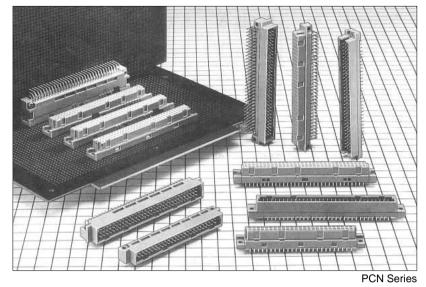
PCN10, 12, 13 Series (Product Compliant to DIN Standard: through hole, Wrapping Type)



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 doublesided 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.



The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirospen's RoHS septing were compliant to complex to complex

■Product Specifications

Rating	Current rating: 2A Voltage rating: 300V AC	Operating Temperature Range: -55 to +85℃ (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	Spe	cification	Condition			
1.Insulation Resistance	10 ⁶ M ohms		100V DC			
2.Withstanding Voltage	No flashover or insulation	on breakdown.	1000V AC (insulation displacement, crimping type: 650V AC) /1 minute.			
3.Contact Resistance	20m ohms max.		0.1A			
4.Vibration	No electrical discontinu	ity of 10 μ s 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 : 1	0 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 cy			
7.Durability (Mating/un-mating)	Contact resistance : 20	m ohms max.	500 cycles			
8.Resistance to Soldering heat	No deformation of comp	onents affecting performance.	ce. Manual soldering: 300°C for 3 seconds			

Note 1: Includes temperature rise caused by current flow.

Note 2: The term "storage" refers to product 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.

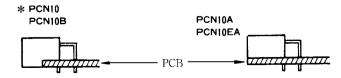
Material

Parts		Parts Material Finish		
Insulator		PBT	Gray	UL94V-0
Contact	Pin header	Brass	Contact area: Gold plated	
Contact	Receptacle	Copper alloy	Remainer: Tin plated	

Ordering Information

PCN 10 Series	PCN10	$\frac{PCN10}{PCN10} = \frac{A}{P} - \frac{*}{2} \frac{P}{P} - \frac{2}{2} \frac{A}{P} - \frac{2}{2} \frac{A}{P} \frac{A}{P} - \frac{2}{2} \frac{A}{P} $		2.54	DS		
	0	2	3	4		6	6

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



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

The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS envise her discontinued on will be discontinued and the second the second at the second at the second second at the second second

PCN 12 Series (Plug)

	PCN12 A - >	* P - 2.54 DS
	0 2	3 4 5 6
• Series name	: PCN12	S Number of contacts : 2-row: 10, 16, 20, 24, 28, 32, 44,
No symbol	: DIN standard type C (96 Contacts)	50, 64, 90, 100
A	: Original type	3-row: 96
E-EA	: With board prefixed lock pin type	P : Plug
		S Contact pitch : 2.54mm
		Contact type : DS: Right angle through hole type

PCN 12E-*S-2.54 DSA(Socket)

	0 2 3	4	6	6
		1		
Series name	: PCN12	4	S	: Socket
No symbol	: Standard type	6 Conta	act pitch	: 2.54mm
E	: With board prefixed lock pin type	6 Conta	act type	: DSA: Straight through hole type
Output States And A States	cts : 2-row: 10, 16, 20, 28, 32, 44, 50,			
64, 90, 100				
	3-row: 96			

PCN12 E - * S - 2.54 DSA

PCN 13E-*S-2.54 DSA (Socket)

$\frac{\text{PCN13}}{\text{O}} \quad \frac{\text{E}}{\text{O}} - \frac{\text{*}}{\text{G}} \frac{\text{S}}{\text{O}} - \frac{2.54}{\text{O}} \frac{\text{DSA}}{\text{O}}$

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

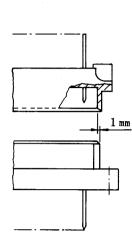
*PCN13 series are only socket type.

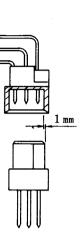
PCN10 and 12 series are mating connectors.

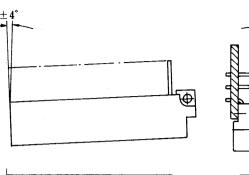
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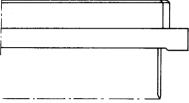
DIN Connector Mating Condition

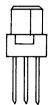
DIN connectors of Hirose should be used under conditions as illustrated below.





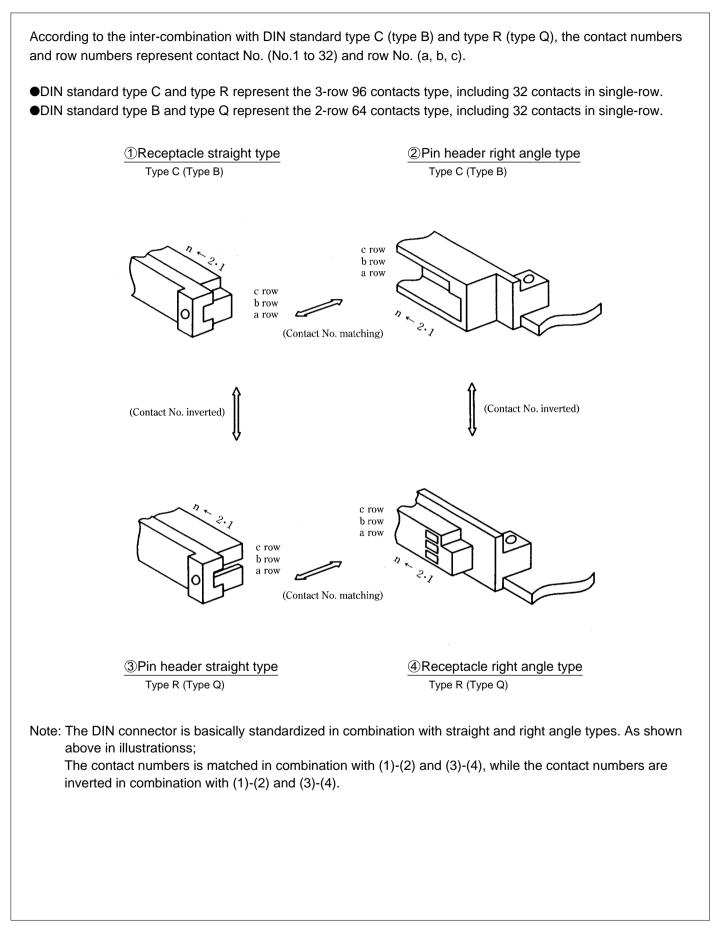






+2



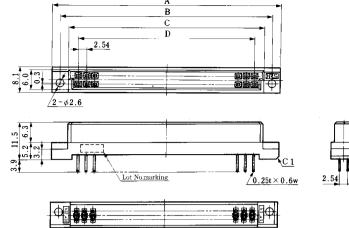


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PCN13 Series

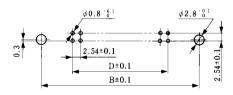
Socket: 2-row Straight Type





					U	nit:mm
CL No.	Number of Contacts	А	В	С	D	RoHS
CL583-3001-8-71	16	34.04	29.04	24.04	17.78	
CL583-3002-0-71	20	39.12	34.12	29.12	22.86	
CL583-3004-6-71	32	54.36	49.36	44.36	38.1	
CL583-3005-9-71	44	69.6	64.6	59.6	53.34	YES
CL583-3006-1-71	50	77.22	72.22	67.22	60.96	
CL583-3007-4-71	64	95	90	85	78.74	
CL583-3008-7-71	90	128.02	123.02	118.02	111.76	
CL583-3009-0-71	100	140.72	135.72	130.72	124.46	
	CL No. CL583-3001-8-71 CL583-3002-0-71 CL583-3004-6-71 CL583-3006-1-71 CL583-3006-1-71 CL583-3007-4-71 CL583-3008-7-71 CL583-3009-0-71	CL583-3001-8-71 16 CL583-3002-0-71 20 CL583-3004-6-71 32 CL583-3005-9-71 44 CL583-3006-1-71 50 CL583-3007-4-71 64 CL583-3008-7-71 90	CL583-3001-8-71 16 34.04 CL583-3002-0-71 20 39.12 CL583-3004-6-71 32 54.36 CL583-3005-9-71 44 69.6 CL583-3006-1-71 50 77.22 CL583-3007-4-71 64 95 CL583-3008-7-71 90 128.02	CL583-3001-8-711634.0429.04CL583-3002-0-712039.1234.12CL583-3004-6-713254.3649.36CL583-3005-9-714469.664.6CL583-3006-1-715077.2272.22CL583-3007-4-71649590CL583-3008-7-7190128.02123.02	CL583-3001-8-71 16 34.04 29.04 24.04 CL583-3002-0-71 20 39.12 34.12 29.12 CL583-3004-6-71 32 54.36 49.36 44.36 CL583-3005-9-71 44 69.6 64.6 59.6 CL583-3006-1-71 50 77.22 72.22 67.22 CL583-3007-4-71 64 95 90 85 CL583-3008-7-71 90 128.02 123.02 118.02	CL No. Number of Contacts A B C D CL583-3001-8-71 16 34.04 29.04 24.04 17.78 CL583-3002-0-71 20 39.12 34.12 29.12 22.86 CL583-3004-6-71 32 54.36 49.36 44.36 38.1 CL583-3005-9-71 444 69.6 64.6 59.6 53.34 CL583-3006-1-71 50 77.22 72.22 67.22 60.96 CL583-3007-4-71 64 95 90 85 78.74 CL583-3008-7-71 90 128.02 123.02 118.02 117.6

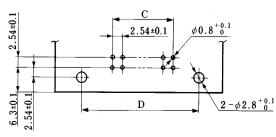
● PCB mounting pattern

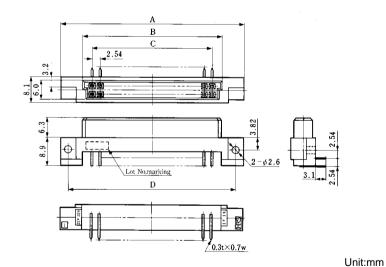


Socket: 2-row Right Angle Type



● PCB mounting pattern



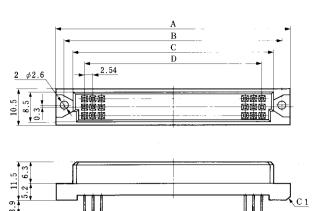


Part Number	CL No.	Number of Contacts	А	В	С	D	RoHS
PCN13- 16S-2.54DS(71)	CL583-3031-9-71	16	38.02	24.04	17.78	33.02	
PCN13- 20S-2.54DS(71)	CL583-3032-1-71	20	43.1	29.12	22.86	38.1	
PCN13- 30S-2.54DS(71)	CL583-3033-4-71	30	55.8	41.82	35.56	50.8	
PCN13- 32S-2.54DS(71)	CL583-3034-7-71	32	58.34	44.36	38.1	53.34	YES
PCN13- 44S-2.54DS(71)	CL583-3035-0-71	44	73.58	59.6	53.34	68.58	TES
PCN13- 50S-2.54DS(71)	CL583-3036-2-71	50	81.2	67.22	60.96	76.2	
PCN13- 64S-2.54DS(71)	CL583-3037-5-71	64	98.98	85	78.74	93.98	
PCN13-100S-2.54DS(71)	CL583-3039-0-71	100	144.7	130.72	124.46	139.7	
	PCN13- 16S-2.54DS(71) PCN13- 20S-2.54DS(71) PCN13- 30S-2.54DS(71) PCN13- 32S-2.54DS(71) PCN13- 44S-2.54DS(71) PCN13- 50S-2.54DS(71) PCN13- 64S-2.54DS(71)	PCN13- 16S-2.54DS(71) CL583-3031-9-71 PCN13- 20S-2.54DS(71) CL583-3032-1-71 PCN13- 30S-2.54DS(71) CL583-3033-4-71 PCN13- 32S-2.54DS(71) CL583-3034-7-71 PCN13- 32S-2.54DS(71) CL583-3034-7-71 PCN13- 44S-2.54DS(71) CL583-3035-0-71 PCN13- 50S-2.54DS(71) CL583-3036-2-71 PCN13- 64S-2.54DS(71) CL583-3037-5-71	PCN13- 16S-2.54DS(71) CL583-3031-9-71 16 PCN13- 20S-2.54DS(71) CL583-3032-1-71 20 PCN13- 30S-2.54DS(71) CL583-3033-4-71 30 PCN13- 32S-2.54DS(71) CL583-3033-4-71 32 PCN13- 32S-2.54DS(71) CL583-3035-0-71 44 PCN13- 50S-2.54DS(71) CL583-3036-2-71 50 PCN13- 64S-2.54DS(71) CL583-3037-5-71 64	PCN13- 16S-2.54DS(71) CL583-3031-9-71 16 38.02 PCN13- 20S-2.54DS(71) CL583-3032-1-71 20 43.1 PCN13- 30S-2.54DS(71) CL583-3033-4-71 30 55.8 PCN13- 32S-2.54DS(71) CL583-3034-7-71 32 58.34 PCN13- 44S-2.54DS(71) CL583-3035-0-71 44 73.58 PCN13- 50S-2.54DS(71) CL583-3036-2-71 50 81.2 PCN13- 64S-2.54DS(71) CL583-3037-5-71 64 98.98	PCN13- 16S-2.54DS(71) CL583-3031-9-71 16 38.02 24.04 PCN13- 20S-2.54DS(71) CL583-3032-1-71 20 43.1 29.12 PCN13- 30S-2.54DS(71) CL583-3033-4-71 30 55.8 41.82 PCN13- 32S-2.54DS(71) CL583-3033-4-71 32 58.34 44.36 PCN13- 44S-2.54DS(71) CL583-3035-0-71 44 73.58 59.6 PCN13- 50S-2.54DS(71) CL583-3036-2-71 50 81.2 67.22 PCN13- 64S-2.54DS(71) CL583-3037-5-71 64 98.98 85	PCN13-16S-2.54DS(71)CL583-3031-9-711638.0224.0417.78PCN13-20S-2.54DS(71)CL583-3032-1-712043.129.1222.86PCN13-30S-2.54DS(71)CL583-3033-4-713055.841.8235.56PCN13-32S-2.54DS(71)CL583-3034-7-713258.3444.3638.1PCN13-44S-2.54DS(71)CL583-3035-0-714473.5859.653.34PCN13-50S-2.54DS(71)CL583-3036-2-715081.267.2260.96PCN13-64S-2.54DS(71)CL583-3037-5-716498.988578.74	PCN13- 16S-2.54DS(71) CL583-3031-9-71 16 38.02 24.04 17.78 33.02 PCN13- 20S-2.54DS(71) CL583-3032-1-71 20 43.1 29.12 22.86 38.1 PCN13- 30S-2.54DS(71) CL583-3033-4-71 30 55.8 41.82 35.56 50.8 PCN13- 32S-2.54DS(71) CL583-3034-771 32 58.34 44.36 38.1 53.34 PCN13- 44S-2.54DS(71) CL583-3035-0-71 44 73.58 59.6 53.34 68.58 PCN13- 50S-2.54DS(71) CL583-3036-2-71 50 81.2 67.22 60.96 76.2 PCN13- 64S-2.54DS(71) CL583-3037-5-71 64 98.98 85 78.74 93.98

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Socket: 3-row Straight Type



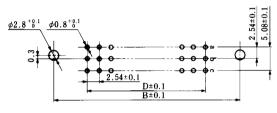




∕0.25t×0.6w



●PCB mounting pattern

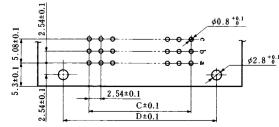


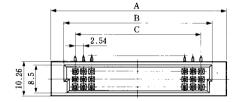
						U	nit:mm
Part Number	CL No.	Number of Contacts	А	В	С	D	RoHS
PCN13-48S-2.54DSA(71)	CL583-3010-9-71	48	54.36	50	44.36	38.1	YES
PCN13-96S-2.54DSA(71)	CL583-3011-1-71	96	95	90	85	78.74	TES

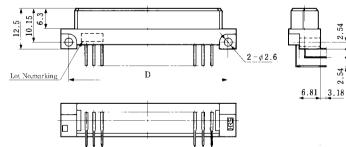
Socket: 3-row Right Angle Type



●PCB mounting pattern







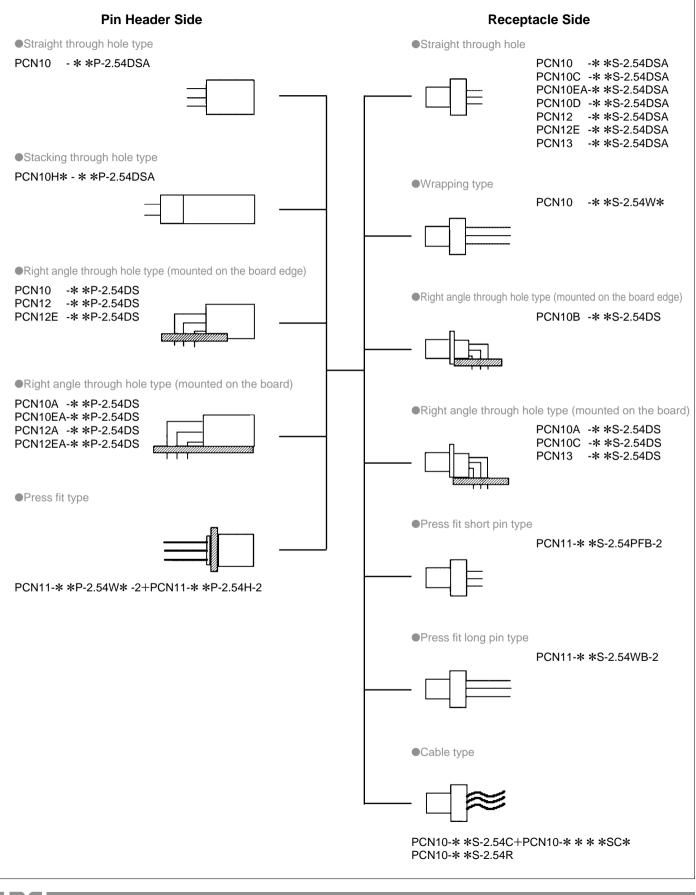
							Uı	nit:mm
.1	Part Number	CL No.	Number of Contacts	А	В	С	D	RoHS
	PCN13-48S-2.54DS(71)	CL583-3040-0-71	48	53.36	44.36	38.1	48.26	YES
	PCN13-96S-2.54DS(71)	CL583-3041-2-71	96	94	85	78.74	88.9	TES

A48 **HS**

The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative.

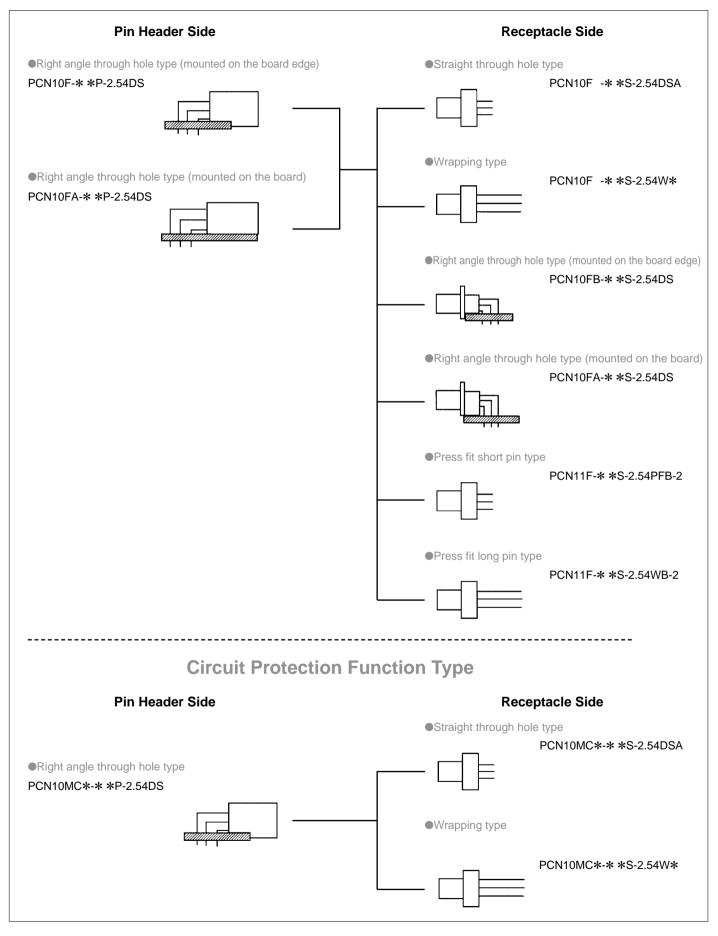
Product Compliant to DIN41612/IEC603-2 Standard

PCN Series



A12 **HS**

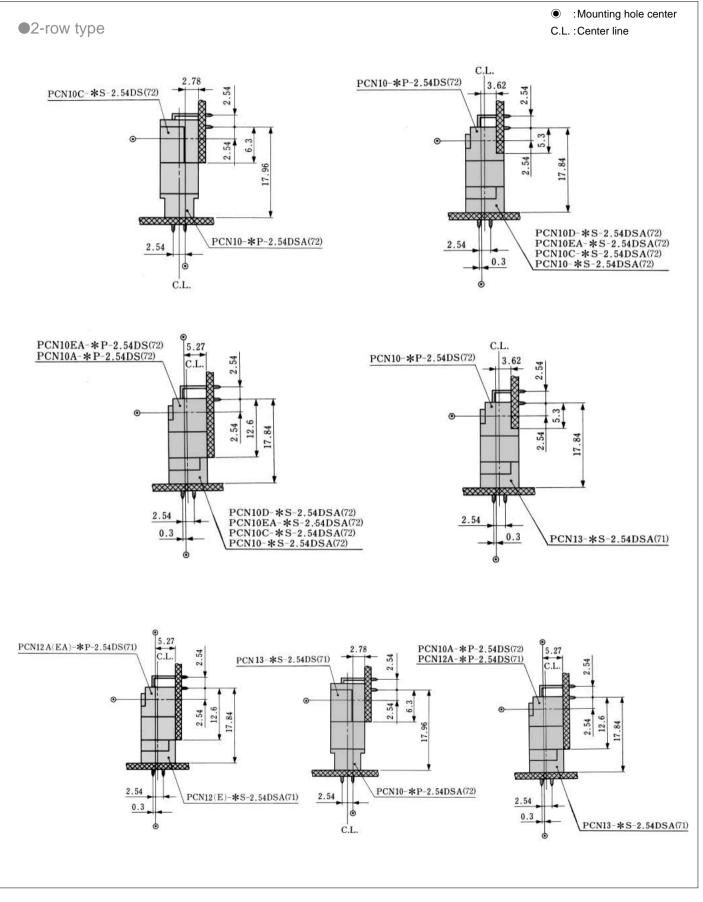
■Coaxial Connector and High Current Contact Composite Type



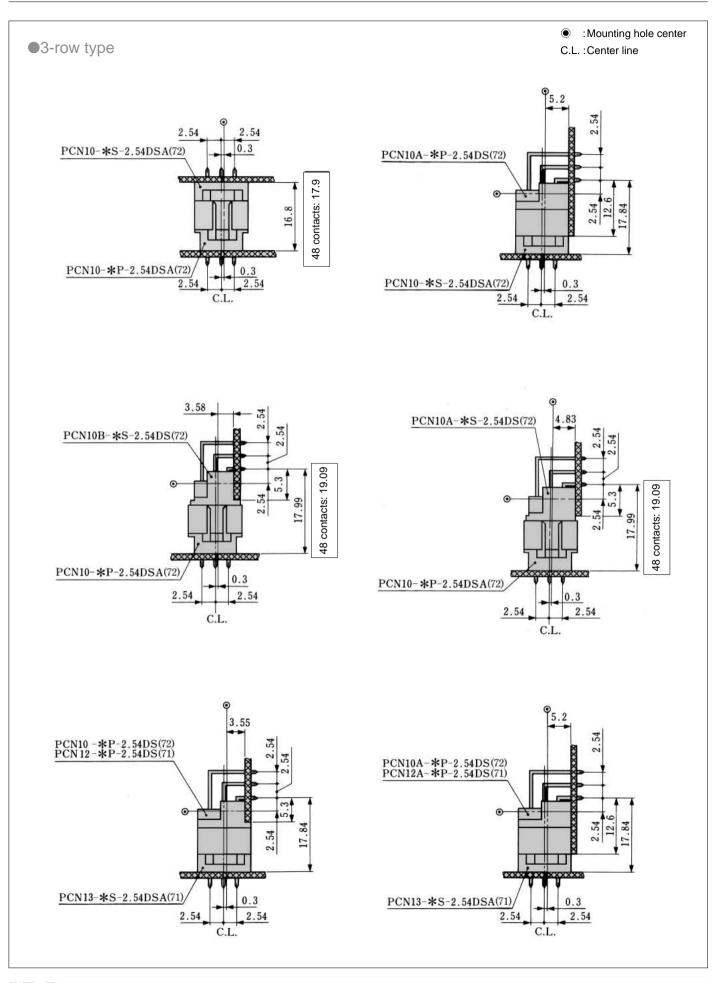
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Application Pattern

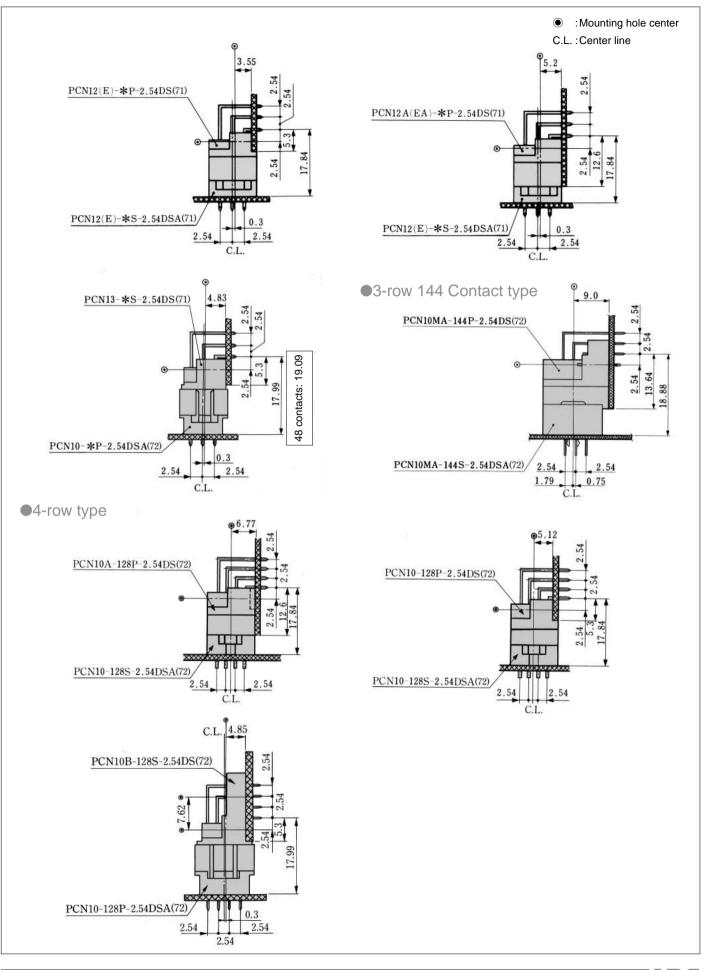
Vertical Connection



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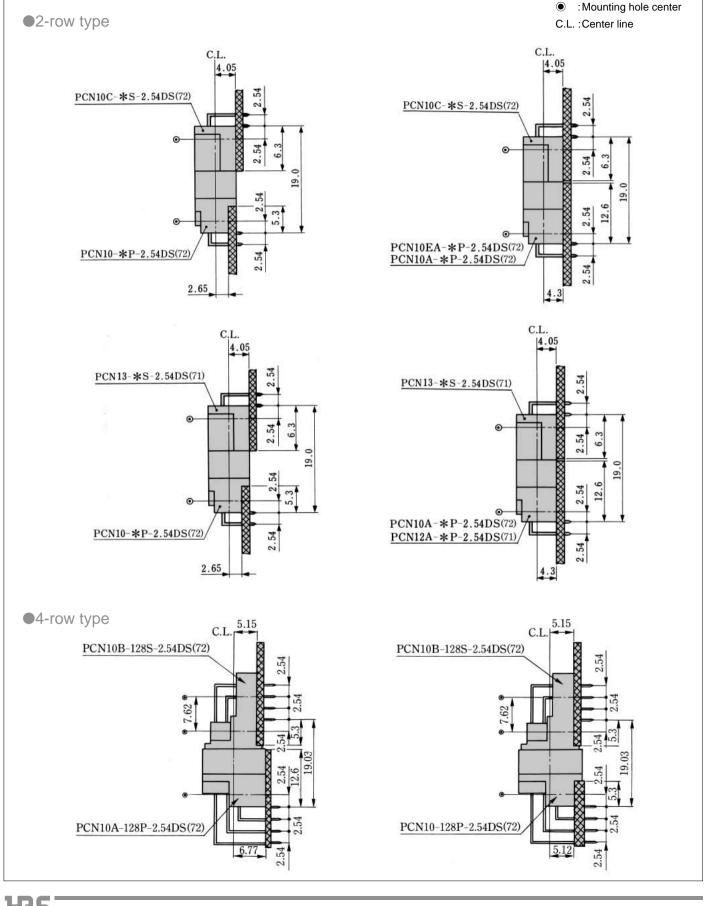
The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hiro**se calls see Plats see**



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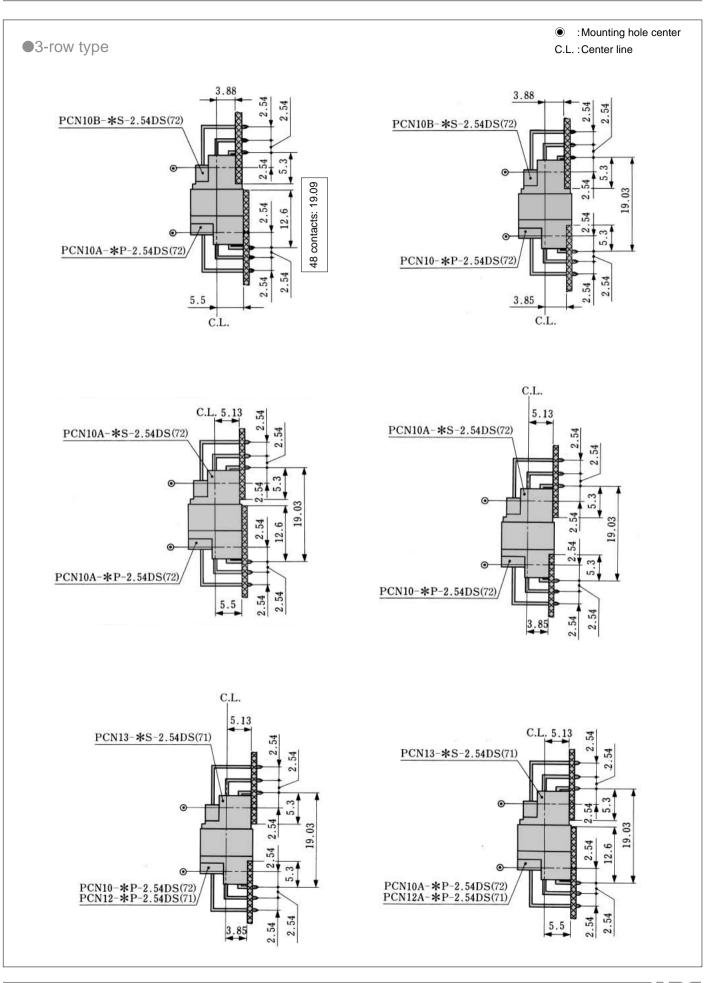
Application Pattern

Horizontal Connection



A52 **HS**

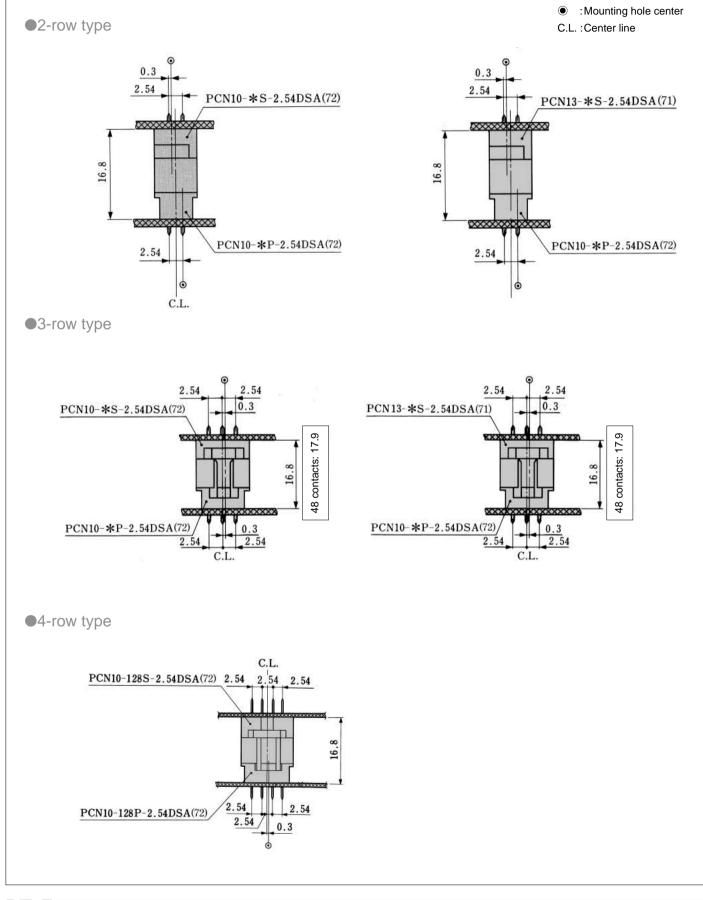
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Application Pattern

Horizontal Connection



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