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. 连接器网一一汇勤电子旗下网站,一站解决电气信号连接问题 http://www.Ljqw.top/ TEL:400-022-7728

Ribbon Cable Connector

HIF4 Series



Features

1. Current Capacity

The HIF4 series connector is capable of 3 A current capacity used for wider applications, while the HIF3 series uses 1 A capacity.

2. Full Lock Mechanism

This connector is equipped with a Hirose original locking mechanism, and guarantees excellent reliability for vibration and shock.

3. One-touch Insertion and Extraction Mechanism

This connector is equipped with levers for automatic insertion and extraction, as soon as lock is reset. Insertion and extraction tools are not required.

4. Applicable Cable

The applicable cable is UL2651 AWG#24 flat cable (7 cores./0.203mm, jacket dia :1.0 to 1.2mm).

Applications

Computers, terminal equipment, various kinds of electronic equipment, and office automation machines

Product Specifications

Rating	Current rating : 3A	Operating Temperature Range $:-55 \text{ to }+85 \ensuremath{^\circ}\ensuremath{\circ}\ensuremath{^\circ}\ensuremath{^\circ}\ensur$	Storage Temperature Range : -10 to +60°C (Note 2)
	Voltage rating : 300V AC	Operating Moisture Range : 40 to 80%	Storage Humidity Range : 40 to 70% (Note 2)

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	15m ohms max	0.1A
4. Vibration	No electrical discontinuity of 1μ 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: 1000M ohms min.	96 hours at temperature of 40 $^\circ C$ and humidity of 90% to 95%
6 Tomporatura Ovala	No domogo, orosko, or porto locoopoco	(-65 °C: 30 minutes → 15 to 35 °C: 5 minutes max.
6. Temperature Cycle	No damage, cracks, or parts looseness.	125°C: 30 minutes → 15 to 35°C: 5 minutes max.) 5 cycles
7. Operating Life	Contact resistance: 15m ohms max.	500 cycles
9 Desistance to Soldering heat	No deformation of companyon officiating performance	Solder bath: 260°C for 10 seconds
8. Resistance to Soldering heat	15m ohms maxNo electrical discontinuity of 1μs or moreInsulation resistance: 1000M ohms min.No damage, cracks, or parts looseness.	Manual soldering: 360°C for 5 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.

Note 4: Please note that there is a risk of deforming the lock when an excessive load is applied to the inside.

■Material

Part		Material	Finish	Remarks	
Insulator		PBT	Black	UL94V-0	
Contact	Socket Beryllium copper		Gold plated over nickel underplating		
Contact	Pin header	Phosphor bronze	Gold plated over nickel underplating		

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 **Americ Scripts Preference** only. The products status on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** only. The products status on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **Americ Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at www.hirose **America Scripts Preference** on the Hirose website RoHS search at website RoHS searc

Ordering Information

Pin Header

HIF4	-	*	Ρ	-	3.18	DS
0		2	8		4	6

Series Name	: HIF4			
Number of Contacts	: 16, 20, 26, 34, 40			
Contact alignment	: P : Pin header			
Contact Pitch	: 3.18mm			
Contact Type				
DS : Right a	angle type			
SA : Straight dip type				
W : Wrapp	ing type			

Socket

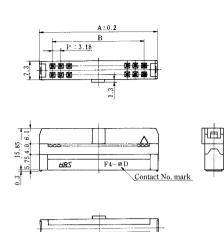
HIF4 - * D	- <u>3.18</u> R
0 0 0	4 5
Series Name	: HIF4
Number of Contacts	: 16, 20, 26, 34, 40
Contact alignment	: D : Double
Contact Pitch	: 3.18mm
Connection type	: Ribbon cable



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, produces, have perdicrontinged new the discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative. 连接器网一门到电子旗下网站,一站解决电气信号连接问题 http://www.Ljqw.top/ TEL: 400-022-7728

Socket

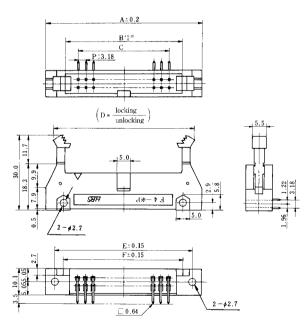




						Unitimm
Part Number	CL No.	Number of Contacts	А	В	С	RoHS
HIF4-16D-3.18R	563-0025-5	16	31.98	22.26	26.28	
HIF4-20D-3.18R	563-0010-8	20	38.34	28.62	32.64	
HIF4-26D-3.18R	563-0011-0	26	47.88	38.16	42.18	YES
HIF4-34D-3.18R	563-0012-3	34	60.6	50.88	54.9	
HIF4-40D-3.18R	563-0029-6	40	70.14	60.42	64.44	

Pin Header Right Angle Type





	nit:mm
U	

Part Number	CL No.	Number of Contacts	А	В	С	D	E	F	RoHS
HIF4-16P-3.18DS	563-0026-8	16	46.68	32.18	22.26	42.82 63.28	39.98	33.58	
HIF4-20P-3.18DS	563-0001-7	20	53.04	38.54	28.62	<u>49.18</u> 69.64	46.34	39.94	
HIF4-26P-3.18DS	563-0002-0	26	62.58	48.08	38.16	<u>58.72</u> 79.18	55.88	49.48	YES
HIF4-34P-3.18DS	563-0003-2	34	75.3	60.8	50.88	<u>71.44</u> 91.90	68.6	62.2	
HIF4-40P-3.18DS	563-0030-5	40	84.84	70.34	60.42	<u>80.89</u> 101.44	78.14	71.74	

-汇勤电子旗下网站,一站解决电气信号连接问题

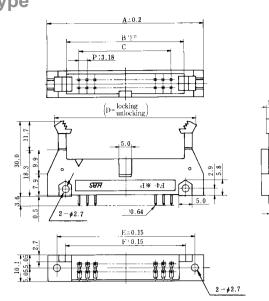
HS

<u>B4</u>

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 **mere Series ereflectory** Chippe constructions. 连接器网——汇勤电子旗下网站,一站解决电气信号连接问题 http://www.Ljqw.top/

Pin Header Straight Through hole Type





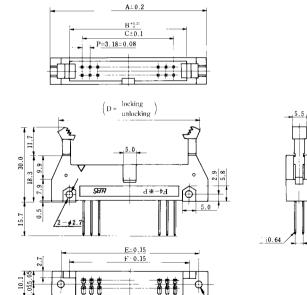
Unit:mm

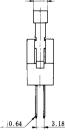
3.18

Part Number	CL No.	Number of Contacts	А	В	С	D	E	F	RoHS
HIF4-16P-3.18DSA	563-0027-0	16	46.68	32.18	22.26	<u>42.82</u> 63.28	39.98	33.58	
HIF4-20P-3.18DSA	563-0004-5	20	53.04	38.54	28.62	<u>49.18</u> 69.64	46.34	39.94	
HIF4-26P-3.18DSA	563-0005-8	26	62.58	48.08	38.16	<u>58.72</u> 79.18	55.88	49.48	YES
HIF4-34P-3.18DSA	563-0006-0	34	75.3	60.8	50.88	71.44 91.90	68.6	62.2	
HIF4-40P-3.18DSA	563-0031-8	40	84.84	70.34	60.42	80.98 101.44	78.14	71.74	

Pin Header Wrapping Type







 $2 - \phi 2.7$

Unit:mm

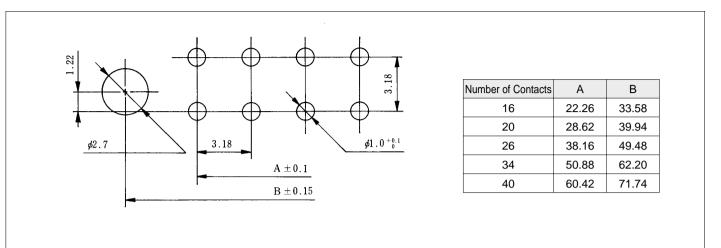
Part Number	CL No.	Number of Contacts	А	В	С	D	E	F	RoHS
HIF4-16P-3.18W	563-0028-3	16	46.68	32.18	22.26	42.82 63.28	39.98	33.58	
HIF4-20P-3.18W	563-0007-3	20	53.04	38.54	28.62	<u>49.18</u> 69.64	46.34	39.94	
HIF4-26P-3.18W	563-0008-6	26	62.58	48.04	38.16	<u>58.72</u> 79.18	55.88	49.48	YES
HIF4-34P-3.18W	563-0009-9	34	75.3	60.8	50.88	71.44 91.90	68.6	62.2	
HIF4-40P-3.18W	563-0032-0	40	84.84	70.34	60.42	<u>80.98</u> 101.44	78.14	71.74	



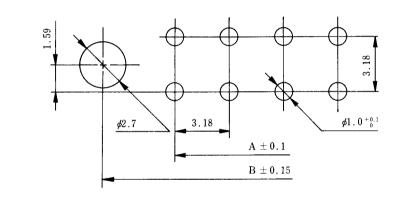
The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-Roh new berdirective and the discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative. 连接諸网 1111年上旗下网站,一站解决电气信号连接问题 http://www.Ljqw.top/ TEL: 400-022-7728

● PCB mounting pattern

•Pin Header Right Angle Type

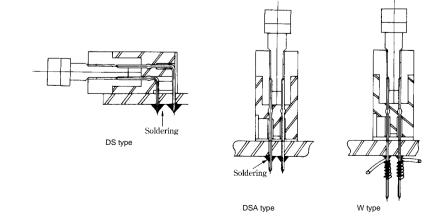


•Pin Header Straight Through hole Type or Pin Header Wrapping Type

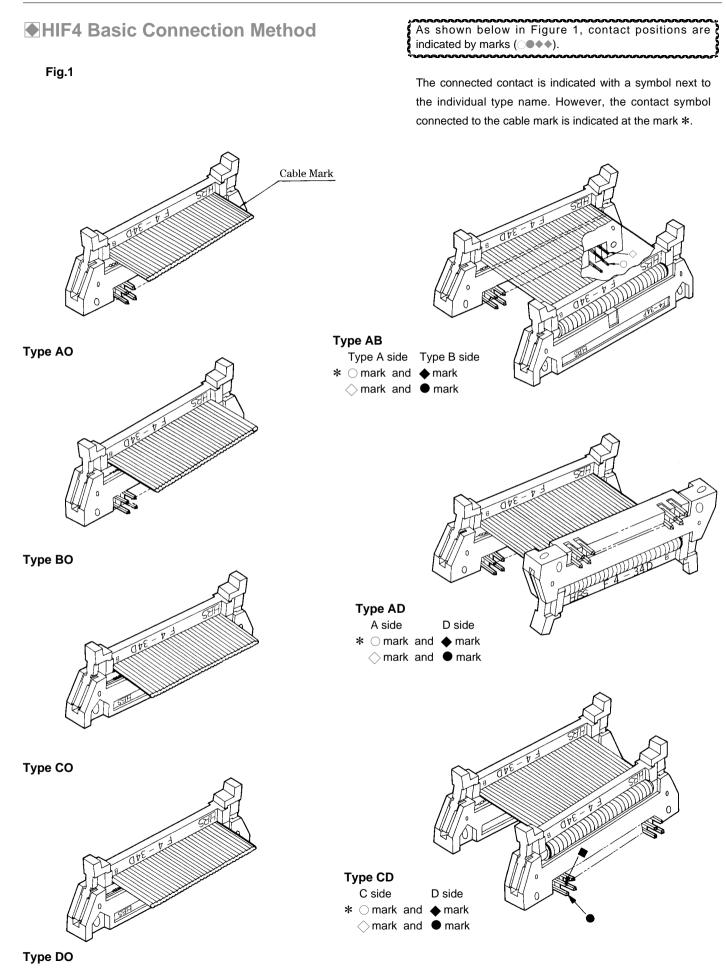


Number of Contacts	А	В
16	22.26	39.98
20	28.62	46.34
26	38.16	55.88
34	50.88	68.60
40	60.42	78.14

•Type Shape

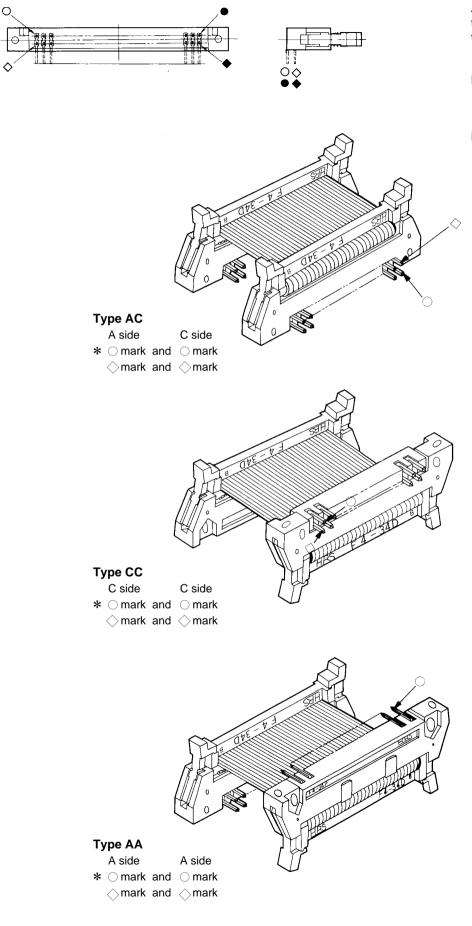


The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information. All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose **mere Series ereflectory** Chippe constructions. 连接器网——汇勤电子旗下网站,一站解决电气信号连接问题 http://www.Ljqw.top/





Contact positions are designated with marks as shown below.



勤电子旗下网站,一站解决电气信号连接问题

http://www.Ljqw.top/

According to the illustration on the left, the illustration 1 indicates these positions on the right.

Note 1: Cable length tolerance 500 +10, 0 max. (mm) 500 +3%, 0% min. Note 2.When a twist cable or a slit (like a roller screen) cable is used, the cable pitch will change according to cable manufacturers. If connection failure has occurred, consult HRS Sales Department.