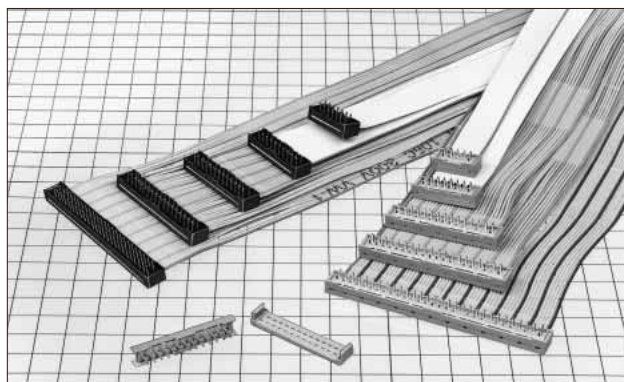


2.54mm Connectors Directly Mounted on Board

HIF2E Series



■ Features

1. Directly Mounted on Board

This connector can be directly mounted on the board using the 1.27mm pitch flat cable.

2. Variation in Number of Contacts

10, 14, 16, 20, 26, 30, 34, 40, 50, and 60 contacts, are available

3. Applicable Cable

The applicable cable is UL2651 28 AWG flat cable (7 cores/0.127mm, jacket dia. : 0.8 to 1.0mm).

■ Product Specifications

Rating	Current rating : 1A	Operating Temperature Range : -55 to +85°C (Note 1)	Storage Temperature Range : -10 to +60°C (Note 2)
	Voltage rating : 200V AC	Operating Moisture Range : 40 to 80%	Storage Humidity Range : 40 to 70% (Note 2)

Item	Specification	Condition
1. Insulation Resistance	1000MΩ min	500V DC
2. Withstanding voltage	No flashover or insulation breakdown.	650V AC/1 minute
3. Contact Resistance	15mΩ max	0.1A
4. Vibration	No electrical discontinuity of 1μs 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 : 1000MΩ 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. Resistance to Soldering heat	No deformation of components affecting performance.	Solder bath : 260°C for 10 seconds
		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.

■ Materials / Finish

Part	Material	Finish		Remarks
Insulator	PBT	Black Gray	HIF2E-*D-2.54R B HIF2E-*D-2.54R A	UL94V-0
Contact	Copper alloy	Gold plated over nickel underplated		—

■ Product Number Structure

Refer to the chart below when determining the product specifications from the product number.

Please select from the product numbers listed in this catalog when placing orders.

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

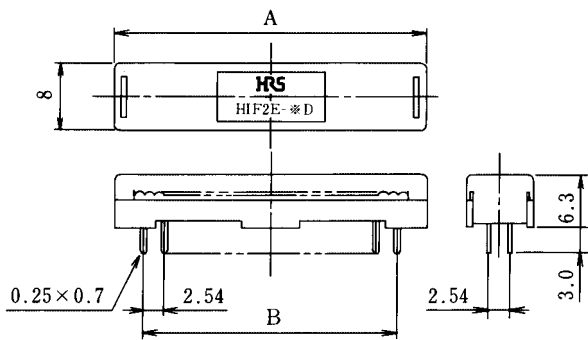
Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://hirose.nt-rt.ru/> || hes@nt-rt.ru

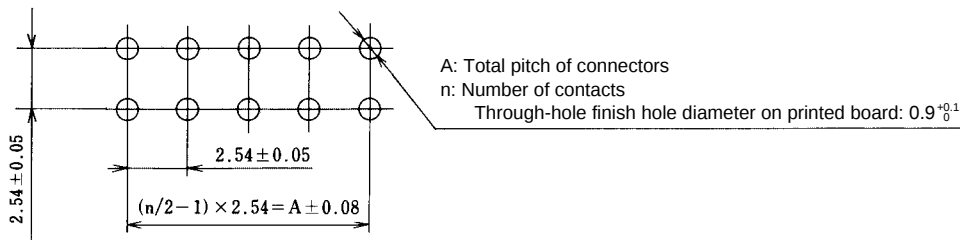
■Combination Pattern



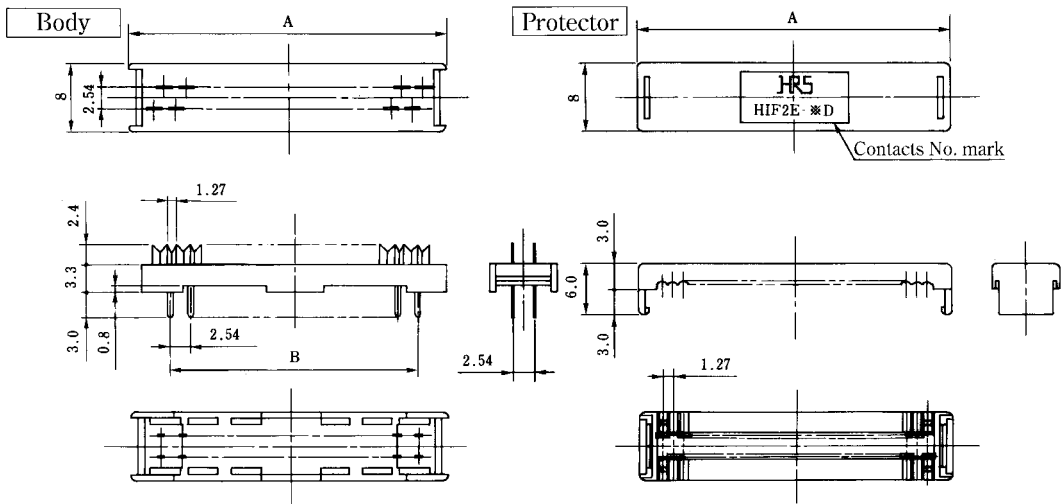
Unit : mm

	10 contacts	14 contacts	16 contacts	20 contacts	26 contacts	30 contacts	34 contacts	40 contacts	50 contacts	60 contacts
A	17.17	22.25	24.79	29.87	37.49	42.57	47.65	55.27	67.97	80.67
B	10.16	15.24	17.78	22.86	30.48	35.56	40.64	48.26	60.96	73.66

◆PCB mounting pattern



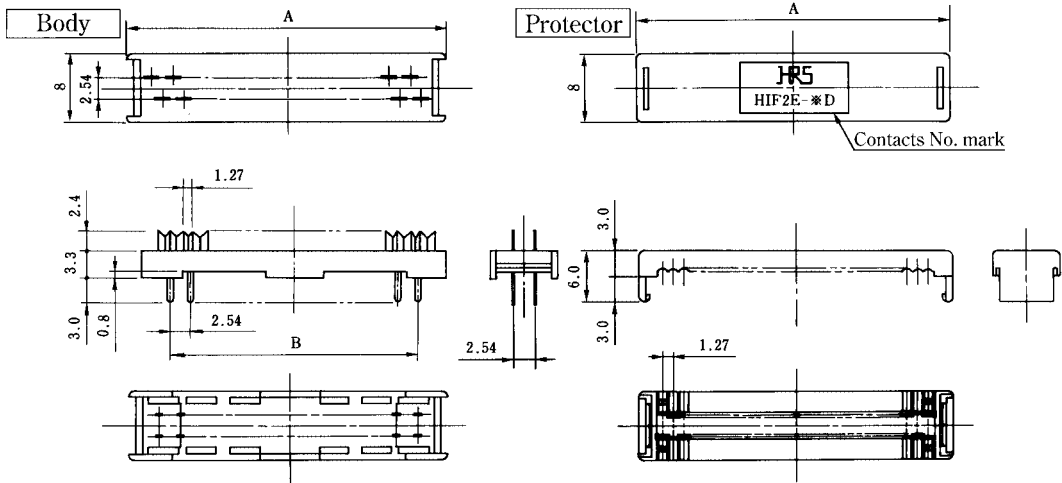
■Universal Circuit Type (Mold color: black)



Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF2E-10D-2.54RB(20)	561-0601-1 20	10	17.17	10.16	YES
HIF2E-14D-2.54RB(20)	561-0602-4 20	14	22.25	15.24	
HIF2E-16D-2.54RB(20)	561-0603-7 20	16	24.79	17.78	
HIF2E-20D-2.54RB(20)	561-0604-0 20	20	29.87	22.86	
HIF2E-26D-2.54RB(20)	561-0605-2 20	26	37.49	30.48	
HIF2E-30D-2.54RB(20)	561-0606-5 20	30	42.57	35.56	
HIF2E-34D-2.54RB(20)	561-0607-8 20	34	47.65	40.64	
HIF2E-40D-2.54RB(20)	561-0608-0 20	40	55.27	48.26	
HIF2E-50D-2.54RB(20)	561-0609-3 20	50	67.97	60.96	
HIF2E-60D-2.54RB(20)	561-0610-2 20	60	80.67	73.66	

■Hirose Original Circuit Type (Mold color: gray)

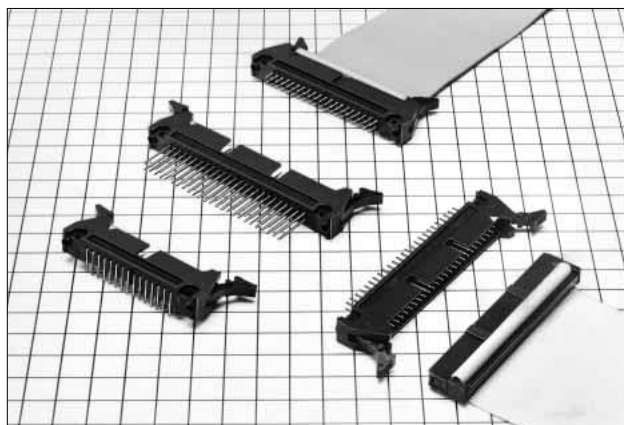


Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF2E-10D-2.54RA(20)	561-0501-7 20	10	17.17	10.16	YES
HIF2E-14D-2.54RA(20)	561-0502-0 20	14	22.25	15.24	
HIF2E-16D-2.54RA(20)	561-0503-2 20	16	24.79	17.78	
HIF2E-20D-2.54RA(20)	561-0504-5 20	20	29.87	22.86	
HIF2E-26D-2.54RA(20)	561-0505-8 20	26	37.49	30.48	
HIF2E-30D-2.54RA(20)	561-0506-0 20	30	42.57	35.56	
HIF2E-34D-2.54RA(20)	561-0507-3 20	34	47.65	40.64	
HIF2E-40D-2.54RA(20)	561-0508-6 20	40	55.27	48.26	
HIF2E-50D-2.54RA(20)	561-0509-9 20	50	67.97	60.96	
HIF2E-60D-2.54RA(20)	561-0510-8 20	60	80.67	73.66	

High Performance Ribbon Cable Connector

HIF3A Series



■Features

1. Two-Point Contact Structure

This connector is designed in the two-point contact structure with high reliability.

2. Compatibility with HIF3 Series

This connector is compatible with HIF3B series products compliant with MIL standard and other HIF series headers.(Except HIF3B-60 pos.)

3. Applicable Cable AWG#28

The applicable cable is UL2651 AWG#28 flat cable (7 cores./0.127mm, jacket dia 0.9±0.1mm).

■Applications

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



■Product Specifications

Rating	Current rating : 1A	Operating Temperature Range : -55 to +85°C (Note 1)	Storage Temperature Range : -10 to +60°C (Note 2)
	Voltage rating : 200V 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.	650V AC/1 minute
3. Contact Resistance	15m ohms max	0.1A
4. Vibration	No electrical discontinuity of 1μs 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°C and humidity of 90% to 95%
6. Temperature Cycle	No damage, cracks, or parts looseness.	(-55°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: 15m ohms max.	500 cycles

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

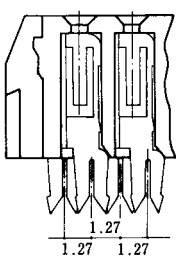
Part	Material	Finish	Remarks
Insulator	PBT	Black	UL94V-0
Contact	Beryllium copper	Gold plated over nickel underplated	—

■Ordering Information

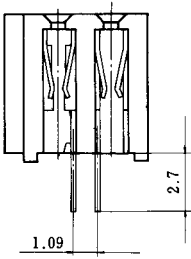
HIF3A - * D - 2.54 R
① ② ③ ④ ⑤

① Series Name : HIF3A	④ Contact Pitch : 2.54mm
② Number of Contacts : 16, 20, 26, 30, 34, 40, 50, 60	⑤ Connection type R : ID type
③ Contact alignment : D : Double	

■Socket Type

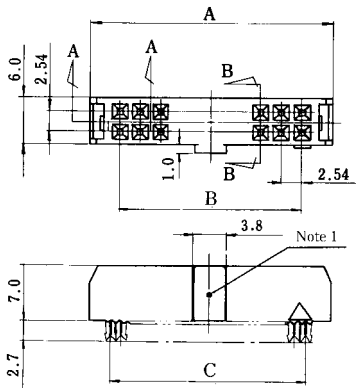


Section A-A

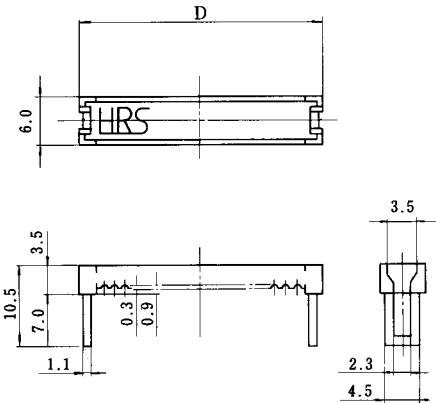


Section B-B

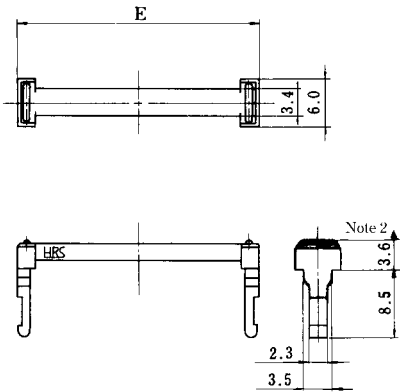
Body



Protector



Clamp

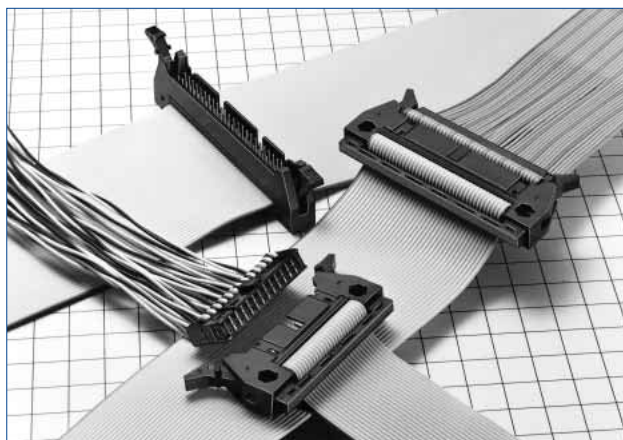


Note1: The 50 contact and 60 contact connectors contain convex area at two points.
Note2: The 60 contact connector indicates 5.6.
The applicable pin header is HIF3BAF type.

Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	RoHS
HIF3A-10D-2.54R	562-0057-5	10	17.27	10.16	11.43	17.27	17.27	YES
HIF3A-16D-2.54R	562-0058-8	16	24.89	17.78	19.05	24.89	24.89	
HIF3A-20D-2.54R	562-0059-0	20	29.97	22.86	24.13	29.97	29.97	
HIF3A-26D-2.54R	562-0060-0	26	37.59	30.48	31.75	37.59	37.59	
HIF3A-30D-2.54R	562-0055-0	30	42.67	35.56	36.83	42.67	42.67	
HIF3A-34D-2.54R	562-0061-2	34	47.75	40.64	41.91	47.75	47.75	
HIF3A-40D-2.54R	562-0062-5	40	55.37	48.26	49.53	55.37	55.37	
HIF3A-50D-2.54R	562-0063-8	50	68.07	60.96	62.23	68.07	68.07	
HIF3A-60D-2.54R	562-0056-2	60	80.77	73.66	74.93	80.77	80.77	

HIF3B In-line Type Ribbon Cable Connector



■Features

1. In-line Type

This connector can be used for internal wiring cable to cable within equipment.

2. Compatibility

This connector is compatible with HIF3A series as well as HIF3B series socket.

3. Applicable Cable

The applicable cable is UL2651 AWG#28 flat cable
(7 pcs./6.127mm, jacket diameter: 0.8 to 1.0mm).

■Product Specifications

Rating	Current rating : 1A	Operating Temperature Range : -55 to +85°C (Note 1)	Storage Temperature Range : -10 to +60°C (Note 2)
	Voltage rating : 200V AC	Operating Moisture Range : 40 to 80%	Storage Humidity Range : 40 to 70% (Note 2)

Item	Specification	Condition
1. Insulation Resistance	1000MΩ min.	500V DC
2. Withstanding voltage	No flashover or insulation breakdown.	650V AC/1 minute
3. Contact Resistance	15mΩ max.	0.1A
4. Vibration	No electrical discontinuity of 1μs or more	Frequency : 10 to 55 Hz, single amplitude of 0.75mm, 2 hours in each of the 3 directions.
5. Humidity (Steady state)	Insulation resistance: 1000MΩ 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 : 15mΩ max.	500 cycles

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 / Finish

Part	Material	Finish	Remarks
Insulator	PBT	Black	UL94V-0
Plug Contact	Beryllium copper	Gold plated over nickel underplated	—

■Product Number Structure

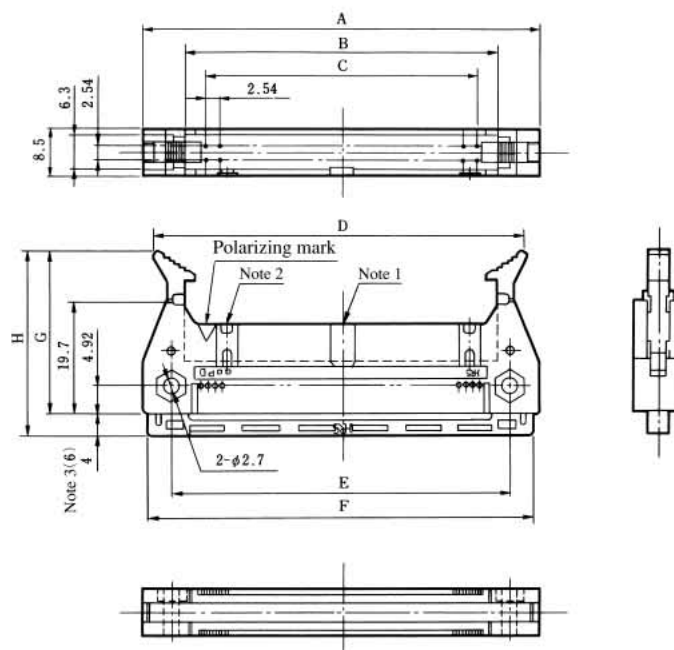
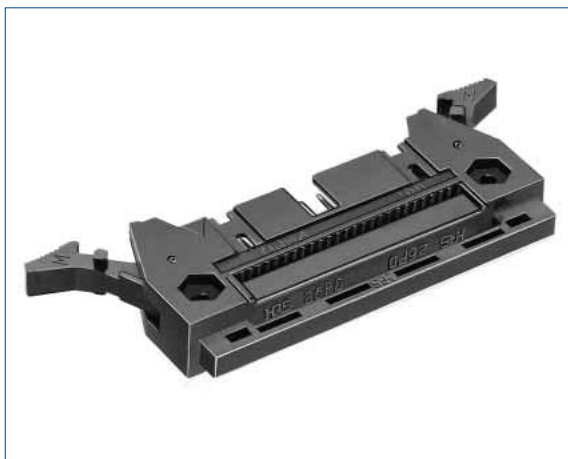
Refer to the chart below when determining the product specifications from the product number.

Please select from the product numbers listed in this catalog when placing orders.

HIF3BA - ***** **P** **D** - **2.54** **R** - **MC**
①
②
③
④
⑤
⑥
⑦

① Series Name	: HIF3BB (50, 60, 64 contacts only)	③ P : Plug
	HIF3BD (10 contacts only)	④ D : contact alignment : D : Double
	HIF3BAE (60 contacts only)	⑤ Contact Pitch : 2.54mm
② Number of Contacts : 10, 16, 20, 26, 30, 34, 40, 50, 60 and 64		⑥ Connection type : Ribbon cable
		⑦ MC : Mold clamp

■ Plug



Note 1, Note 2 : The number of polarizing slot and key installed positions changes according to products.

The 10 contact connector only has no position for polarizing key insulation.

Note 3 : The number indicated in parentheses are sizes for 60 and 64 contact connectors.

Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	G	H	Polarizing slot	RoHS
HIF3BD -10PD-2.54R-MC(63)	611-0031-7 63	10	31.98	17.48	10.16	28.14 MAX51.1	21.88	30.13	29.2	33.2	One at center	YES
HIF3BA -16PD-2.54R-MC(63)	611-0032-0 63	16	39.60	25.10	17.78	35.74 MAX58.7	29.50	37.75				
HIF3BA -20PD-2.54R-MC(63)	611-0033-2 63	20	44.68	30.18	22.86	40.84 MAX63.8	34.58	42.83				
HIF3BA -26PD-2.54R-MC(63)	611-0034-5 63	26	52.30	37.80	30.48	48.44 MAX71.4	42.20	50.45				
HIF3BA -30PD-2.54R-MC(63)	611-0035-8 63	30	57.38	42.88	35.56	53.54 MAX76.5	47.28	55.53				
HIF3BA -34PD-2.54R-MC(63)	611-0036-0 63	34	62.46	47.96	40.64	58.64 MAX81.6	52.36	60.61				
HIF3BA -40PD-2.54R-MC(63)	611-0037-3 63	40	70.08	55.58	48.26	66.24 MAX89.2	59.98	68.23				
HIF3BA -50PD-2.54R-MC(63)	611-0038-6 63	50	82.78	68.28	60.96	78.94 MAX101.9	72.68	80.93			One on right and left sides, resp.	
HIF3BB -50PD-2.54R-MC(63)	611-0041-0 63	50									One at center	
HIF3BA -60PD-2.54R-MC(63)	611-0039-9 63	60	95.48	80.98	73.66	91.64 MAX114.6	85.38	93.63		35.2	One on right and left sides, resp.	
HIF3BB -60PD-2.54R-MC(63)	611-0042-3 63	60									One at center	
HIF3BA -64PD-2.54R-MC(63)	611-0040-8 63	64	100.56	86.06	78.74	96.74 MAX119.7	90.46	98.71	29.2	35.2	One on right and left sides, resp.	
HIF3BB -64PD-2.54R-MC(63)	611-0045-1 63	64									One at center	

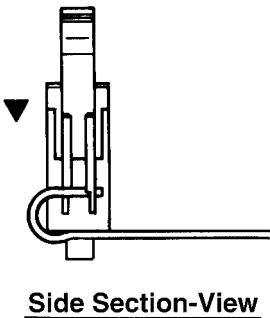
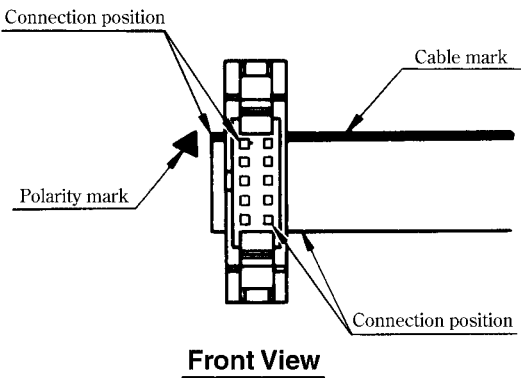
*D size $\frac{\text{locking size}}{\text{unlocking size}}$

◆Connection Procedures

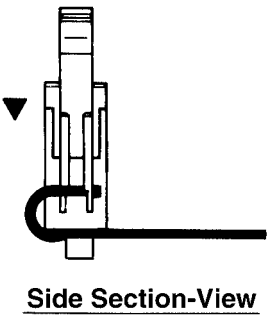
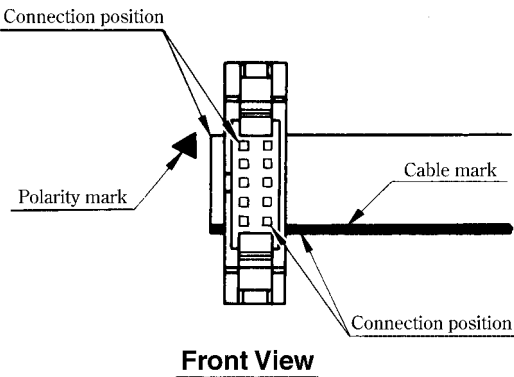
Note1 : Cable length tolerance Less than 500 ⁺¹⁰/₀ (mm)
 More than 500 ⁺³/₀ (mm)

Note2 : When a cable such as 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, please contact Hirose sales.

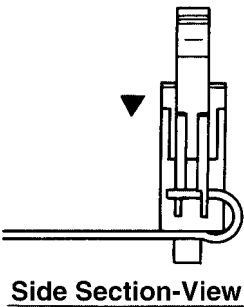
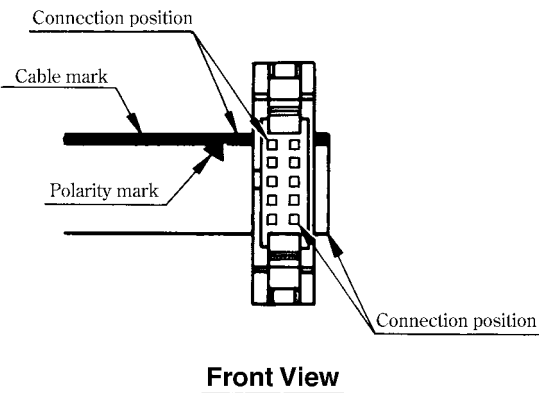
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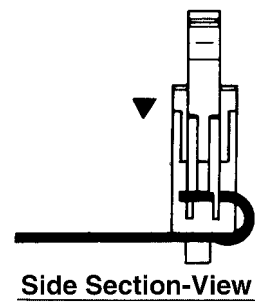
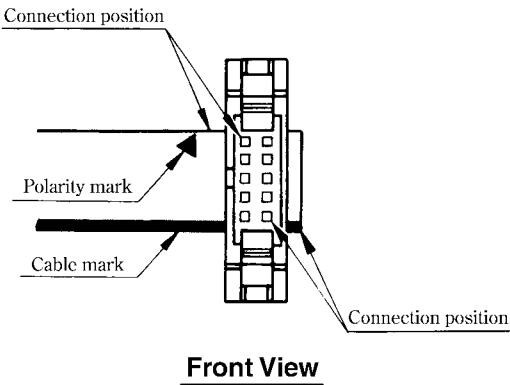
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Type CO

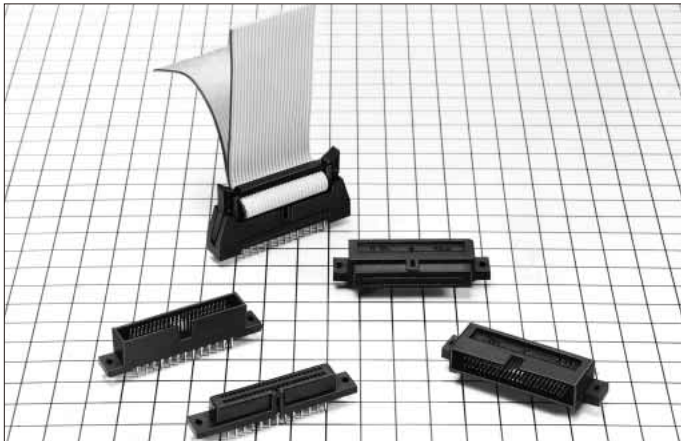


Type DO



1.27mm Pitch Two-Piece Connectors

HIF6 Series



■Features

1. Product Variation

The connection method is available with the board to board type and insulation displacement type.

2. Broad applications

HIF2E, HIF3B and HIF5 can be combined one other, because the 1.27mm pitch flat cable is used. (Fig.1)

3. Applicable Cables

The applicable cable is a (UL2651) 28 AWG flat cable (7cores: 0.127mm, outer jacket diameter: 0.8 to 1.0mm)

4. Mis-insertion Preventive Structure

The mis-insertion preventive guide prevents mis-insertion.

■Product Specifications

Rating	Current rating : 0.5A	Operating Temperature Range : -55 to +85 °C (Note 1)	Storage Temperature Range : -10 to +60°C (Note 2)
	Voltage rating : 125V AC	Operating Humidity Range : 40 to 80%	Operating Humidity Range : 40 to 70% (Note 2)

Item	Specification	Condition
1.Insulation Resistance	1000MΩ min.	250V DC
2.Withstanding Voltage	No flashover or insulation breakdown.	300V AC/1 minute.
3.Contact Resistance	30mΩ max.	0.1A
4.Vibration	No electrical discontinuity of 1μs 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 : 1000MΩ 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 : 30mΩ max.	500 cycles
8.Resistance to Soldering heat	No deformation of components affecting performance.	Solder bath : 260°C for 10 seconds
		Manual soldering : 360°C for 5 seconds

Note 1 : Includes temperature rise caused by current flow.

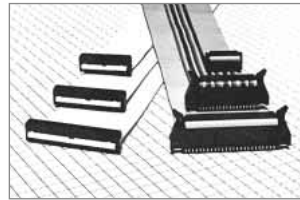
Note 2 : The term "storage" refers to products stored for long period of time prior to mounting and use. Operating Temperature Range and Humidity range covers non conducting condition of installed connectors in storage, shipment or during transportation.

Note 3 : Please note that there is a risk of deforming the lock when an excessive load is applied to the inside.

Connector in combination with the HIF6 series connection type

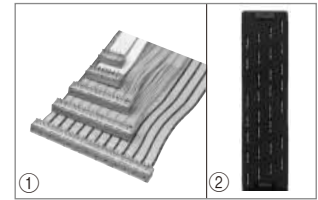
●HIF3B Series

(MIL-C-83503)



●HIF2 Series

(Board direct mount type)



●HIF5 Series

(Card edge type)



●FD Series

(D sub-ribbon connector)

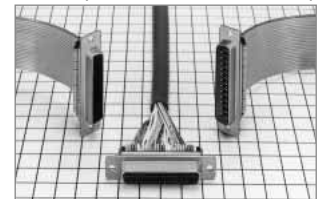


Fig.1 (For further information, refer to catalog page B86.)

Materials / Finish

Parts	Material	Finish	Remarks
Insulator	PBT	Black	UL94V-0
Socket Contact	Copper alloy	Selective gold plating	—————
Pin header Contact	Brass		

Product Number Structure

Refer to the chart below when determining the product specifications from the product number.
Please select from the product numbers listed in this catalog when placing orders.

Socket and Receptacle

HIF6 A - * D A - 1.27 DSA L
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Series Name	: HIF6
② Blank	: Ribbon cable insulation displacement type
A	: Without board mounting hole
B	: With board mounting hole
③ Number of contacts	: 20, 26, 32, 34, 40, 50, 52, 60, 68, 80, 100
④ D	: Socket or receptacle
⑤ A	: Selective gold plated
⑥ Contact pitch	: 1.27mm
⑦ Contact type	: DS : Right angle type DSA : Straight type R : Ribbon cable ID type
⑧ L	: Board pre-fixed lock pin

Pin Header

HIF6 A - * P A - 1.27 DSA L
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

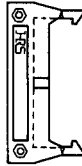
① Series Name	: HIF6
② Blank	: With lock
A	: Without board mounting hole
B	: With board mounting hole
③ Number of contacts	: 20, 26, 32, 34, 40, 50, 52, 60, 68, 80, 100
④ P	: Pin header
⑤ A	: Selective gold plated
⑥ Contact pitch	: 1.27mm
⑦ Contact style	: DS : Right angle type DSA : Straight type
⑧ L	: Board pre-fixed lock pin

Function Chart

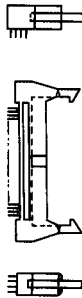
Pin Header

Socket or Receptacle Side

Right Angle
Type with lock



Straight Type
with lock



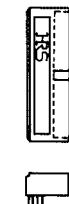
Right Angle
Type with
mounting hole



Straight Type
with mounting
hole



Right Angle
Type without
mounting hole



Straight Type
without
mounting hole



Two pieces of 1.27mm
pitch cable used

→ 2.54 pitch connector
(MIL-C-83503)

HIF2B series
HIF3B series
HIF5 series
Ribbon cable FD
(D sub) connector

Right Angle
Type with
mounting hole



Straight Type
with mounting
hole



Right Angle
Type without
mounting hole



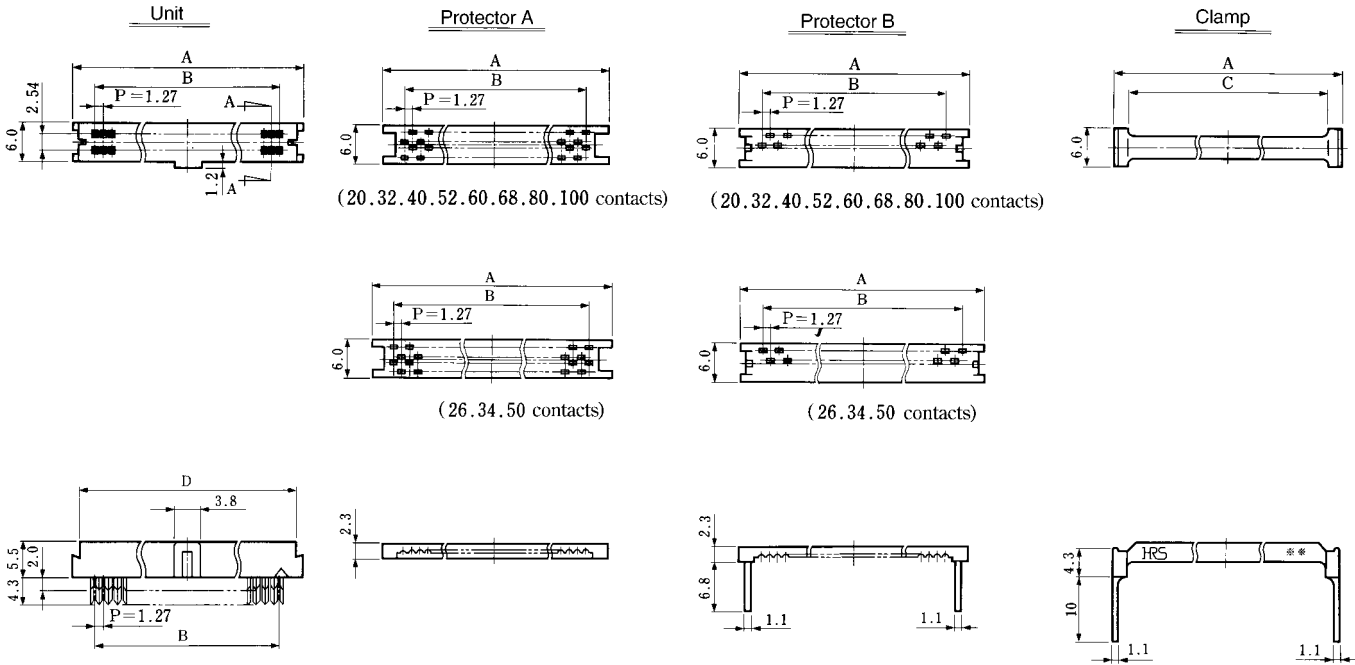
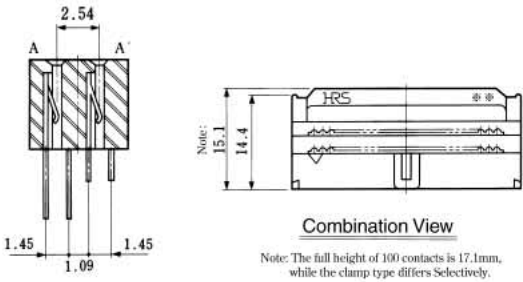
Straight Type
without
mounting hole



Cable ID Connector

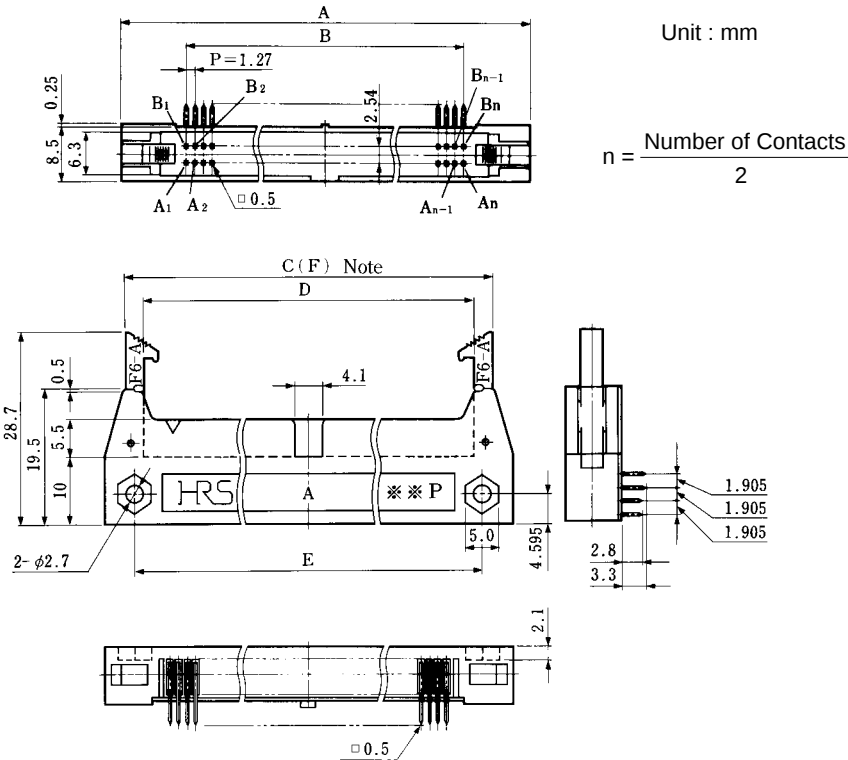


Unit : mm



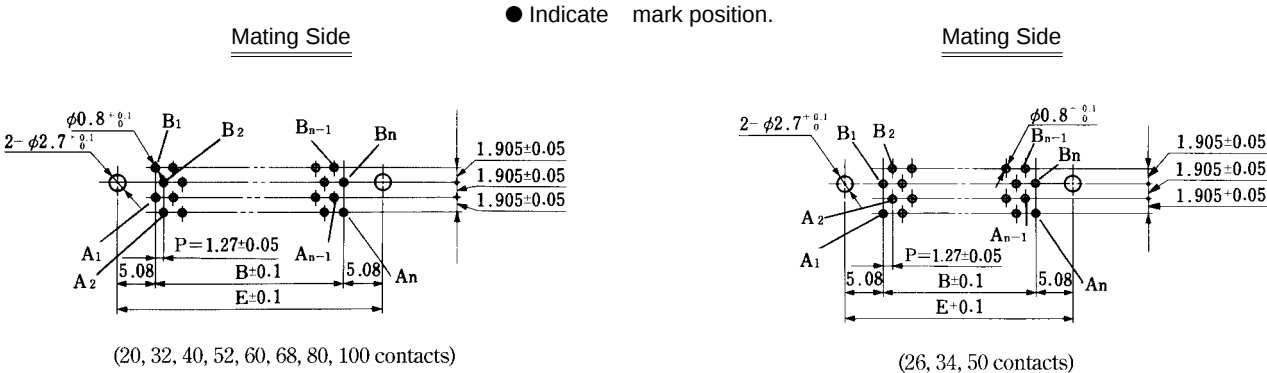
Unit : mm							
Part No.	HRS No.	No. of Contacts	A	B	C	D	RoHS
HIF6- 20D-1.27R(20)	630-0001-4 20	20	18.55	11.43	13.95	16.35	YES
HIF6- 26D-1.27R(20)	630-0002-7 20	26	22.36	15.24	17.76	20.16	
HIF6- 32D-1.27R(20)	630-0003-0 20	32	26.17	19.05	21.57	23.97	
HIF6- 34D-1.27R(20)	630-0004-2 20	34	27.44	20.32	22.84	25.24	
HIF6- 40D-1.27R(20)	630-0005-5 20	40	31.25	24.13	26.65	29.05	
HIF6- 50D-1.27R(20)	630-0006-8 20	50	37.60	30.48	33.00	35.40	
HIF6- 52D-1.27R(20)	630-0007-0 20	52	38.87	31.75	34.27	36.67	
HIF6- 60D-1.27R(20)	630-0008-3 20	60	43.95	36.83	39.35	41.75	
HIF6- 68D-1.27R(20)	630-0009-6 20	68	49.03	41.91	44.43	46.83	
HIF6- 80D-1.27R(20)	630-0010-5 20	80	56.65	49.53	52.05	54.45	
HIF6-100D-1.27R(20)	630-0011-8 20	100	69.35	62.23	64.75	67.15	

■Pin Header Right Angle Type with lock



Note : Size F indicates the state where the lock is open.

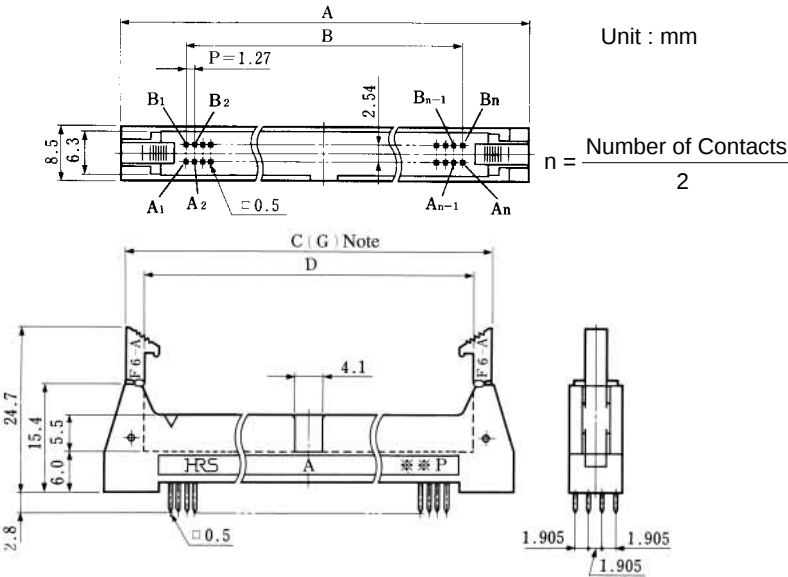
◆PCB mounting pattern



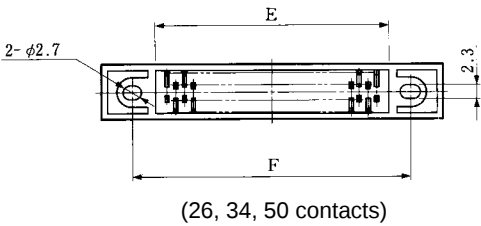
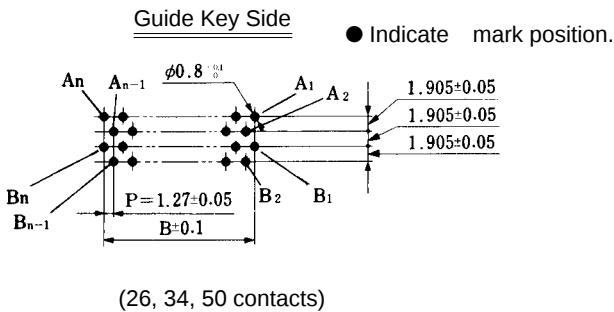
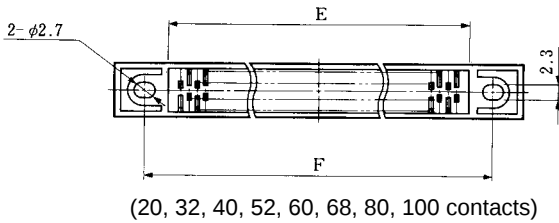
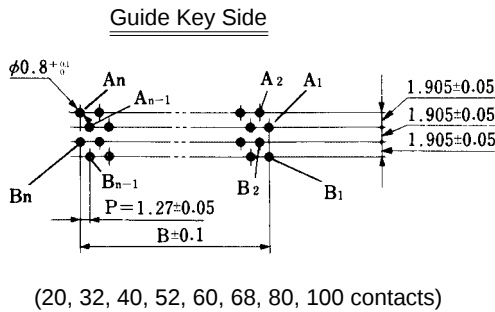
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	RoHS
HIF6- 20PA-1.27DS(71)	630-0051-2 71	20	30.95	11.43	24.55	18.75	21.59	43.55	YES
HIF6- 26PA-1.27DS(71)	630-0052-5 71	26	34.76	15.24	28.36	22.56	25.40	47.36	
HIF6- 32PA-1.27DS(71)	630-0053-8 71	32	38.57	19.05	32.17	26.37	29.21	51.17	
HIF6- 34PA-1.27DS(71)	630-0054-0 71	34	39.84	20.32	33.44	27.64	30.48	52.44	
HIF6- 40PA-1.27DS(71)	630-0055-3 71	40	43.65	24.13	37.25	31.45	34.29	56.25	
HIF6- 50PA-1.27DS(71)	630-0056-6 71	50	50.00	30.48	43.60	37.80	40.64	62.60	
HIF6- 52PA-1.27DS(71)	630-0057-9 71	52	51.27	31.75	44.87	39.07	41.91	63.87	
HIF6- 60PA-1.27DS(71)	630-0058-1 71	60	56.35	36.83	49.95	44.15	46.99	68.95	
HIF6- 68PA-1.27DS(71)	630-0059-4 71	68	61.43	41.91	55.03	49.23	52.07	74.03	
HIF6- 80PA-1.27DS(71)	630-0060-3 71	80	69.05	49.53	62.65	56.85	59.69	81.65	
HIF6-100PA-1.27DS(71)	630-0061-6 71	100	81.75	62.23	75.35	69.55	72.39	94.35	

■Pin Header Straight Type with lock



◆PCB mounting pattern

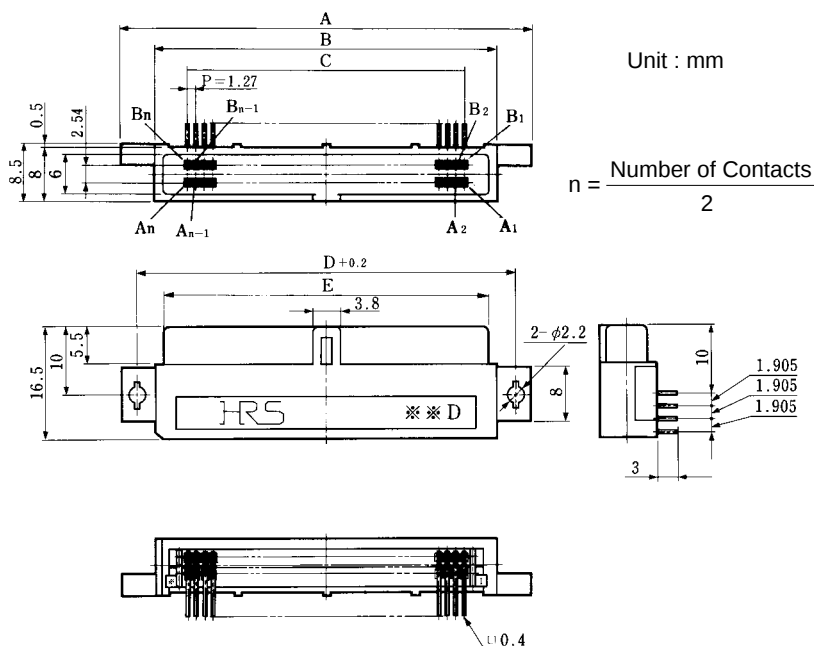


Note : Size G indicates a state where the lock is open.

Unit : mm

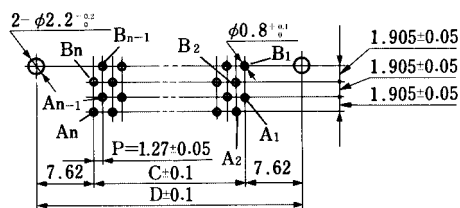
Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	G	RoHS
HIF6- 20PA-1.27DSA(71)	630-0101-9 71	20	30.95	11.43	24.55	18.75	14.95	21.59	43.55	YES
HIF6- 26PA-1.27DSA(71)	630-0102-1 71	26	34.76	15.24	28.36	22.56	18.76	25.40	47.36	
HIF6- 32PA-1.27DSA(71)	630-0103-4 71	32	38.57	19.05	32.17	26.37	22.57	29.21	51.17	
HIF6- 34PA-1.27DSA(71)	630-0104-7 71	34	39.84	20.32	33.44	27.64	23.84	30.48	52.44	
HIF6- 40PA-1.27DSA(71)	630-0105-0 71	40	43.65	24.13	37.25	31.45	27.65	34.29	56.25	
HIF6- 50PA-1.27DSA(71)	630-0106-2 71	50	50.00	30.48	43.60	37.80	34.00	40.64	62.60	
HIF6- 52PA-1.27DSA(71)	630-0107-5 71	52	51.27	31.75	44.87	39.07	35.27	41.91	63.87	
HIF6- 60PA-1.27DSA(71)	630-0108-8 71	60	56.35	36.83	49.95	44.15	40.35	46.99	68.95	
HIF6- 68PA-1.27DSA(71)	630-0109-0 71	68	61.43	41.91	55.03	49.23	45.43	52.07	74.03	
HIF6- 80PA-1.27DSA(71)	630-0110-0 71	80	69.05	49.53	62.65	56.85	53.05	59.69	81.65	
HIF6-100PA-1.27DSA(71)	630-0111-2 71	100	81.75	62.23	75.35	69.55	65.75	72.39	94.35	

■Receptacle Right Angle Type with Mounting hole



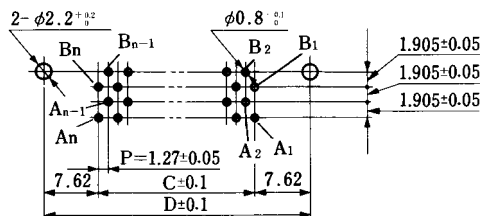
◆PCB mounting pattern

Mating Side



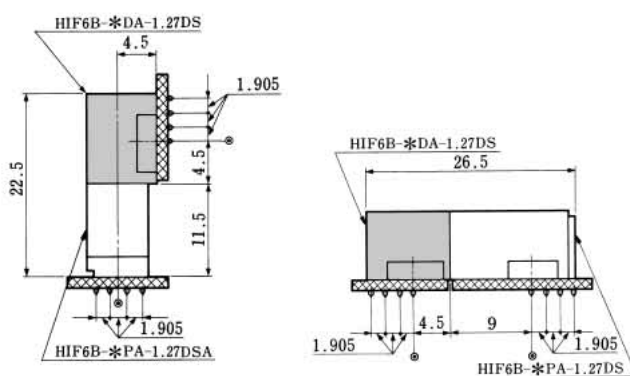
(20, 32, 40, 52, 60, 68, 80 contacts)

Mating Side



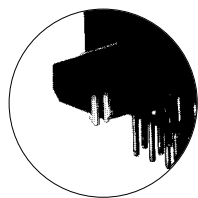
(26, 34, 50 contacts)

◆Application Pattern



⊙ Mounting hole center line

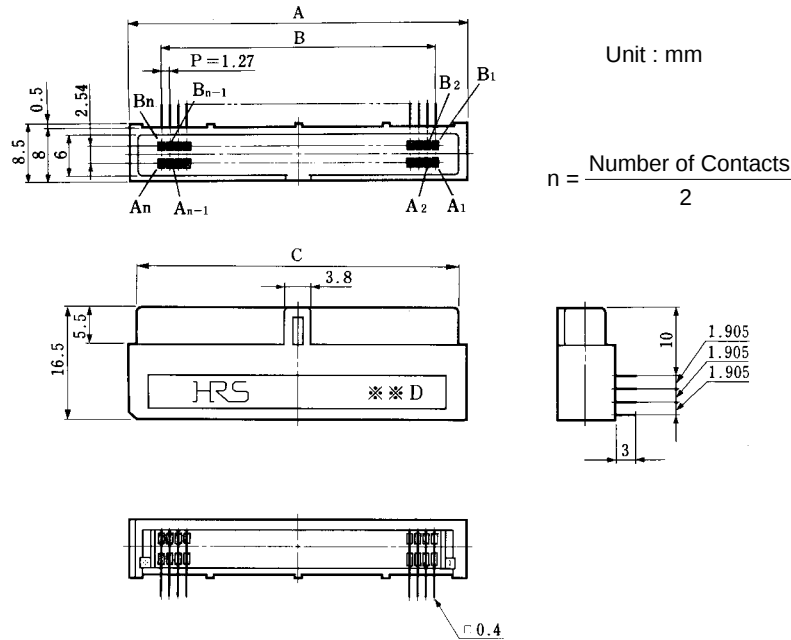
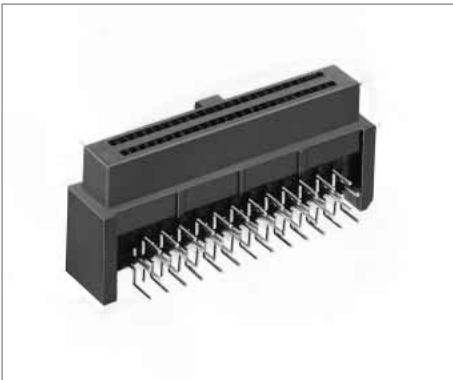
Unit : mm



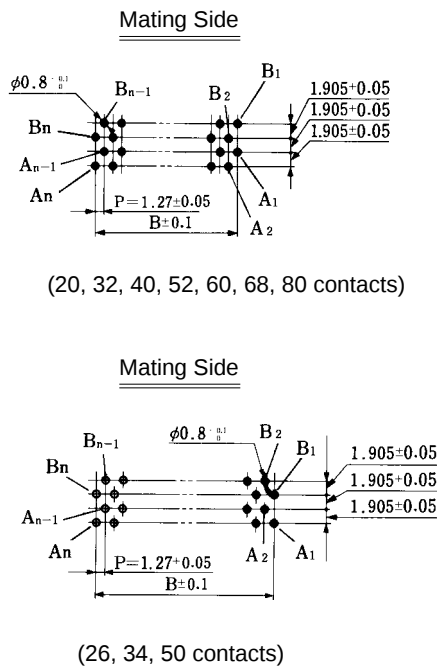
*Lock pin type is also available.

Part No.	HRS No.	No. of Contacts	A	B	C	D	E	RoHS
HIF6B-20DA-1.27DS(71)	631-0051-9 71	20	30.95	20.95	11.43	26.67	18.55	YES
HIF6B-26DA-1.27DS(71)	631-0052-1 71	26	34.76	24.76	15.24	30.48	22.36	
HIF6B-32DA-1.27DS(71)	631-0053-4 71	32	38.57	28.57	19.05	34.29	26.17	
HIF6B-34DA-1.27DS(71)	631-0054-7 71	34	39.84	29.84	20.32	35.56	27.44	
HIF6B-40DA-1.27DS(71)	631-0055-0 71	40	43.65	33.65	24.13	39.37	31.25	
HIF6B-50DA-1.27DS(71)	631-0056-2 71	50	50.00	40.00	30.48	45.72	37.60	
HIF6B-52DA-1.27DS(71)	631-0057-5 71	52	51.27	41.27	31.75	46.99	38.87	
HIF6B-60DA-1.27DS(71)	631-0058-8 71	60	56.35	46.35	36.83	52.07	43.95	
HIF6B-68DA-1.27DS(71)	631-0059-0 71	68	61.43	51.43	41.91	57.15	49.03	
HIF6B-80DA-1.27DS(71)	631-0060-0 71	80	69.05	59.05	49.53	64.77	56.65	

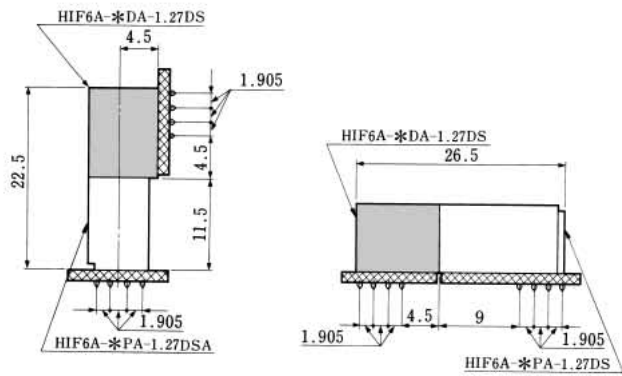
■Receptacle Right Angle Type Without Mounting hole



◆PCB mounting pattern



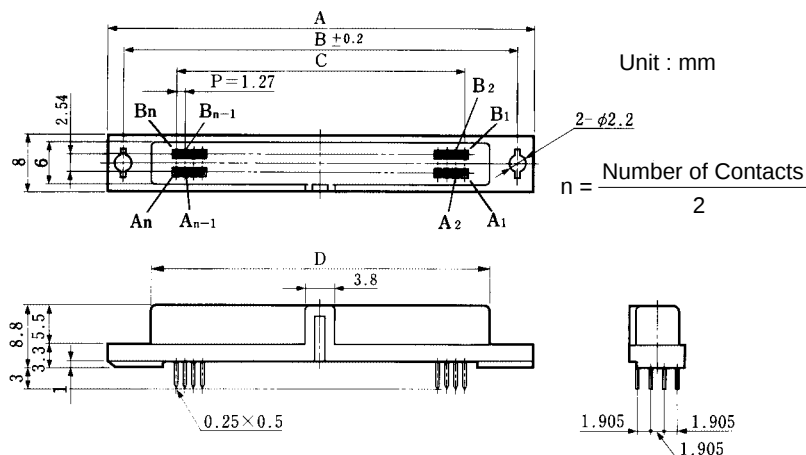
◆Application Pattern



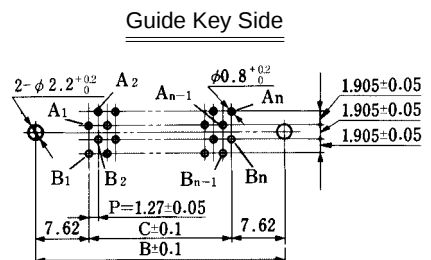
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	RoHS
HIF6A-20DA-1.27DS(71)	631-0001-0 71	20	20.95	11.43	18.55	YES
HIF6A-26DA-1.27DS(71)	631-0002-3 71	26	24.76	15.24	22.36	
HIF6A-32DA-1.27DS(71)	631-0003-6 71	32	28.57	19.05	26.17	
HIF6A-34DA-1.27DS(71)	631-0004-9 71	34	29.84	20.32	27.44	
HIF6A-40DA-1.27DS(71)	631-0005-1 71	40	33.65	24.13	31.25	
HIF6A-50DA-1.27DS(71)	631-0006-4 71	50	40.00	30.48	37.60	
HIF6A-52DA-1.27DS(71)	631-0007-7 71	52	41.27	31.75	38.87	
HIF6A-60DA-1.27DS(71)	631-0008-0 71	60	46.35	36.83	43.95	
HIF6A-68DA-1.27DS(71)	631-0009-2 71	68	51.43	41.91	49.03	
HIF6A-80DA-1.27DS(71)	631-0010-1 71	80	59.05	49.53	56.65	

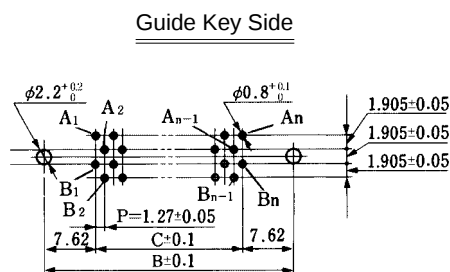
■Receptacle Straight Type with Mounting hole



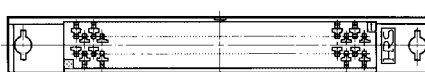
◆PCB mounting pattern



(20, 32, 40, 52, 60, 68, 80, 100 contacts)



(26, 34, 50 contacts)

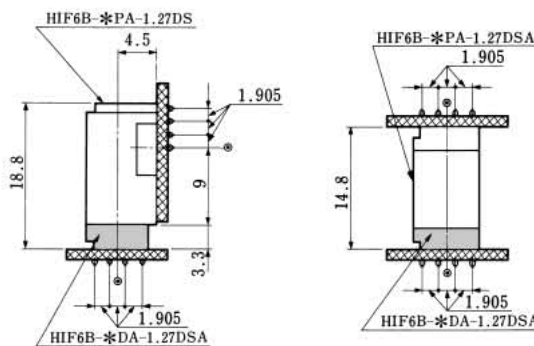


(20, 32, 40, 52, 60, 68, 80, 100 contacts)



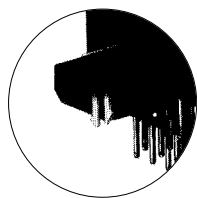
(26, 34, 50 contacts)

◆Application Pattern



⊙ Mounting hole center line

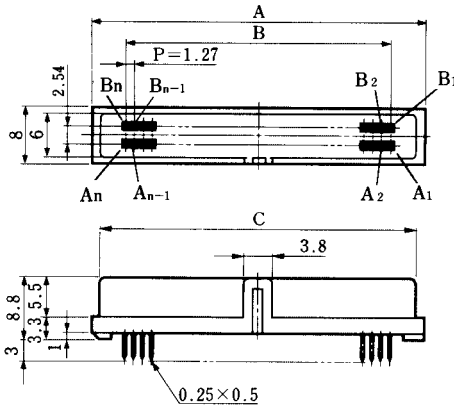
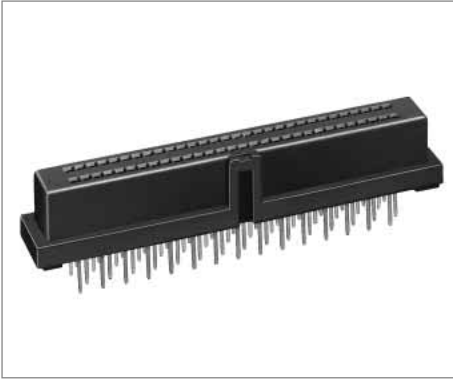
Unit : mm



*Lock pin type is also available.

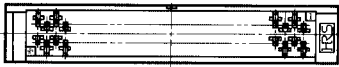
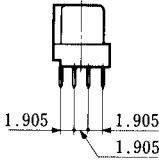
Part No.	HRS No.	No. of Contacts	A	B	C	D	RoHS
HIF6B- 20DA-1.27DSA(71)	631-0151-3 71	20	30.95	26.67	11.43	18.55	YES
HIF6B- 26DA-1.27DSA(71)	631-0152-6 71	26	34.76	30.48	15.24	22.36	
HIF6B- 32DA-1.27DSA(71)	631-0153-9 71	32	38.57	34.29	19.05	26.17	
HIF6B- 34DA-1.27DSA(71)	631-0154-1 71	34	39.84	35.56	20.32	27.44	
HIF6B- 40DA-1.27DSA(71)	631-0155-4 71	40	43.65	39.37	24.13	31.25	
HIF6B- 50DA-1.27DSA(71)	631-0156-7 71	50	50.00	45.72	30.48	37.60	
HIF6B- 52DA-1.27DSA(71)	631-0157-0 71	52	51.27	46.99	31.75	38.87	
HIF6B- 60DA-1.27DSA(71)	631-0158-2 71	60	56.35	52.07	36.83	43.95	
HIF6B- 68DA-1.27DSA(71)	631-0159-5 71	68	61.43	57.15	41.91	49.03	
HIF6B- 80DA-1.27DSA(71)	631-0160-4 71	80	69.05	64.77	49.53	56.65	
HIF6B-100DA-1.27DSA(71)	631-0161-7 71	100	81.75	77.47	62.23	69.35	

■Receptacle Straight Type without Mounting hole

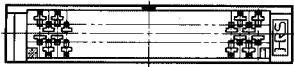


Unit : mm

$$n = \frac{\text{Number of Contacts}}{2}$$



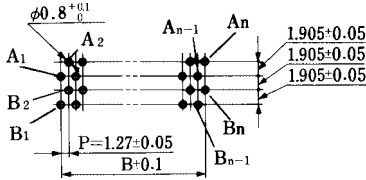
(20, 32, 40, 52, 60, 68, 80, 100 contacts)



(26, 34, 50 contacts)

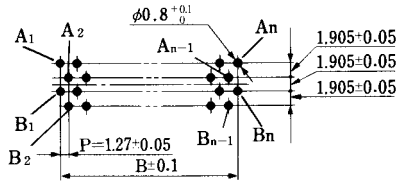
◆PCB mounting pattern

Guide Key Side



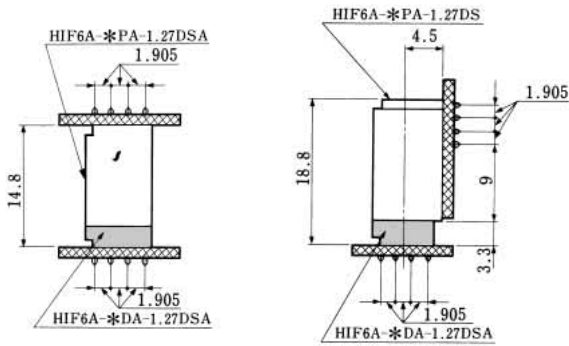
(20, 32, 40, 52, 60, 68, 80, 100 contacts)

Guide Key Side



(26, 34, 50 contacts)

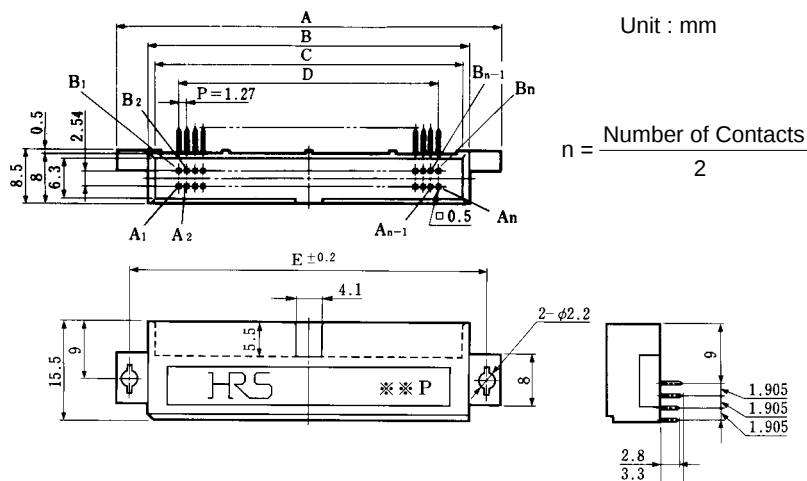
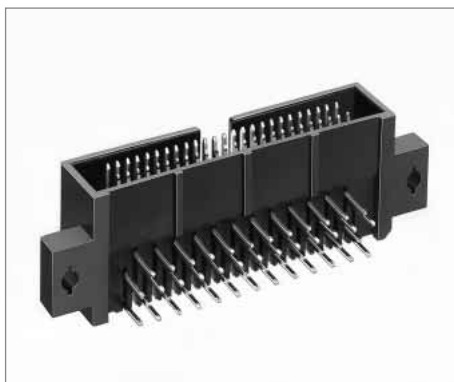
◆Application Pattern



Unit : mm

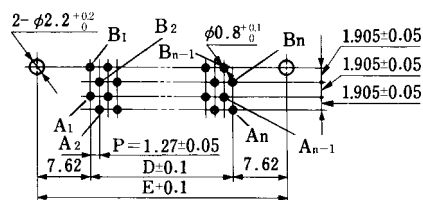
Part No.	HRS No.	No. of Contacts	A	B	C	RoHS
HIF6A- 20DA-1.27DSA(71)	631-0101-5 71	20	20.95	11.43	18.55	YES
HIF6A- 26DA-1.27DSA(71)	631-0102-8 71	26	24.76	15.24	22.36	
HIF6A- 32DA-1.27DSA(71)	631-0103-0 71	32	28.57	19.05	26.17	
HIF6A- 34DA-1.27DSA(71)	631-0104-3 71	34	29.84	20.32	27.44	
HIF6A- 40DA-1.27DSA(71)	631-0105-6 71	40	33.65	24.13	31.25	
HIF6A- 50DA-1.27DSA(71)	631-0106-9 71	50	40.00	30.48	37.60	
HIF6A- 52DA-1.27DSA(71)	631-0107-1 71	52	41.27	31.75	38.87	
HIF6A- 60DA-1.27DSA(71)	631-0108-4 71	60	46.35	36.83	43.95	
HIF6A- 68DA-1.27DSA(71)	631-0109-7 71	68	51.43	41.91	49.03	
HIF6A- 80DA-1.27DSA(71)	631-0110-6 71	80	59.05	49.53	56.65	
HIF6A-100DA-1.27DSA(71)	631-0111-9 71	100	71.75	62.23	69.35	

■ Pin Header Right Angle Type with Mounting hole



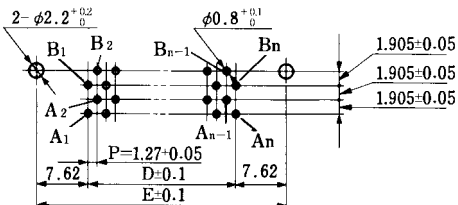
◆ PCB mounting pattern

Mating Side



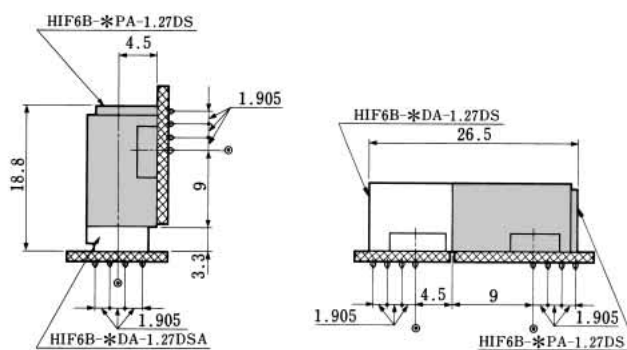
(20, 32, 40, 52, 60, 68, 80, 100 contacts)

Mating Side



(26, 34, 50 contacts)

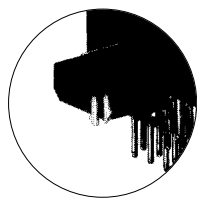
◆ Application Pattern



○ Mounting hole center line

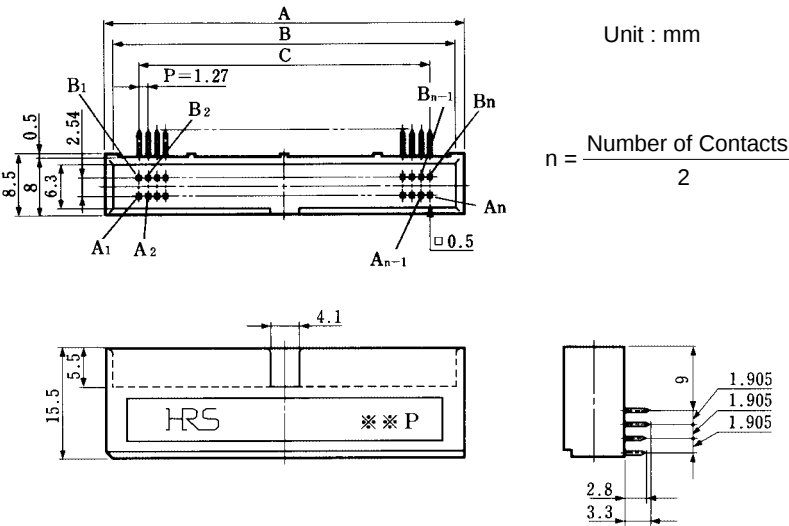
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	D	E	RoHS
HIF6B- 20PA-1.27DS(71)	631-0251-8 71	20	30.95	20.95	18.75	11.43	26.67	YES
HIF6B- 26PA-1.27DS(71)	631-0252-0 71	26	34.76	24.76	22.56	15.24	30.48	
HIF6B- 32PA-1.27DS(71)	631-0253-3 71	32	38.57	28.57	26.37	19.05	34.29	
HIF6B- 34PA-1.27DS(71)	631-0254-6 71	34	39.84	29.84	27.64	20.32	35.56	
HIF6B- 40PA-1.27DS(71)	631-0255-9 71	40	43.65	33.65	31.45	24.13	39.37	
HIF6B- 50PA-1.27DS(71)	631-0256-1 71	50	50.00	40.00	37.80	30.48	45.72	
HIF6B- 52PA-1.27DS(71)	631-0257-4 71	52	51.27	41.27	39.07	31.75	46.99	
HIF6B- 60PA-1.27DS(71)	631-0258-7 71	60	56.35	46.35	44.15	36.83	52.07	
HIF6B- 68PA-1.27DS(71)	631-0259-0 71	68	61.43	51.43	49.23	41.91	57.15	
HIF6B- 80PA-1.27DS(71)	631-0260-9 71	80	69.05	59.05	56.85	49.53	64.77	
HIF6B-100PA-1.27DS(71)	631-0261-1 71	100	81.75	71.75	69.55	62.23	77.47	

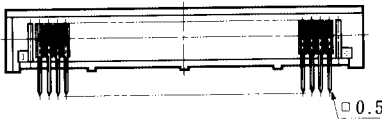


※Lock pin type is also available.

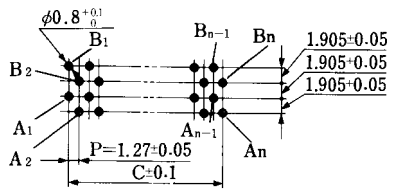
■Pin Header Right Angle Type Without Mounting hole



◆PCB mounting pattern

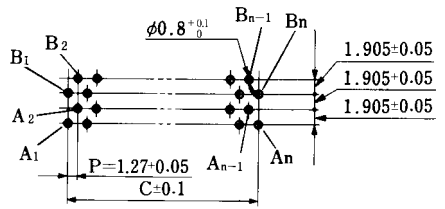


Mating Side



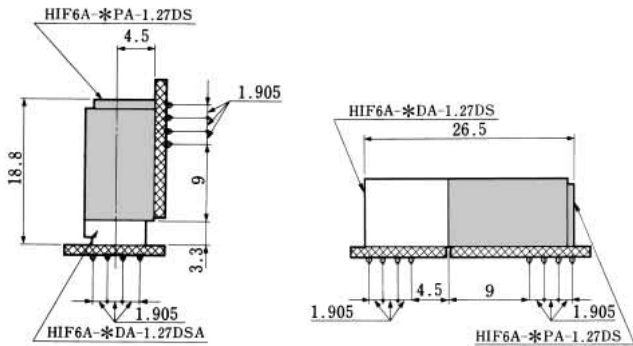
(20, 32, 40, 52, 60, 68, 80, 100 contacts)

Mating Side



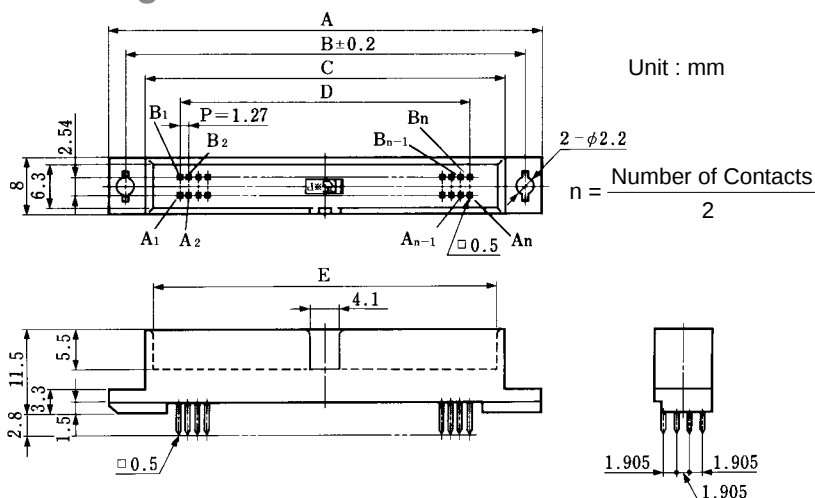
(26, 34, 50 contacts)

◆Application Pattern

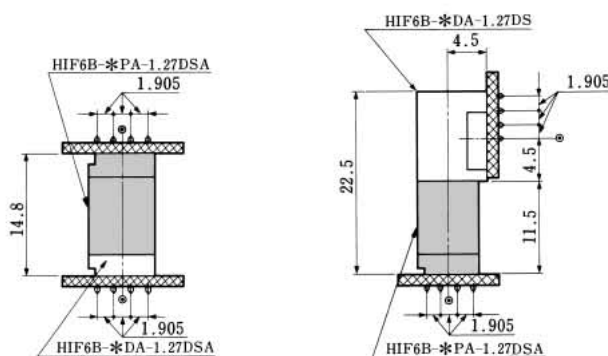
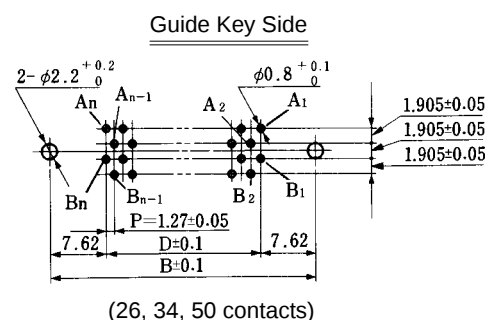
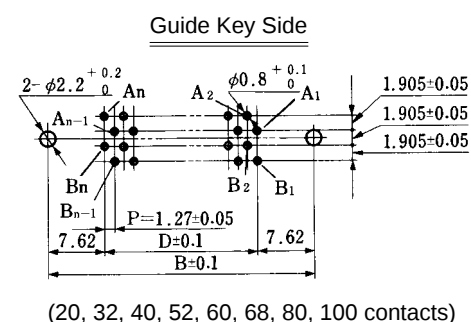


Unit : mm

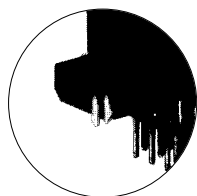
Part No.	HRS No.	No. of Contacts	A	B	C	RoHS
HIF6A- 20PA-1.27DS(71)	631-0201-0 71	20	20.95	18.75	11.43	YES
HIF6A- 26PA-1.27DS(71)	631-0202-2 71	26	24.76	22.56	15.24	
HIF6A- 32PA-1.27DS(71)	631-0203-5 71	32	28.57	26.37	19.05	
HIF6A- 34PA-1.27DS(71)	631-0204-8 71	34	29.84	27.64	20.32	
HIF6A- 40PA-1.27DS(71)	631-0205-0 71	40	33.65	31.45	24.13	
HIF6A- 50PA-1.27DS(71)	631-0206-3 71	50	40.00	37.80	30.48	
HIF6A- 52PA-1.27DS(71)	631-0207-6 71	52	41.27	39.07	31.75	
HIF6A- 60PA-1.27DS(71)	631-0208-9 71	60	46.35	44.15	36.83	
HIF6A- 68PA-1.27DS(71)	631-0209-1 71	68	51.43	49.23	41.91	
HIF6A- 80PA-1.27DS(71)	631-0210-0 71	80	59.05	56.85	49.53	
HIF6A-100PA-1.27DS(71)	631-0211-3 71	100	71.75	69.55	62.23	



(20, 32, 40, 52, 60, 68, 80, 100 contacts)



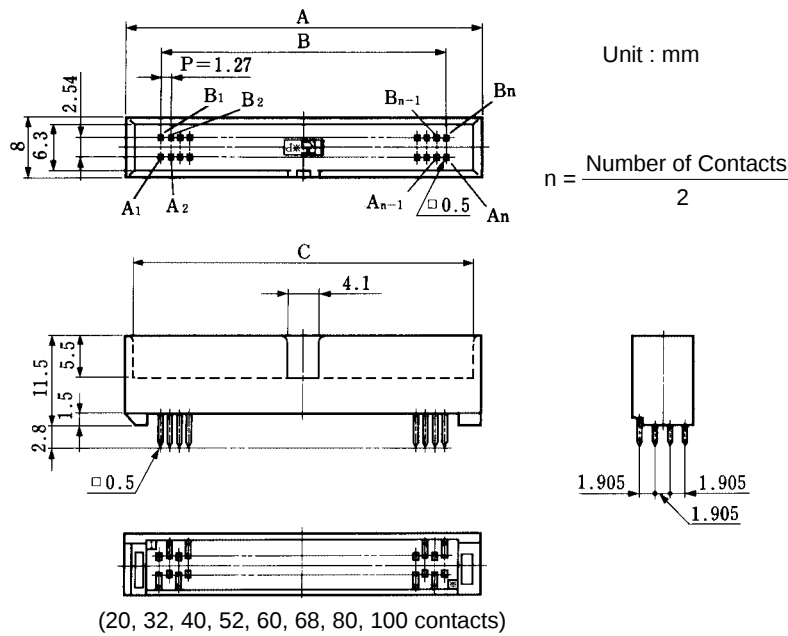
⊙ Mounting hole center line



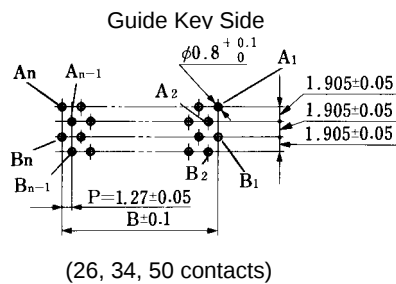
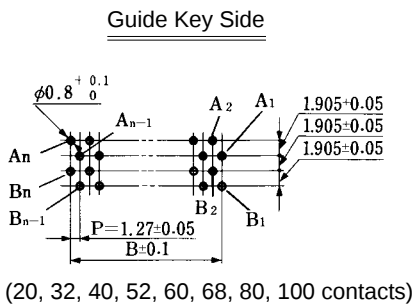
*Lock pin type is also available.

Unit : mm								
Part No.	HRS No.	No. of Contacts	A	B	C	D	E	RoHS
HIF6B- 20PA-1.27DSA(71)	631-0351-2 71	20	30.95	26.67	20.95	11.43	18.75	YES
HIF6B- 26PA-1.27DSA(71)	631-0352-5 71	26	34.76	30.48	24.76	15.24	22.56	
HIF6B- 32PA-1.27DSA(71)	631-0353-8 71	32	38.57	34.29	28.57	19.05	26.37	
HIF6B- 34PA-1.27DSA(71)	631-0354-0 71	34	39.84	35.56	29.84	20.32	27.64	
HIF6B- 40PA-1.27DSA(71)	631-0355-3 71	40	43.65	39.37	33.65	24.13	31.45	
HIF6B- 50PA-1.27DSA(71)	631-0356-6 71	50	50.00	45.72	40.00	30.48	37.80	
HIF6B- 52PA-1.27DSA(71)	631-0357-9 71	52	51.27	46.99	41.27	31.75	39.07	
HIF6B- 60PA-1.27DSA(71)	631-0358-1 71	60	56.35	52.07	46.35	36.83	44.15	
HIF6B- 68PA-1.27DSA(71)	631-0359-4 71	68	61.43	57.15	51.43	41.91	49.23	
HIF6B- 80PA-1.27DSA(71)	631-0360-3 71	80	69.05	64.77	59.05	49.53	56.85	
HIF6B-100PA-1.27DSA(71)	631-0361-6 71	100	81.75	77.47	71.75	62.23	69.55	

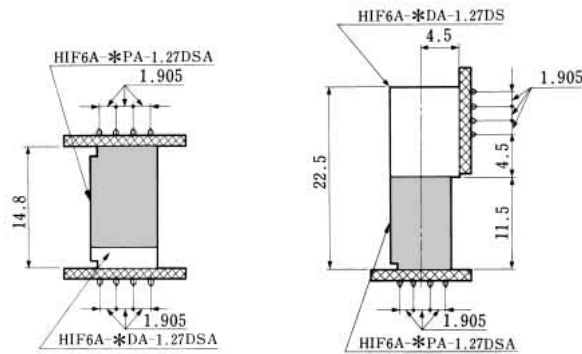
■Pin Header Straight Type Without Mounting hole



◆PCB mounting pattern



◆Application Pattern



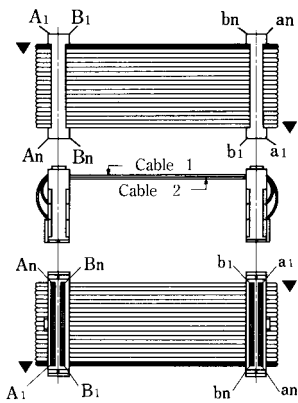
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	RoHS
HIF6A- 20PA-1.27DSA(71)	631-0301-4 71	20	20.95	11.43	18.75	YES
HIF6A- 26PA-1.27DSA(71)	631-0302-7 71	26	24.76	15.24	22.56	
HIF6A- 32PA-1.27DSA(71)	631-0303-0 71	32	28.57	19.05	26.37	
HIF6A- 34PA-1.27DSA(71)	631-0304-2 71	34	29.84	20.32	27.64	
HIF6A- 40PA-1.27DSA(71)	631-0305-5 71	40	33.65	24.13	31.45	
HIF6A- 50PA-1.27DSA(71)	631-0306-8 71	50	40.00	30.48	37.80	
HIF6A- 52PA-1.27DSA(71)	631-0307-0 71	52	41.27	31.75	39.07	
HIF6A- 60PA-1.27DSA(71)	631-0308-3 71	60	46.35	36.83	44.15	
HIF6A- 68PA-1.27DSA(71)	631-0309-6 71	68	51.43	41.91	49.23	
HIF6A- 80PA-1.27DSA(71)	631-0310-5 71	80	59.05	49.53	56.85	
HIF6A-100PA-1.27DSA(71)	631-0311-8 71	100	71.75	62.23	69.55	

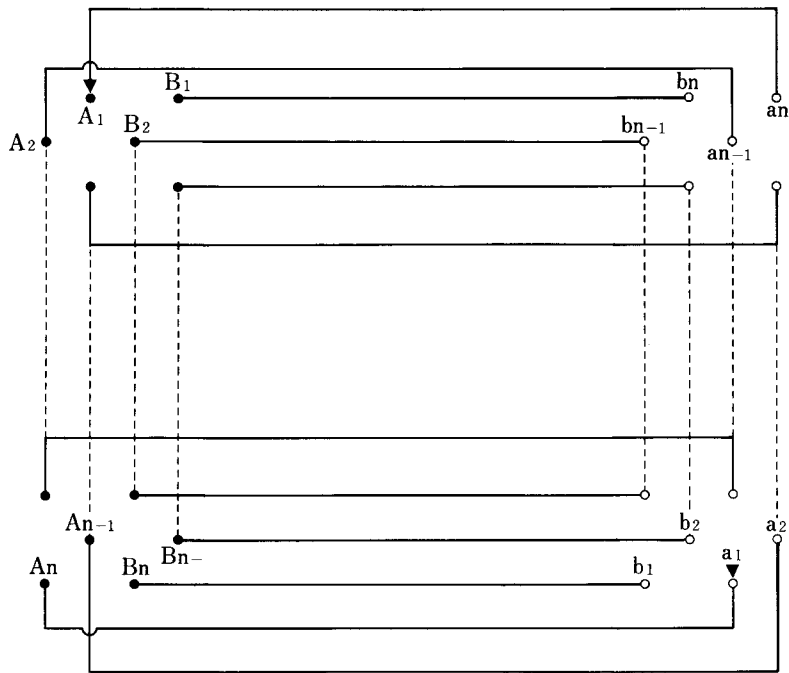
◆Connection Circuit (20, 32, 40, 52, 60, 68, 80, 100 contacts)

Type A, B

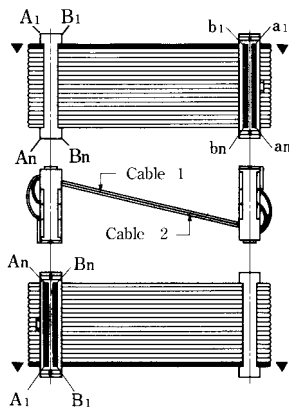
$$n = \frac{\text{Number of Contacts}}{2}$$



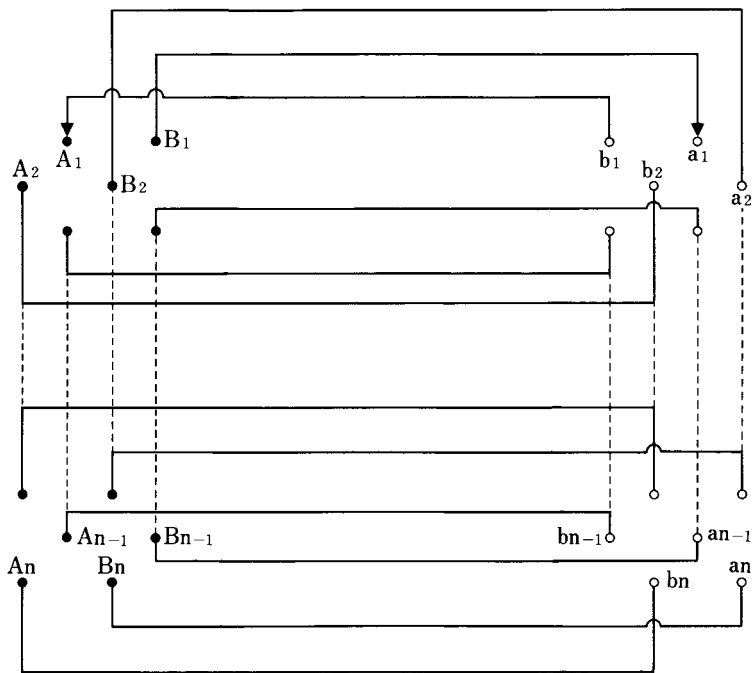
Connection of Cable 1	Connection of Cable 2
A1 — an	B1 — bn
A2 — an-1	B2 — bn-1
⋮	⋮
An — a1	Bn — b1



Type A, A



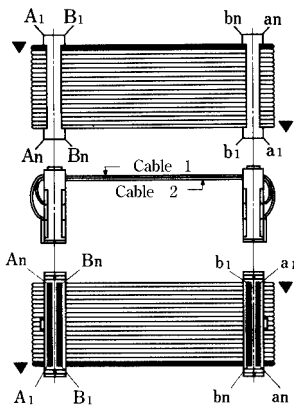
Connection of Cable 1	Connection of Cable 2
A1 — b1	B1 — a1
A2 — b2	B2 — a2
⋮	⋮
An — bn	Bn — an



◆Connection Circuit (26, 40, 50 contacts)

Type A, B

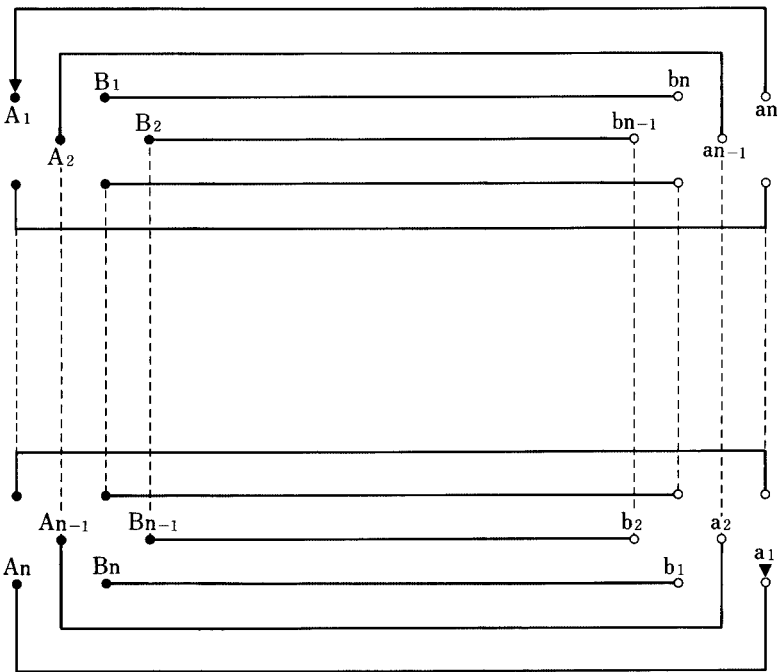
$$n = \frac{\text{Number of Contacts}}{2}$$



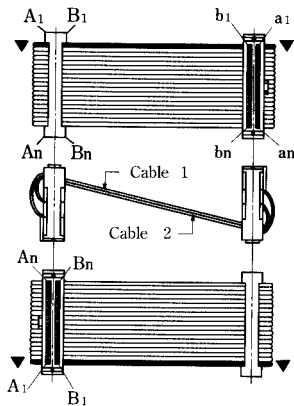
Connection of Cable 1

Connection of Cable 2

A1 ————— an	B1 ————— bn
A2 ————— an-1	B2 ————— bn-1
⋮	⋮
An ————— a1	Bn ————— b1



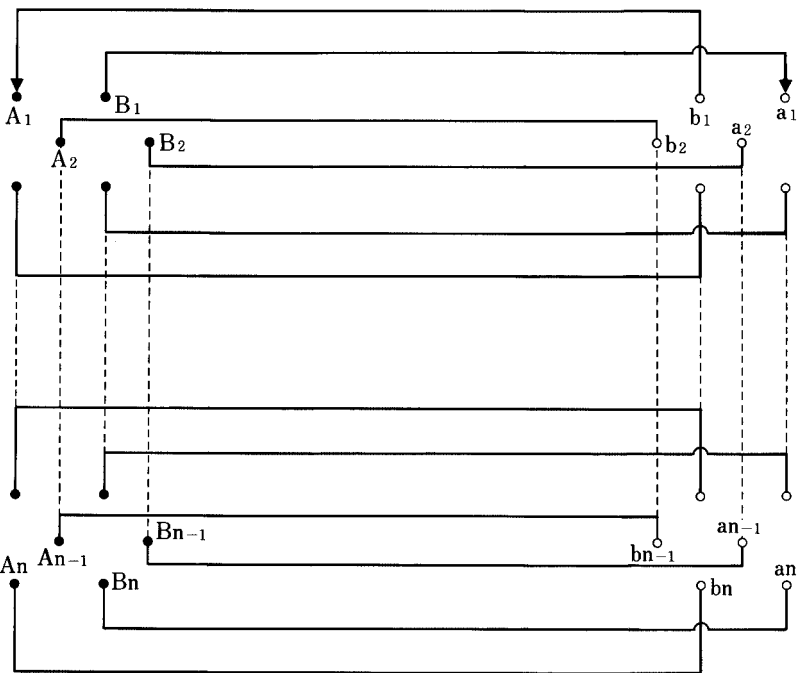
Type A, A



Connection of Cable 1

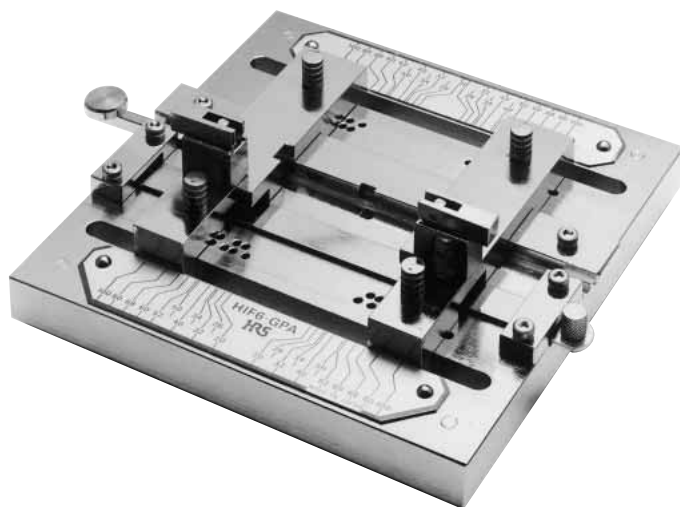
Connection of Cable 2

A1 ————— b1	B1 ————— a1
A2 ————— b2	B2 ————— a2
⋮	⋮
An ————— bn	Bn ————— an



◆Connection Jig

●Guide Plate



HIF 6 - GPA
550 - 0165 - 8

●Hi-Flex Connection Press



Hi-Flex Connection Press HHP502
550 - 0082 - 2

*Pressing Block

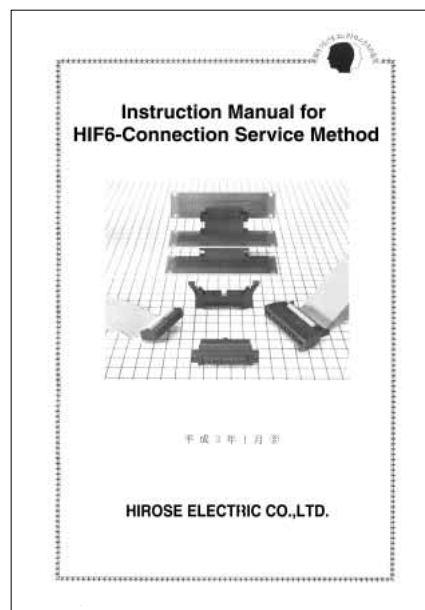
Part No.	HRS No.
Pressing Block A-01	550-0133-1

●Cable Cutter



HIF6 Cable Cutter-FC601
550 - 0166 - 0

●Instruction Manual for HIF6 Connection Service Method



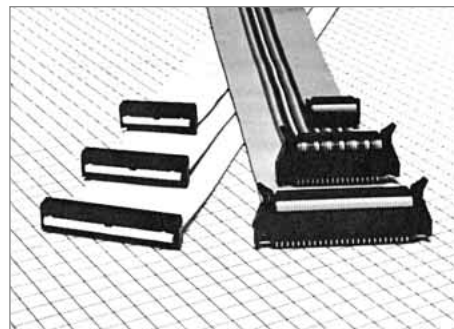
14 Pages

■HIF6 Series: Connection Type Coupled Connector

HIF3B Series (MIL-C-83503)

- Compliant with the MIL standard
- The VA idea is reflected on both pin header and socket.
- Products with pull-out tab are available.
- Countermeasures are taken against noises in combination with the applicable cover case.
- The type aligned in single-row, low profile type, is available for pin header locking system, in addition to standard products.

Number of contacts: 6, 10, 14, 16, 20, 26, 30, 34, 40, 50, 60, 64



HIF2 Series (Board direct mount type)

①2-row parallel type (HIF2E)

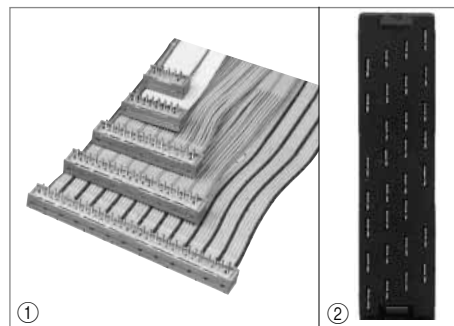
Number of contacts: 10, 14, 16, 20, 26, 30, 34, 40, 50, 60

2.54mm grid alignment facilitates to the design pattern.

②4-row staggered type (HIF2C)

Number of contacts: 10, 14, 16, 20, 26, 30, 34, 40, 50, 60

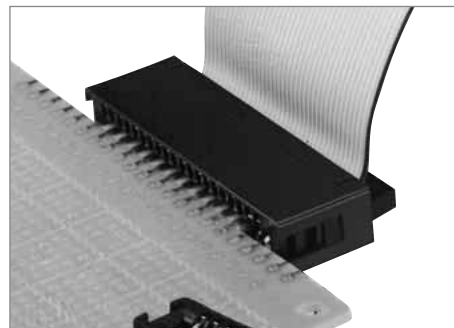
Mounting height is 4.9mm low profile type.



HIF5 Series (Card edge ribbon type)

- Three types of full hole, semi-hole and no mount area are provided for the unit mount area.
- Connectors are connected in the bus line system.
- Cables can be returned within the connector mold width.

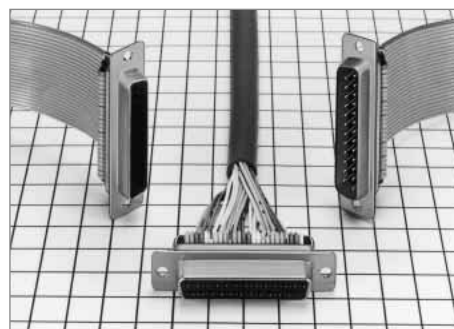
Number of contacts: 20, 26, 34, 40, 50, 60



FD Series (D sub-ribbon connector)

- The standard pitch 1.27mm ribbon cable can be insulated and displaced by replacing a jig, in addition to the same pitch 1.38mm as for the D sub connector.
- The space saving type allows to reduce the thickness on the connection side according to set miniaturization.
- Connectors can be installed from both front and rear sides of the chassis or panel.

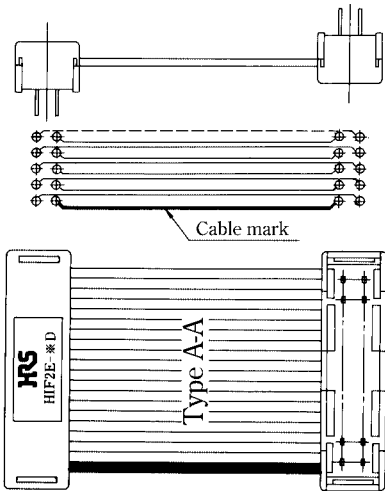
Number of contacts: 9, 15, 25, 37



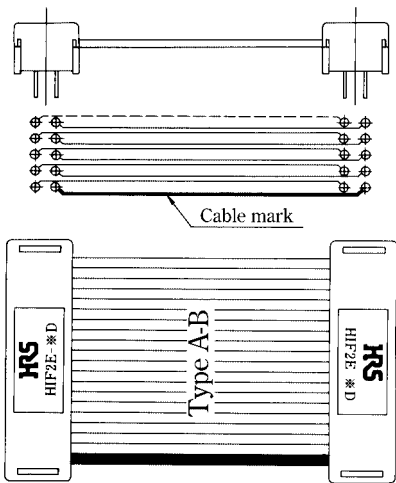
◆Connection Circuit Diagram

HIF2E-※D-2.54RB

●Type A-A

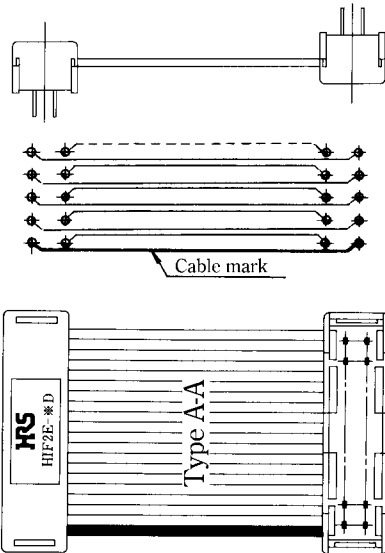


●Type A-B

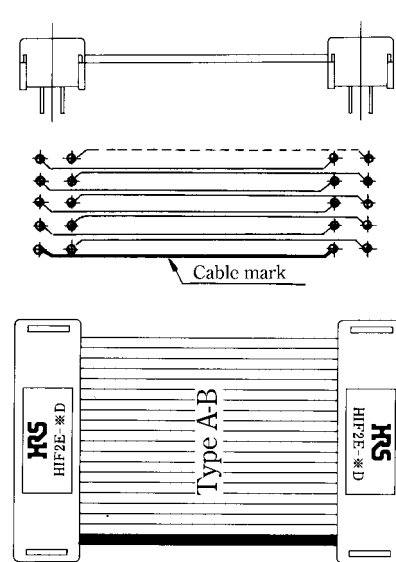


HIF2E-※D-2.54RA

●Type A-A



●Type A-B



Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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