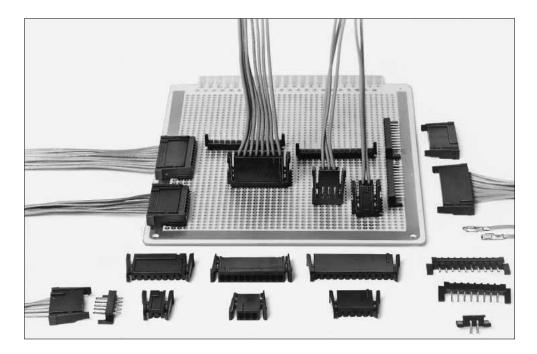
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2.5mm Pitch Connector for Discrete Wire Connection

HNC Series



■Features

1. Full Lock Mechanism

The connector is equipped with the full lock mechanism so as not be removed, unless locks are reset on both sides. This mechanism is activated effectively to prevent extraction by cable hooking or other causes.

2. Thin Type Connector

Mounting height when the connector is used at the right angle : 4.8mm

3. Mechanism to Prevent Mis-insertion

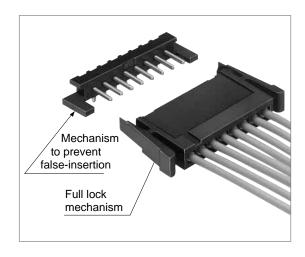
This thin type connector is equipped with the mechanism to prevent misinsertion.

4. Tin Plating and Gold Plating Variation

Two kinds of tin plating and gold plating types are available, and can be chosen according to application. The tin plating is also set to a light operating touch.

■Applications

Various business equipment, financial terminals



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-Roh**hnduse heading heading the Roh** search at www.hirose-connectors.com, or contact your Hirose sales representative.

■Product Specifications

Doting	Current rating	AWG 22 : 3A AWG 24 : 3A AWG 26 : 2A	Operating Temperature Range Operating Moisture Range	-25 to +85°C (Note2) 40 to 80%
Rating	Rating (Note1)	AWG 28:1A	Storage Temperature Range	-10 to +60°C (Note3)
		AWG 30:0.5A	Storage Moisture Range	40 to 70% (Note3)
	Voltage rating	250V AC	Storage Moisture Range	40 10 70% (1000)

Item	Specification	Condition		
1. Insulation Resistance	1000M ohms min.	500V DC		
2. Withstanding voltage	No flashover or insulation breakdown.	1000V AC/1 minute		
3. Contact Resistance	10m ohms Max	1A		
4. Insertor/Extraction Force	0.4N (40gf) min.,4.4N (450gf) max.	Measure at the square steel pin of 0.635±0.002mm		
5. Vibration	No electrical discontinuity of 1 μ s or more	Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions		
6. Humidity (Steady state)	Contact resistance: 10m ohms max.Insulation resistance: 1000M ohms min.	. 96 hours at temperature of 40±2°C and humidity of 90% to 95%		
7. Towns a roture Ovole	Contact resistance: 10m ohms max:Insulation resistance: 1000M ohms min.	(-25°C: 30 minutes → 5 to 35°C: 10 minutes		
7. Temperature Cycle	Contact resistance: Tom onms max.insulation resistance: Tooolwi onms min.	85°C: 30 minutes → 5 to 35°C: 10 minutes) 5 cycles		
C. Durchility (Matings) up matings)	Contact resistance: 20m above may	Tin plating : 30 cycles		
8. Durability (Mating/un-mating)	Contact resistance: 20m ohms max.	Gold plating : 50 cycles		
O. Decistores to Coldering heat	No defermation of common auto off ation, particular	Flow: 250℃ for 5 seconds		
Resistance to Soldering heat	No deformation of components affecting performance.	Manual soldering: 300℃ for 2 seconds		

Note 1: The rated current will be changed according to cable sizes for use. The header rating only t is 3A.

■ Material

Product	Part	Material	Finish	Remarks
Crimping Socket	Insulator	Polyamide	Black	UL94V-2
Contact	Contact	Phosphor Bronze	Tin plated or gold plated	
Pin Header	Insulator	Polyamide	Black	UL94V-2
Ріп пеацеі	Contact	Brass	Tin plated or gold plated	

■Ordering Information

Crimping Plug

Series Name	: HNC	S Number of Contacts: 2 to 8,10,12,15
2 Series No.	: 2, 1	6 Contact Type
3 Contact Pitch	: 2.5mm	None: Crimping socket
4 Connector Type		DS : Straight
S : Socket		DSL : Right angle
P : Pin Header		

●Contact

HNC -
$$\frac{2.5S}{\bullet}$$
 - $\frac{C}{\varnothing}$ - $\frac{A}{\odot}$

Type: 2.5mm pitch socket	Applicable cable size
Packaging Type	A : AWG22 to 26
C : Reel	B : AWG26 to 30
D : Bag	

Note 2: Includes temperature rise caused by current flow.

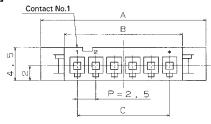
Note 3: The term "storage" refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non conducting condition of installed connectors in storage, shipment or during transportation.

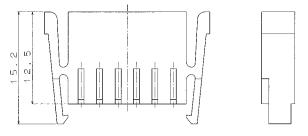
Note 4: Information contained in this catalog represents general requirements for this Series. Contact us for the drawings and specifications for a specific part number shown.

■Crimping Socket

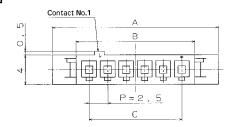


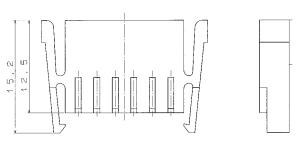
[Figure 1]





[Figure 2]





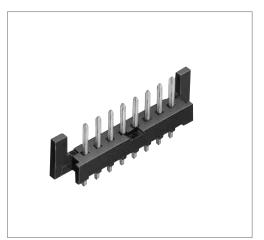
Unit: mm

Part Number	CL No.	Number of Contacts	Α	В	С	Dimensions	RoHS
HNC2-2.5S- 2	218-0011-1	2	12.4	6	2.5		
HNC2-2.5S- 3	218-0022-8	3	14.9	8.5	5		
HNC2-2.5S- 4	218-0039-0	4	17.4	11	7.5		Yes
HNC2-2.5S- 5	218-0027-1	5	19.9	13.5	10	Figure 4	
HNC2-2.5S- 6	218-0042-5	6	22.4	16	12.5	Figure 1	
HNC2-2.5S- 7	218-0030-6	7	24.9	18.5	15		
HNC2-2.5S- 8	218-0014-0	8	27.4	21	17.5		
HNC2-2.5S-10	218-0017-8	10	32.4	26	22.5		
HNC1-2.5S-12	218-0008-7	12	37	31	27.5	Figure 2	
HNC2-2.5S-15	218-0045-3	15	44.9	38.5	35	Figure 1	

Note1: Please order a quantity multiplied by 100 pcs. (Not per bag, but per pcs.)

Note2: The series name of 12 contacts connector is HNC1, and partially will be changed in the style.

■Straight Pin Header

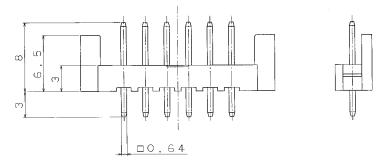


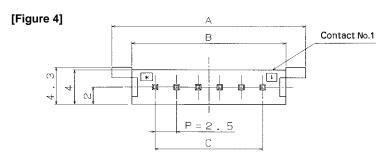
●Board Through-hole Diameter: ø1.1^{+0.1}

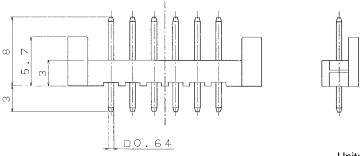
[Figure 3]

B

Contact No.1







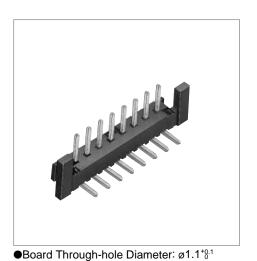
Unit: mm

Part Number	CL No.	Number of Contacts	Α	В	С	Specif	ic No.	Dimensions	RoHS
Part Number	CL NO.	Number of Contacts	A	В	C	Tin plating	Gold plating	Dimensions	KOHS
HNC2-2.5P- 2DS(**)	218-0012-4-**	2	12.5	7.8	2.5	55	02		
HNC2-2.5P- 3DS(**)	218-0023-0-**	3	15	10.4	5	55	02		
HNC2-2.5P- 4DS(**)	218-0040-0-**	4	17.5	12.9	7.5	55	01		
HNC2-2.5P- 5DS(**)	218-0028-4-**	5	20	15.4	10	55	02	Figure 2	
HNC2-2.5P- 6DS(**)	218-0043-8-**	6	22.5	17.9	12.5	55	01	Figure 3	Yes
HNC2-2.5P- 7DS(**)	218-0031-9-**	7	25	20.4	15	55	02		res
HNC2-2.5P- 8DS(**)	218-0015-2-**	8	27.5	22.8	17.5	55	02		
HNC2-2.5P-10DS(**)	218-0018-0-**	10	32.5	27.8	22.5	55	02		
HNC1-2.5P-12DS(**)	218-0009-0-**	12	35.5	32.8	27.5	55	02	Figure 4	
HNC2-2.5P-15DS(**)	218-0046-6-**	15	45	40.4	35	55	01	Figure 3	

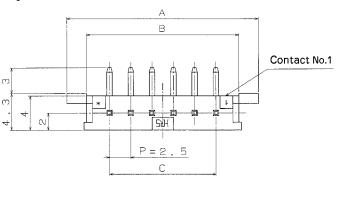
Note1: Please order a quantity multiplied by 100 pcs. (Not per bag, but per piece)

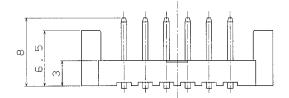
Note2: The series name of the 12 contacts connector is HNC1 and the style will be partially changed.

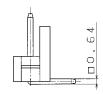
■Right Angle Pin Header



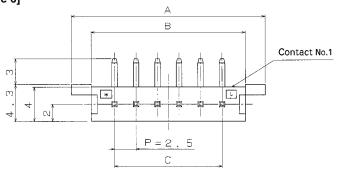
[Figure 5]

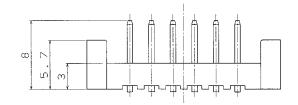


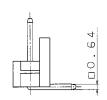




[Figure 6]







Unit: mm

Dort Number	CL No.	Number of Contacts	of Contacts A		_	Specif	ic No.	Dimensions	Dalle
Part Number	Part Number CL No. Number of Contacts A B C		Tin plating	Gold plating	Dimensions	RoHS			
HNC2-2.5P- 2DSL(**)	218-0013-7-**	2	12.5	7.8	2.5	55	02		
HNC2-2.5P- 3DSL(**)	218-0024-3-**	3	15	10.4	5	55	02		
HNC2-2.5P- 4DSL(**)	218-0041-2-**	4	17.5	12.9	7.5	55	01		
HNC2-2.5P- 5DSL(**)	218-0029-7-**	5	20	15.4	10	55	02	Figure 5	
HNC2-2.5P- 6DSL(**)	218-0044-0-**	6	22.5	17.9	12.5	55	01	Figure 5	Vas
HNC2-2.5P- 7DSL(**)	218-0032-1-**	7	25	20.4	15	55	02		Yes
HNC2-2.5P- 8DSL(**)	218-0016-5-**	8	27.5	22.8	17.5	55	02		
HNC2-2.5P-10DSL(**)	218-0019-3-**	10	32.5	27.8	22.5	55	02		
HNC1-2.5P-12DSL(**)	218-0010-9-**	12	35.5	32.8	27.5	55	02	Figure 6	
HNC2-2.5P-15DSL(**)	218-0047-9-**	15	45	40.4	35	55	01	Figure 5	

Note1: Please order a quantity multiplied by 100 pcs. (Not per bag, but per piece)

Note2: The series name of the 12 contacts connector is HNC1 and the style will be partially changed.

■Crimping Contact for Socket

10.7

● Applicable Cable (Tin Plated Annealing Copper Wire)

Conductor Size (Contact wire construction)	Jacket Diameter	
AWG 22 (17pieces/0.16mm)		
AWG 24 (11pieces/0.16mm)	<i>φ</i> 1.35 to <i>φ</i> 1.7mm	
AWG 26 (7pieces/0.16mm)		
AWG 28 (7pieces/0.127mm)	11 0 to 11 25mm	
AWG 30 (7pieces/0.1mm)	φ1.0 to φ1.35mm	

Note: If other cables are used instead of the applicable cable, please contact Hirose sales department.

●Recommended Cable UL1061, UL1007

●Strip Length 2.8 to 3.3mm

Unit:	mm

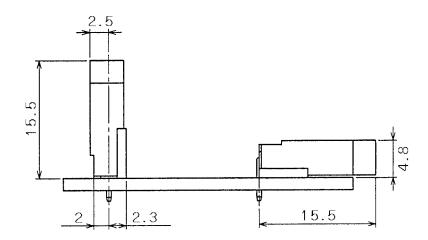
Part Number	CL No.	Conductor	Jacket	٨	В	Packaging	Quantity	Specific No.		RoHS
Part Number	CL NO.	Size	Diameter	Diameter A		Type	Quantity	Tin plating	Gold plating	
HNC-2.5S-D-A(**)	218-0037-5-**	AVA/C 22 to 26	41 25 to 1 7mm	1.8	2.6	Bag	100			
HNC-2.5S-C-A(**)	218-0021-5-**	AWG 22 10 20	φ1.35 to 1.7mm	1.8	2.6	Reel	10,000	45	00	Vaa
HNC-2.5S-D-B(**)	218-0038-8-**	AVA/C 200 to 200	14 0 to 4 25 mm	1.5	1.7	Bag	100	15	02	Yes
HNC-2.5S-C-B(**)	218-0020-2-**	AVVG 26 10 30	φ1.0 to 1.35mm	1.5	1.7	Reel	10,000			

■Applicable Crimping Tool

Туре	Part Number	CL No.	Applicable Contact
Applicator	AP105-HNC	901-4502-0	HNC-2.5S-C-A(**)/HNC-2.5S-C-B(**)
Press Main Unit	CM105	901-0005-4	
Manual Crimping Tool	TC-HNC-B	250-0005-7	HNC-2.5S-D-B(**)
Manual Crimping Tool	TC-HNC-A	250-0006-0	HNC-2.5S-D-A(**)
Extraction Tool	DF1-C-PO	550-0177-7	HNC-2.5S-C-A/HNC-2.5S-C-B(**)

Note: If a trouble has occurred due to tools which are not designated by Hirose, Hirose won't guarantee any product.

■Application Pattern



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 Hinnewshifted 12:55 that products from the product of the produ

●Precautions

1. Recommended Soldering Condition	Flow: 250℃ for 5 seconds
	Manual soldering: 300℃ for 2 seconds
2. Cleaning Condition	Refer to Nylon Connector Use Hand book.
3. Connection Condition	Refer to Nylon Connector Use Hand book.