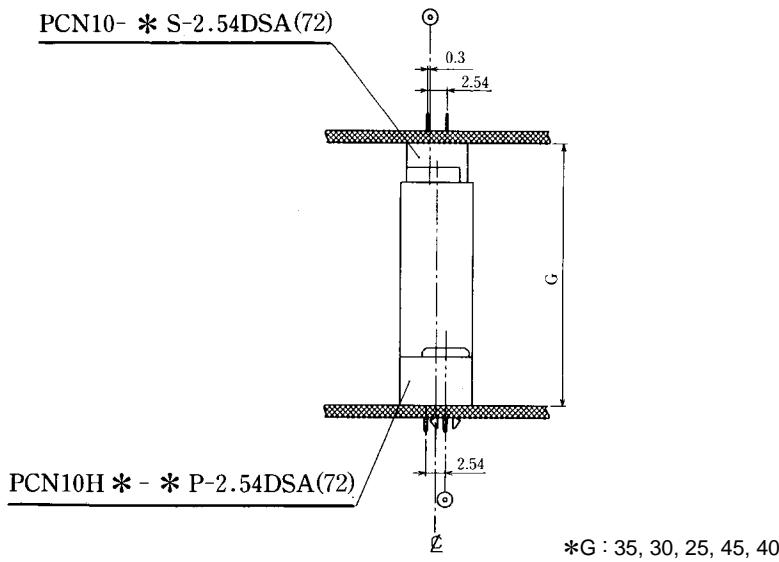
● 3-row type



● : Mounting hole center
C.L. : Center line

Stacking Connector

● : Mounting hole center
C.L. : Center line



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Hirose Electric:

[PCN10B-96S-2.54DS\(73\)](#) [PCN10B-96S-2.54DS\(77\)](#) [PCN10B-96S-2.54DS\(82\)](#) [PCN10A-96P-2.54DS\(71\)](#) [PCN10-64P-2.54DSA\(77\)](#) [PCN10A-90P-2.54DS\(77\)](#) [PCN10-90P-2.54DS\(71\)](#) [PCN10-90P-2.54DS\(77\)](#) [PCN10-32S-2.54DSA\(70\)](#) [PCN10-32S-2.54DSA\(75\)](#) [PCN10-32S-2.54DS\(77\)](#) [PCN10-64S-2.54DS\(77\)](#) [PCN10C-32S-2.54DSA\(75\)](#) [PCN10-44P-2.54DS\(77\)](#) [PCN10M-90P-2.54DS\(72\)](#) [PCN10B-64ACS-2.54DS\(72\)](#) [PCN10-64ACP-2.54DS\(77\)](#) [PCN10D-32S-2.54DSA\(72\)](#) [PCN10D-50S-2.54DSA\(72\)](#) [PCN10D-90S-2.54DSA\(72\)](#) [PCN10D-50S-2.54DS\(72\)](#) [PCN10D-64S-2.54DS\(72\)](#) [PCN10A-48S-2.54DSA\(72\)](#) [PCN10-32S-2.54WB\(72\)](#) [PCN10-96S-2.54WB\(71\)](#) [PCN10M-128P-2.54DS\(72\)](#) [PCN10M-128S-2.54DSA\(72\)](#) [PCN10M-128S-2.54WB\(72\)](#) [PCN10-20P-2.54DS\(77\)](#) [PCN10C-20S-2.54DSA\(75\)](#) [PCN10MA-64P-2.54DS\(72\)](#) [PCN10-128P-2.54DS\(71\)](#) [PCN10-128P-2.54DS\(77\)](#) [PCN10-128S-2.54DSA\(88\)](#) [PCN10E-64S-2.54DSA\(72\)](#) [PCN10E-50P-2.54DS\(72\)](#) [PCN10E-64P-2.54DS\(72\)](#) [PCN10E-90P-2.54DS\(72\)](#) [PCN10MA-50P-2.54DS\(72\)](#) [PCN10-100P-2.54DS\(77\)](#) [PCN10MC-96S-2.54WB\(71\)](#) [PCN10MC-96S-2.54WC\(71\)](#) [PCN10MC-96S-2.54DS\(71\)](#) [PCN10A-96S-2.54DSA\(72\)](#) [PCN10-20P-2.54DSA\(88\)](#) [PCN10C-32P-2.54DSA\(72\)](#) [PCN10C-96S-2.54DSA\(77\)](#) [PCN10H-44P-2.54DSA\(77\)](#) [PCN10E-100S-2.54DS\(72\)](#) [PCN10EA-96S-2.54DSA\(87\)](#) [PCN10EA-32P-2.54DS\(77\)](#) [PCN10EA-44P-2.54DS\(77\)](#) [PCN10EA-32S-2.54DSA\(86\)](#) [PCN10EA-32S-2.54DSA\(87\)](#) [PCN10EA-44S-2.54DSA\(77\)](#) [PCN10EA-50S-2.54DSA\(75\)](#) [PCN10EA-64S-2.54DSA\(75\)](#) [PCN10EA-90S-2.54DSA\(86\)](#) [PCN10EA-128S-2.54DSA\(77\)](#) [PCN10E-32S-2.54DS\(72\)](#) [PCN10-128P-2.54DSA\(77\)](#) [PCN10-128P-2.54DSA\(88\)](#) [PCN10MC-90S-2.54DSA\(72\)](#) [PCN10MC-90P-2.54DS\(72\)](#) [PCN10-128P-2.54DSB\(72\)](#) [PCN10Q-20P-2.54DSA\(72\)](#) [PCN10A-64S-2.54DS\(72\)](#) [PCN10B-64S-2.54DS\(72\)](#) [PCN10C-100S-2.54WA\(72\)](#) [PCN10EB-20P-2.54DS\(72\)](#) [PCN10EB-32P-2.54DS\(72\)](#) [PCN10EB-44P-2.54DS\(72\)](#) [PCN10EB-64P-2.54DS\(72\)](#) [PCN10EB-100P-2.54DS\(72\)](#) [PCN10EB-96P-2.54DS\(82\)](#) [PCN10EB-64ACP-2.54DS\(72\)](#) [PCN10EA-96S-2.54DS\(77\)](#) [PCN10EA-48P-2.54DSA\(72\)](#) [PCN10EA-32S-2.54DS\(77\)](#) [PCN10EA-32S-2.54DS\(82\)](#) [PCN10EA-44S-2.54DS\(72\)](#) [PCN10EA-50S-2.54DS\(77\)](#) [PCN10EA-64S-2.54DS\(77\)](#) [PCN10EA-100S-2.54DS\(72\)](#) [PCN10EA-32P-2.54DSA\(77\)](#) [PCN10EA-32P-2.54DSA\(87\)](#) [PCN10EA-50P-2.54DSA\(77\)](#) [PCN10EA-64P-2.54DSA\(77\)](#) [PCN10EA-90P-2.54DSA\(72\)](#) [PCN10M-96S-2.54DS\(72\)](#) [PCN10EA-64ACP-2.54DS\(72\)](#) [PCN10B-128S-2.54DS\(92\)](#) [PCN10B-128S-2.54DS\(93\)](#) [PCN10MCB-64S-2.54DSA\(72\)](#) [PCN10MA-48P-2.54DS\(72\)](#) [PCN10-48S-2.54WA\(72\)](#) [PCN10MCA-96P-2.54DS\(72\)](#) [PCN10MCB-96P-2.54DS\(72\)](#) [PCN10MCB-64ACP-2.54DS\(72\)](#) [PCN10MCC-64ACP-2.54DS\(72\)](#)