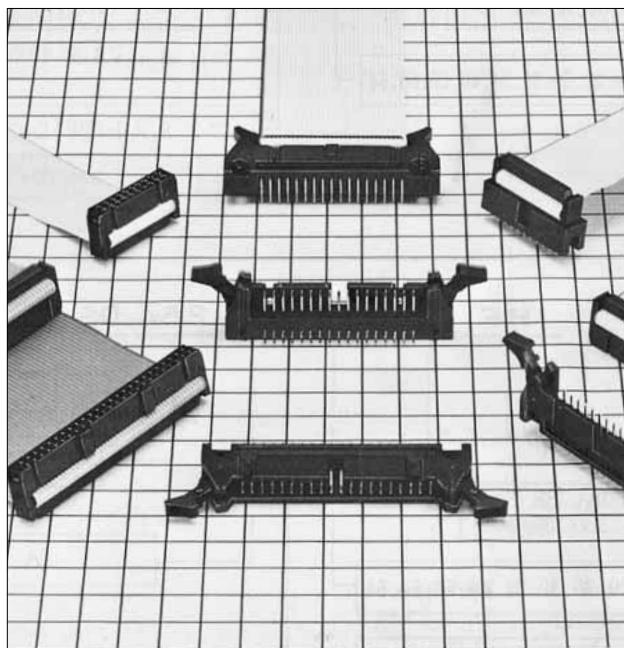


Ribbon Cable connector Compliant with MIL Standard

HIF3B Series



■Features

1. Product Compliant with MIL Standard

HIF3B series has been developed as a product compliant with MIL standard, and used for wide applications.

2. UL Approval Product

HIF3B series connectors are UL approved.

3. Mechanism to Prevent Mis-insertion

This connector is equipped with the mechanism to prevent Mis-insertion as follows.

- ① The system provides the convex area to insert the guide-key on the pin header side, and to guide it in combination with the socket convex area (MIL standard).
- ② The system embeds and guides the polarizing key in the socket holes.

4. Applicable Cable AWG#28

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

■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
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: 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
Socket Contact	Beryllium copper	Connection area	Gold plated	_____
Pin header contact	Brass	Selective Gold plated		_____

■Ordering Information

●Socket

HIF 3B - * D - 2.54 R
① ② ③ ④ ⑤ ⑥

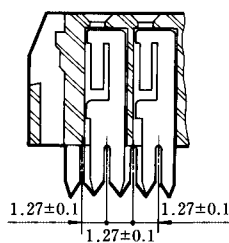
① Series Name	: HIF
② Series No.	: 3B, 3BA, 3BB (50, 60, 64 contacts only)
③ Number of contacts	: 6,10,14,16, 20, 26, 30, 34, 40, 50, 60, 64
④ Contact alignment	: D : Double
⑤ Contact pitch	: 2.54mm
⑥ Connection type	R : ID type

●Pin Header

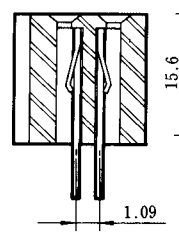
HIF 3B - * P A - 2.54 DS
① ② ③ ④ ⑤ ⑥ ⑦

① Series Name	: HIF
② Series No.	: 3B : (14 contacts not included) 3BC: (10 contacts only) 3BA, 3BB: (50, 60, 64 contacts only) 3BD: (10 contacts only)
③ Number of contacts	: 6,10,14,16, 20, 26, 30, 34, 40, 50, 60, 64
④ P	: Pin header
⑤ A	: Selective gold plated
⑥ Contact pitch	: 2.54mm
⑦ Contact style	DS : Right angle type DSA : Straight type

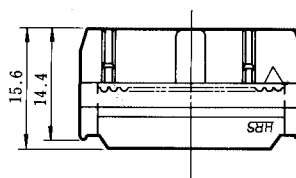
■Socket (With guide to prevent mis-insertion)



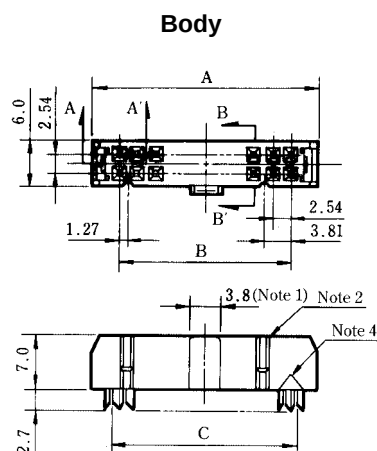
Section A to A'



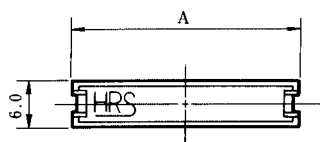
Section B to B'



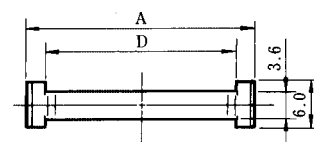
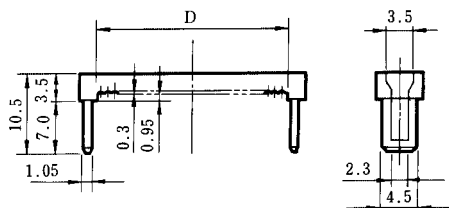
Combination pattern



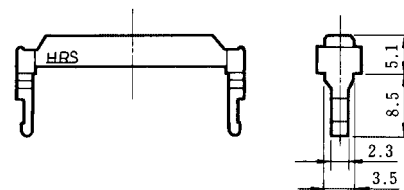
Body



Protector



Clamp



Note1, Note2: The number of polarizing keys and polarizing keyways changes according to products. Refer to the list as shown below.

Note3: The 50, 60 and 64 contact connector contain two types of polarizing guides. Use the products, referring to Notes 1 and 2.

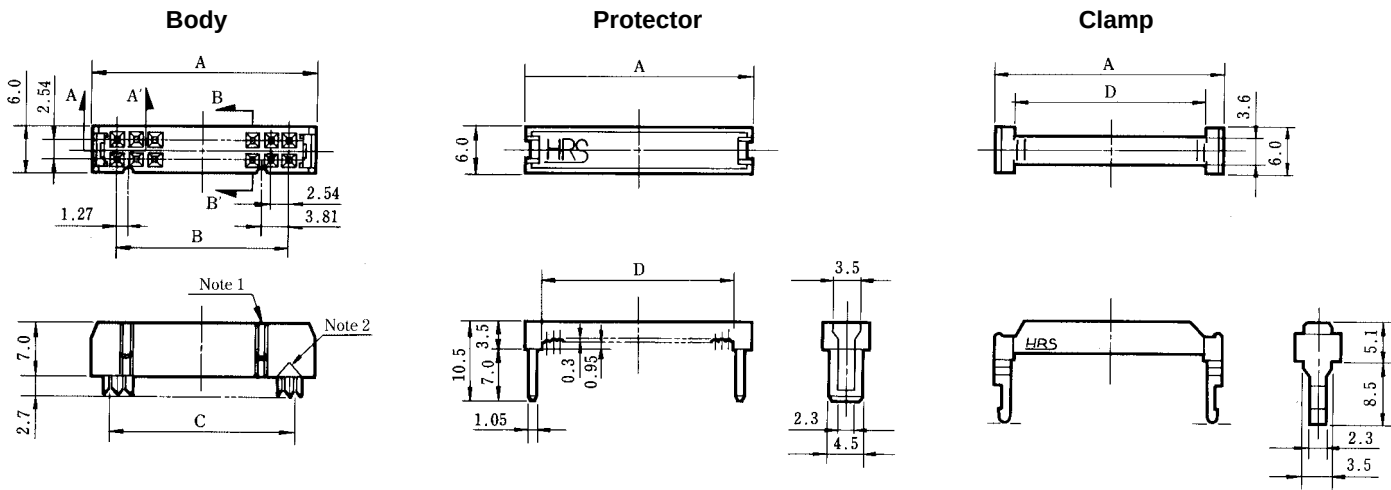
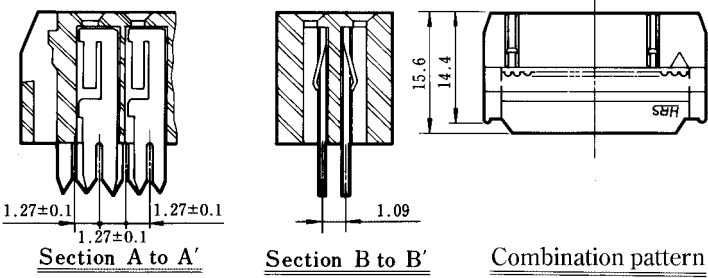
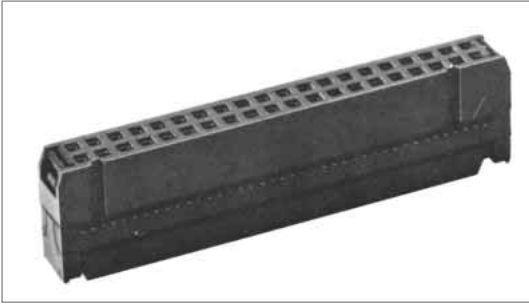
Note4: The 6 contact has no polarizing mark.

Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	Polarizing Guide (Note 1)	Polarizing Keyway (Note 2)	RoHS
HIF3BA- 6D-2.54R	610-0032-3	6	12.19	5.08	6.35	7.72	One at center	None	YES
HIF3BA-10D-2.54R	610-0021-7	10	17.27	10.16	11.43	12.8		One on left side	
HIF3BA-14D-2.54R	610-0022-0	14	22.35	15.24	16.51	17.88		One on right and left sides, resp.	
HIF3BA-16D-2.54R	610-0023-2	16	24.89	17.78	19.05	20.42			
HIF3BA-20D-2.54R	610-0024-5	20	29.97	22.86	24.13	25.5			
HIF3BA-26D-2.54R	610-0025-8	26	37.59	30.48	31.75	33.12			
HIF3BA-30D-2.54R	610-0026-0	30	42.67	35.56	36.83	38.2			
HIF3BA-34D-2.54R	610-0027-3	34	47.75	40.64	41.91	43.28			
HIF3BA-40D-2.54R	610-0028-6	40	55.37	48.26	49.53	50.9			
HIF3BA-50D-2.54R	610-0029-9	50	68.07	60.96	62.23	63.6	One on right and left sides, resp.		
HIF3BB-50D-2.54R	610-0041-4	50	68.07	60.96	62.23	63.6	One at center		
HIF3BA-60D-2.54R	610-0030-8	60	80.77	73.66	74.93	76.3	One on right and left sides, resp.	One on right and left sides, resp.	
HIF3BB-60D-2.54R	610-0042-7	60	80.77	73.66	74.93	76.3	One at center		
HIF3BA-64D-2.54R	610-0031-0	64	85.85	78.74	80.01	81.38	One on right and left sides, resp.		
HIF3BB-64D-2.54R	610-0043-0	64	85.85	78.74	80.01	81.38	One at center		

The products marked with ★ comply with MIL standard.

■Socket



Note1: The number of polarizing keys and polarizing keyways changes according to products. For details, refer to the list as shown below.
Note2: The 6 contact has no polarizing mark.

								Unit:mm
Part Number	CL No.	Number of Contacts	A	B	C	D	Polarizing Guide (Note 1)	RoHS
HIF3B- 6D-2.54R	610-0012-6	6	12.19	5.08	6.35	7.72	None	YES
HIF3B-10D-2.54R	610-0001-0	10	17.27	10.16	11.43	12.80	One on left side	
HIF3B-14D-2.54R	610-0002-2	14	22.35	15.24	16.51	17.88		
HIF3B-16D-2.54R	610-0003-5	16	24.89	17.78	19.05	20.42	One on right and left sides, resp.	
HIF3B-20D-2.54R	610-0004-8	20	29.97	22.86	24.13	25.50		
HIF3B-26D-2.54R	610-0005-0	26	37.59	30.48	31.75	33.12		
HIF3B-30D-2.54R	610-0006-3	30	42.67	35.56	36.83	38.2		
HIF3B-34D-2.54R	610-0007-6	34	47.75	40.64	41.91	43.28		
HIF3B-40D-2.54R	610-0008-9	40	55.37	48.26	49.53	50.90		
HIF3B-50D-2.54R	610-0009-1	50	68.07	60.96	62.23	63.6		
HIF3B-60D-2.54R	610-0010-0	60	80.77	73.66	74.93	76.3		
HIF3B-64D-2.54R	610-0011-3	64	85.85	78.74	80.01	81.38		

The products marked with ★ comply with MIL standard.

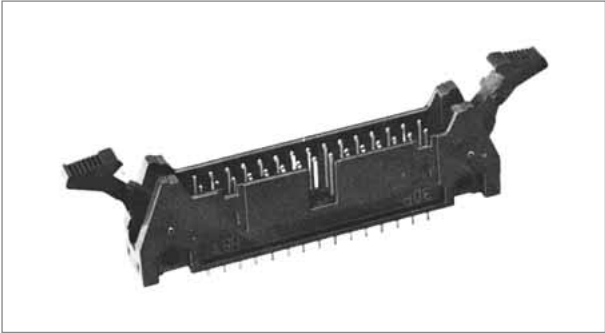
A black plastic component with a long row of pins, likely a connector or probe. It has a rectangular body with a series of vertical pins extending from one side. There are some mounting tabs and a small rectangular label on the top surface.

Technical drawing of a mechanical part showing dimensions and tolerances:

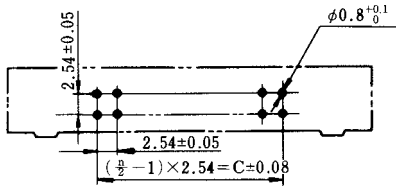
- Overall width: $E \pm 0.15$
- Overall height: 0.74
- Dimension from left face to center of first hole: 2.54 ± 0.05
- Dimension from center of first hole to center of last hole: $(\frac{n}{2} - 1) \times 2.54 = C \pm 0.08$
- Dimension from center of last hole to right face: 2.54 ± 0.05
- Hole diameter: $\phi 0.8^{+0.1}_0$
- Radius of fillet: $\phi 2.7$

HRS B19

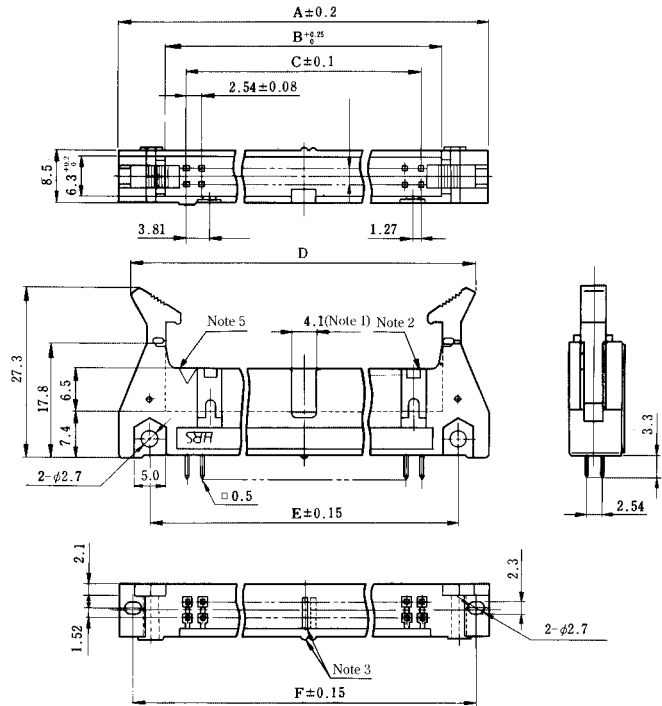
■Four-Wall Straight Through hole



◆PCB mounting pattern



■n=number of contacts



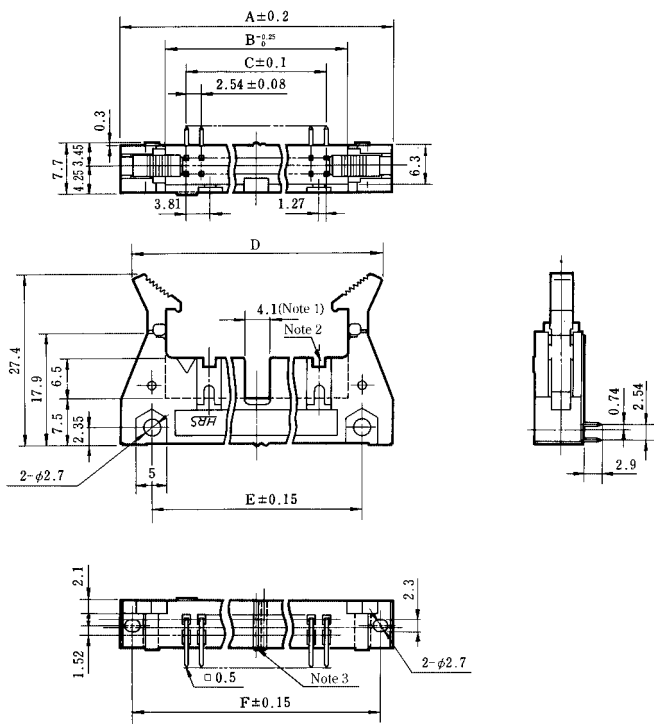
- Note 1, Note 2: The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.
- Note 3: The spacer moves to the right according to the number of contacts.
- Note 4: The 10, 50, 60 and 64 contact connectors contain two types of polarizing slots.
Use products, confirming (Note 1) (Note 2).
- Note 5: The 6 contact has no polarity mark.

Unit:mm

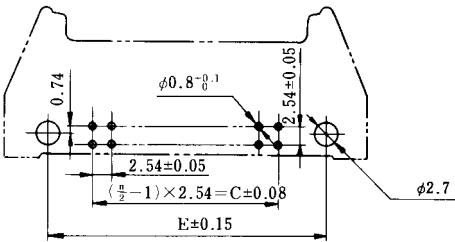
	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS	
★	HIF3-6PA-2.54DSA(71)	562-0503-9-71	6	26.92	12.42	5.08	23.06 MAX46.02	16.7	22.82	One at center	None	YES	
	HIF3BA-10PA-2.54DSA(71)	610-0111-8-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side		
★	HIF3BD-10PA-2.54DSA(71)	610-0181-3-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None		
★	HIF3BA-14PA-2.54DSA(71)	610-0112-0-71	14	37.1	22.6	15.24	33.24 MAX56.2	26.9	33.0		One on right side		
★	HIF3BA-16PA-2.54DSA(71)	610-0113-3-71	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5	One at center	One on right and left sides, resp.		
★	HIF3BA-20PA-2.54DSA(71)	610-0114-6-71	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6				
★	HIF3BA-26PA-2.54DSA(71)	610-0115-9-71	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3				
★	HIF3BA-30PA-2.54DSA(71)	610-0116-1-71	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3				
★	HIF3BA-34PA-2.54DSA(71)	610-0117-4-71	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4				
★	HIF3BA-40PA-2.54DSA(71)	610-0118-7-71	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0				
★	HIF3BA-50PA-2.54DSA(71)	610-0119-0-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7				One on right and left sides, resp.
★	HIF3BB-50PA-2.54DSA(71)	610-0141-9-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7				One at center
★	HIF3BA-60PA-2.54DSA(71)	610-0120-9-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One on right and left sides, resp.			
	HIF3BB-60PA-2.54DSA(71)	610-0142-1-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center			
★	HIF3BA-64PA-2.54DSA(71)	610-0121-1-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One on right and left sides, resp.			
★	HIF3BB-64PA-2.54DSA(71)	610-0143-4-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One at center			

The products marked with ★ comply with MIL standard.

■Three Wall Angle Type



◆PCB mounting pattern



■n=number of contacts

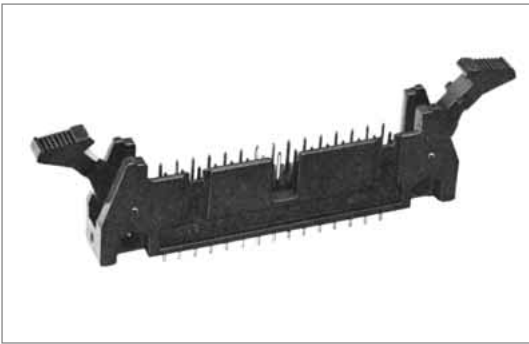
Note 1, Note 2: The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.
Note 3: The spacer moves according to the number of contacts.
Note 4: The 10 contact connector consists of two types.
Use products, confirming (Note 1) (Note 2).

Unit:mm

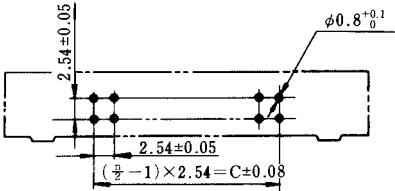
	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3B -10PA-2.54DS(71)	610-0051-8-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3BC-10PA-2.54DS(71)	610-0151-2-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	One at center	None	
★	HIF3B -16PA-2.54DS(71)	610-0052-0-71	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5		One on right and left sides, resp.	
★	HIF3B -20PA-2.54DS(71)	610-0053-3-71	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3B -26PA-2.54DS(71)	610-0054-6-71	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3B -30PA-2.54DS(71)	610-0055-9-71	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3B -34PA-2.54DS(71)	610-0056-1-71	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3B -40PA-2.54DS(71)	610-0057-4-71	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3B -50PA-2.54DS(71)	610-0058-7-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One on right and left sides, resp.		
★	HIF3B -60PA-2.54DS(71)	610-0059-0-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4			
★	HIF3B -64PA-2.54DS(71)	610-0060-9-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5			

The products marked with ★ comply with MIL standard.

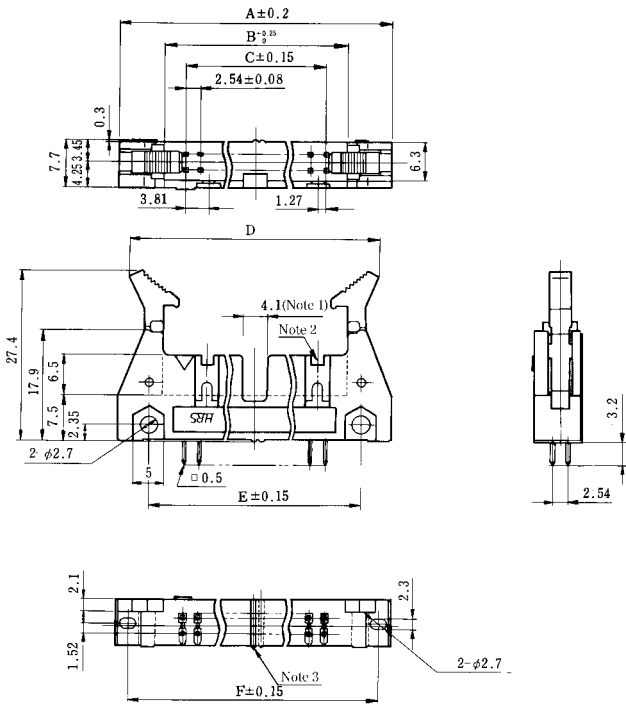
Three Wall Straight Through hole



PCB mounting pattern



n=number of contacts



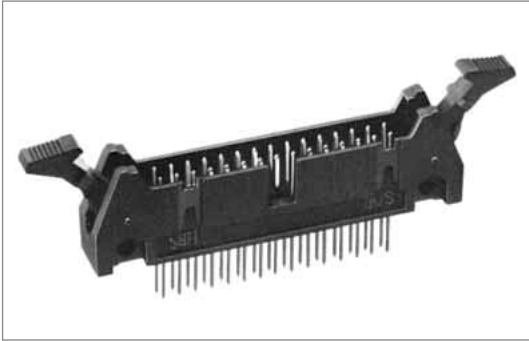
Note1,Note2: The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.
Note3: The spacer moves to the right according to the number of contacts.
Note4: The 10 contact connector consists of two types.
Use products, referring to (Note 1) and (Note 2).

Unit:mm

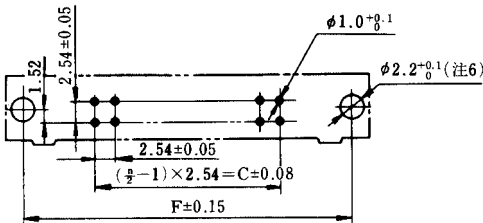
	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3B -10PA-2.54DSA(71)	610-0071-5-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3BC-10PA-2.54DSA(71)	610-0161-6-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None	
★	HIF3B -16PA-2.54DSA(71)	610-0072-8-71	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5	One at center	One on right and left sides, resp.	
★	HIF3B -20PA-2.54DSA(71)	610-0073-0-71	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3B -26PA-2.54DSA(71)	610-0074-3-71	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3B -30PA-2.54DSA(71)	610-0075-6-71	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3B -34PA-2.54DSA(71)	610-0076-9-71	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3B -40PA-2.54DSA(71)	610-0077-1-71	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3B -50PA-2.54DSA(71)	610-0078-4-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7			
★	HIF3B -60PA-2.54DSA(71)	610-0079-7-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4			
★	HIF3B -64PA-2.54DSA(71)	610-0080-6-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5			

The products marked with ★ comply with MIL standard.

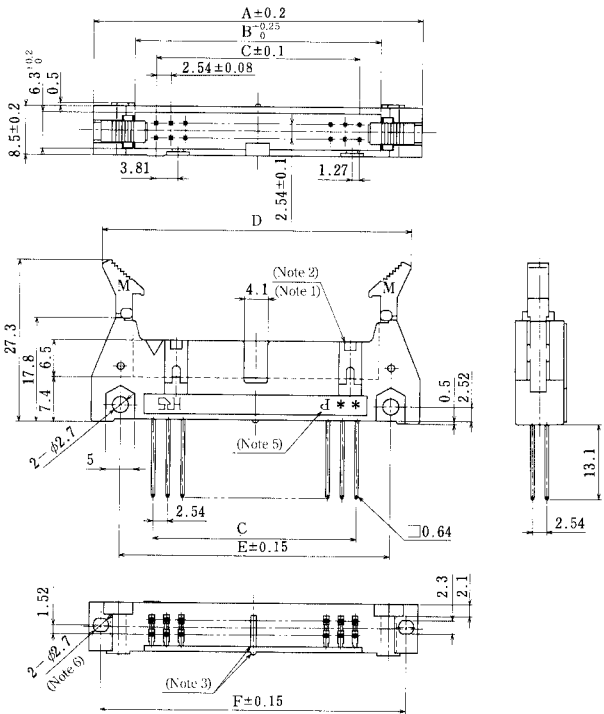
■Four Wall Wrapping Type



◆PCB mounting pattern



■n=number of contacts



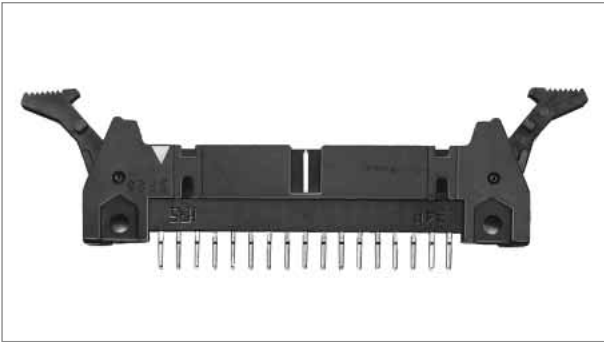
- Note 1, Note 2. The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.
- Note 3. The spacer moves to the right according to the number of contacts.
- Note 4. The 10, 50, 60 and 64 contact connectors consists of two types. Use products, confirming (Note 1) (Note 2).
- Note 5. The mark * indicates the number of contacts.
- Note 6. The nut built-in specification product is also provided. The product can be fixed by M2 screws from the rear side. Use the screw of (board thickness) +4 mm under the neck.

Unit:mm

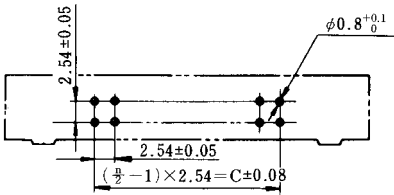
	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3BA-10P-2.54W	610-0503-8	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3BD-10P-2.54W	610-0492-3	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	One at center	None	
★	HIF3BA-14P-2.54W	610-0493-6	14	37.1	22.6	15.24	33.24 MAX56.2	26.9	33.0		One on right side	
★	HIF3BA-16P-2.54W	610-0494-9	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5		One on right and left sides, resp.	
★	HIF3BA-20P-2.54W	610-0495-1	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3BA-26P-2.54W	610-0496-4	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3BA-30P-2.54W	610-0497-7	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3BA-34P-2.54W	610-0498-0	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3BA-40P-2.54W	610-0499-2	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3BA-50P-2.54W	610-0504-0	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One on right and left sides, resp.		
★	HIF3BB-50P-2.54W	610-0500-0	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One at center		
★	HIF3BA-60P-2.54W	610-0505-3	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One on right and left sides, resp.		
★	HIF3BB-60P-2.54W	610-0501-2	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center		
★	HIF3BA-64P-2.54W	610-0506-6	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One on right and left sides, resp.		
★	HIF3BB-64P-2.54W	610-0502-5	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One at center		

The products marked with ★ comply with MIL standard.

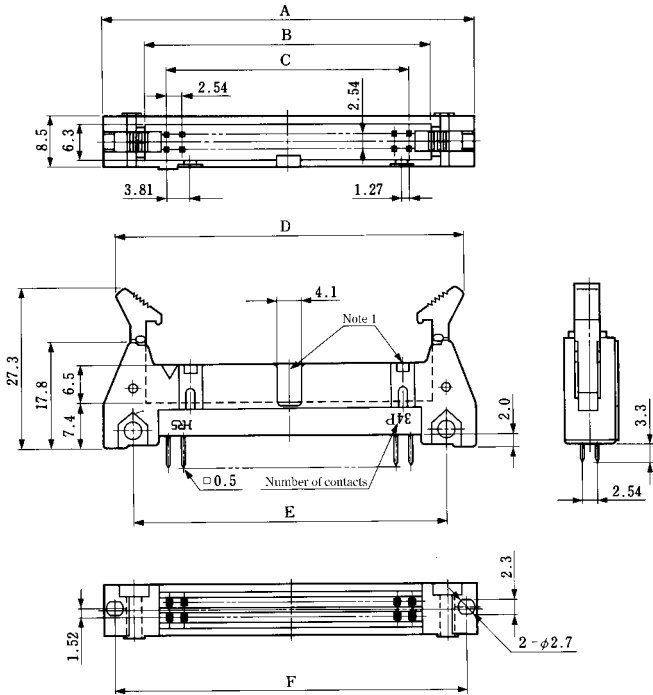
■Four Wall Straight Through hole
[Flux Blister Prevention Type]



◆PCB mounting pattern



■n=number of contacts



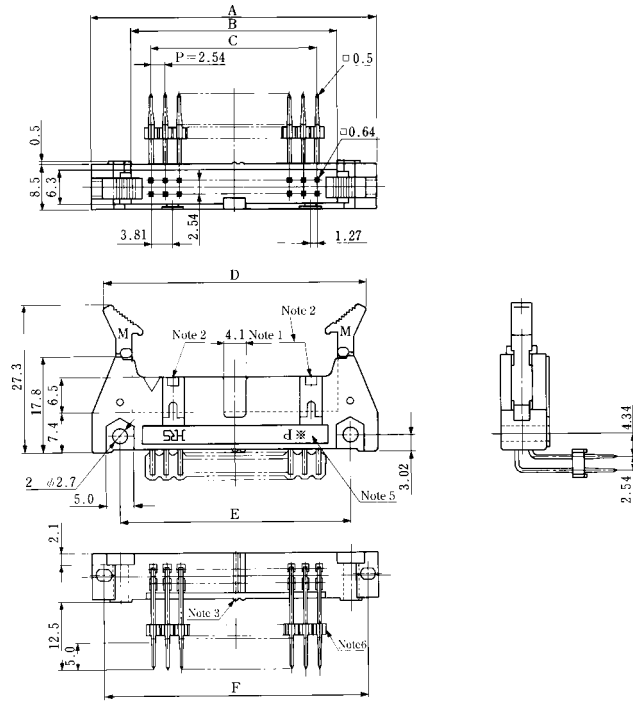
Note1: The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.

Unit:mm

	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot	Polarizing Key Install	RoHS
★	HIF3CA-10PA-2.54DSA(71)	610-0701-1-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3CD-10PA-2.54DSA(71)	610-0722-1-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None	
★	HIF3CA-16PA-2.54DSA(71)	610-0703-7-71	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5			
★	HIF3CA-20PA-2.54DSA(71)	610-0704-0-71	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3CA-26PA-2.54DSA(71)	610-0705-2-71	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3	One at center		
★	HIF3CA-30PA-2.54DSA(71)	610-0706-5-71	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3CA-34PA-2.54DSA(71)	610-0707-8-71	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3CA-40PA-2.54DSA(71)	610-0708-0-71	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3CA-50PA-2.54DSA(71)	610-0709-3-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One on right and left sides, resp.		
★	HIF3CB-50PA-2.54DSA(71)	610-0721-9-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7			
★	HIF3CB-60PA-2.54DSA(71)	610-0723-4-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center		
★	HIF3CB-64PA-2.54DSA(71)	610-0724-7-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5			

The products marked with ★ comply with MIL standard.

■Two Stage Staking Right Angle Through hole



Note 1, Note 2: The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.

Note 3: The spacer moves to the right according to the number of contacts.

Note 4: The 10, 50, 60 and 64 contact connectors consists of two types.

Use products, confirming (Note 1) (Note 2).

Note 5: The mark * indicates the number of contacts.

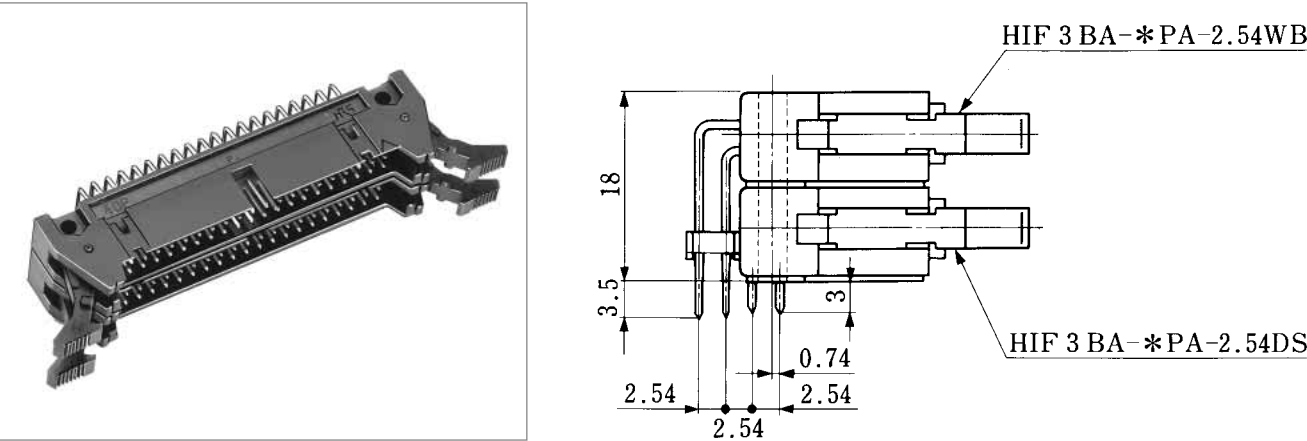
Note 6: The locator is located optionally.

Unit:mm

	Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3BA-10PA-2.54WB(71)	610-1502-0-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3BD-10PA-2.54WB(71)	610-1503-3-71	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	One at center	None	
★	HIF3BA-16PA-2.54WB(71)	610-1505-9-71	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5			
★	HIF3BA-20PA-2.54WB(71)	610-1506-1-71	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3BA-26PA-2.54WB(71)	610-1507-4-71	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3BA-30PA-2.54WB(71)	610-1508-7-71	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3BA-34PA-2.54WB(71)	610-1509-0-71	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3BA-40PA-2.54WB(71)	610-1510-9-71	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3BA-50PA-2.54WB(71)	610-1511-1-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One on right and left sides, resp.		
★	HIF3BB-50PA-2.54WB(71)	610-1512-4-71	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One at center		
★	HIF3BA-60PA-2.54WB(71)	610-1513-7-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One on right and left sides, resp.		
★	HIF3BB-60PA-2.54WB(71)	610-1514-0-71	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center		
★	HIF3BA-64PA-2.54WB(71)	610-1515-2-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One on right and left sides, resp.		
★	HIF3BB-64PA-2.54WB(71)	610-1516-5-71	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One at center		

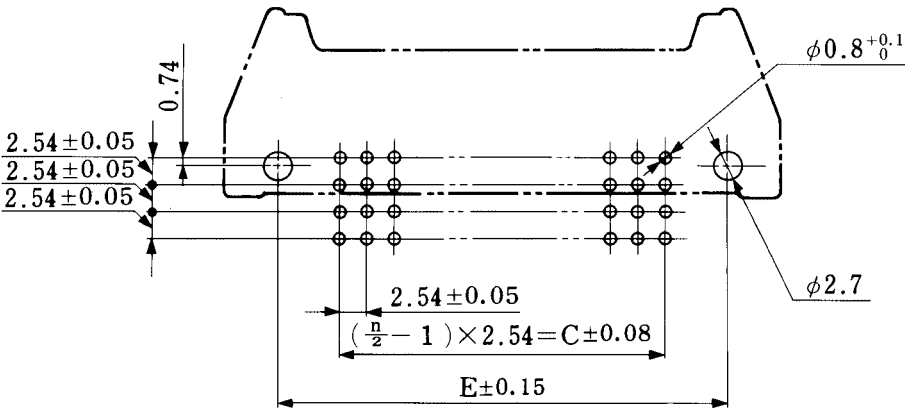
The products marked with ★ comply with MIL standard.

◆Combination Pattern

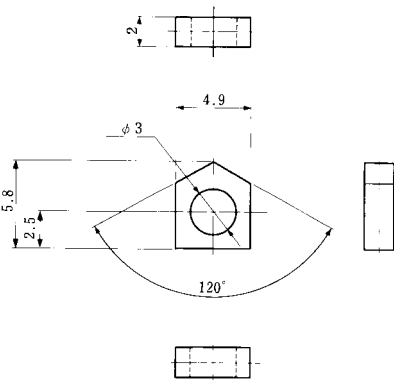


Note : Fix the HIF3-mounting hole spacer by screws between upper stage and lower stage connectors.

◆PCB mounting pattern



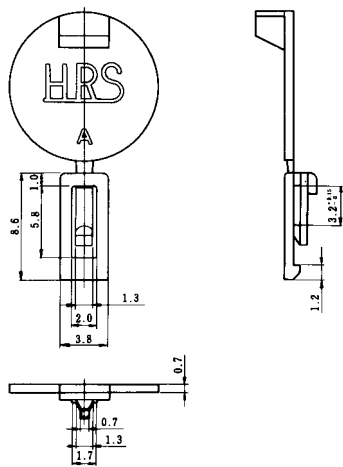
■Mounting Hole Spacer



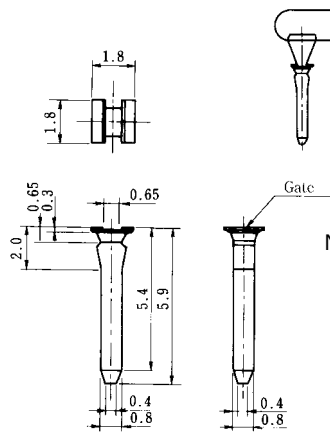
Part Number	CL No.	Finish	RoHS
HIF-3 mounting hole spacer	562-0714-4	PBT Black	YES

Note : 2 pieces are contained in a bag.

◆Polarizing Key



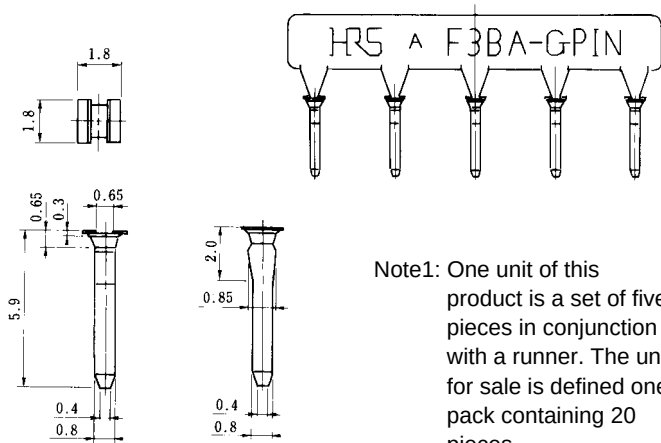
HIF3-GPIN(A)



Note1: One unit of this product is a set of five pieces in conjunction with a runner. The unit for sale is defined one pack containing 20 pieces.

Note2: This product is applicable to HIF3A-*D2.54R, HIF3C-*D2.54C and HIF3BA-*D2.54C products.

HIF3BA-GPIN



Note1: One unit of this product is a set of five pieces in conjunction with a runner. The unit for sale is defined one pack containing 20 pieces.

Note2: This product is applicable to the HIF3BA-*D2.54R product.

Part Number	CL No.	Material	Remarks	RoHS
HIF3-GPIN(A)	562-0126-6	Poly acetal (white)	A set of 5 pieces	YES

Part Number	CL No.	Material	Remarks	RoHS
HIF3BA-GPIN	612-0500-2	Poly acetal (white)	A set of 5 pieces	YES

◆HIF3-Multi Clamp



This clamp is used for intermediate connection in the bus-line system, etc. Remove compulsory force from the insulation displacement area of the connector in intermediate connection.

Note: The pin header corresponds to the HIF3BAE series (lock E).

◆HIF3-*CL Pull Tab



This pull tab is used for the HIF3 series equipped with cable clamp function. Remove all compulsory force, which is loaded on the insulation displacement area of the connector for extraction.

Note: This HIF3-* Pull Tab can not be used for HIF3BA-*PD.

Note: The pin header corresponds to the HIF3BAE series (lock E).

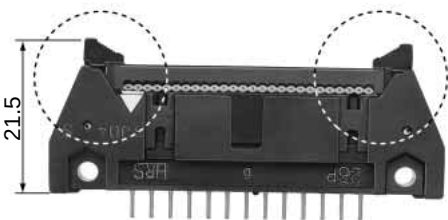


◆Lock

●Low Profile Lock Pin Header

Lock G

Part Number : HIF3BAG-**PA-2.54DSA(71)

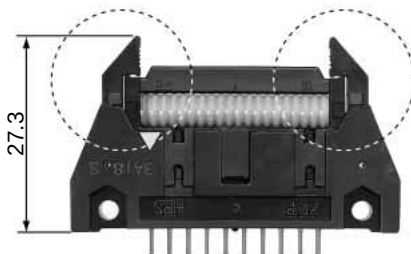


- Low profile type, and used for lock ejection. Connector height is reduced. Since no connector clamp is needed on the cable side, this is used without turning back on the cable side. Take care about this point.

●F Type Lock Pin Header

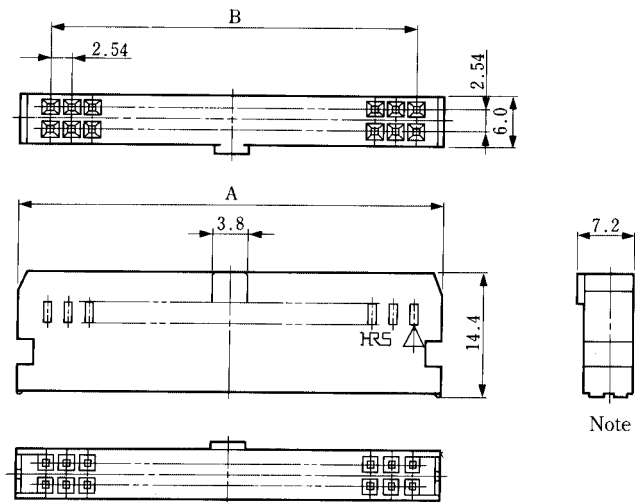
Lock F

Part Number : HIF3BAG-**PA-2.54DSA(71)



- Locking range more reduced than conventional lock type. Even if connectors are aligned laterally, the mounting space is reduced. Note : The clamp must be replaced for HIF3A socket type 60 contacts only. Take care about this point.

■Socket for Crimping

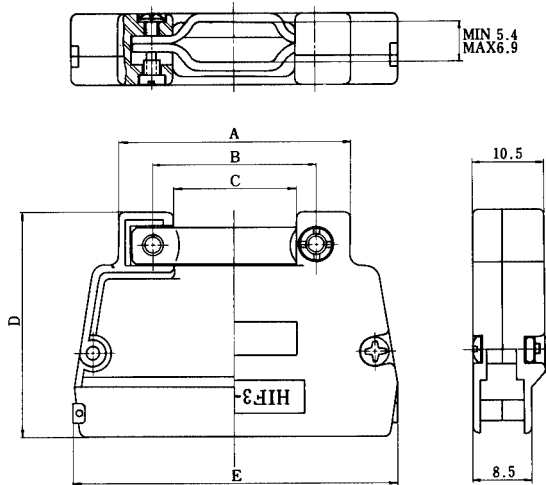


Unit: mm

Part Number	CL No.	Number of Contacts	A	B	Polarizing Guide	RoHS
HIF3BA-10D-2.54C	610-1041-0	10	17.25	10.16	One at center	YES
HIF3BA-14D-2.54C	610-1051-3	14	22.35	15.24		
HIF3BA-16D-2.54C	610-1042-2	16	24.8	17.78		
HIF3BA-20D-2.54C	610-1043-5	20	29.95	22.86		
HIF3BA-26D-2.54C	610-1044-8	26	37.55	30.48		
HIF3BA-30D-2.54C	610-1045-0	30	42.63	35.56		
HIF3BA-34D-2.54C	610-1046-3	34	47.75	40.64		
HIF3BA-40D-2.54C	610-1047-6	40	55.35	48.26		
HIF3BA-50D-2.54C	610-1048-9	50	68.04	60.96	One right and left side, resp.	
HIF3BB-50D-2.54C	610-1061-7				One at center	
HIF3BA-60D-2.54C	610-1049-1	60	80.77	73.66	One right and left side, resp.	
HIF3BB-60D-2.54C	610-1062-0				One at center	
HIF3BA-64D-2.54C	610-1064-5	64	85.85	78.74	One right and left side, resp.	
HIF3BB-64D-2.54C	610-1063-2				One at center	

Note: Some variations may differ from those in above figures.

■Cover Case for Crimping socket



Unit: mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	RoHS
HIF3-20CV(71)	562-0201-0-71	20	24.5	18.0	12.0	30.5	29.95	YES
HIF3-26CV(71)	562-0202-2-71	26	30.2	20.0	14.0	32.0	37.55	
HIF3-30CV(71)	562-0203-5-71	30	32.2	22.0	16.0	33.0	42.63	
HIF3-34CV(71)	562-0204-8-71	34	34.2	24.0	18.0	33.5	47.75	
HIF3-40CV(71)	562-0205-0-71	40	36.2	26.0	20.0	35.5	55.35	
HIF3-50CV(71)	562-0206-3-71	50	39.2	29.0	23.0	38.0	68.04	
HIF3-60CV(71)	562-0207-6-71	60	42.2	32.0	26.0	40.5	80.77	

Note 1: The type F lock pin header cannot be used for a mating member.

Note 2: Note that the product cannot be used with AWG #20.

Applicable jacket diameters are as described below.

20 contacts: 1.7 mm diameter MAX

26 to 40 contacts: 1.6 mm diameter MAX

50 to 60 contacts: 1.4 mm diameter MAX

[illegible]

The technical drawing consists of three main views and two section details:

- Front View (Left):** Shows the vertical profile of the part. Dimensions include a total height of 12, a base width of 1.1, a central opening width of 0.8, a shoulder width of 3.2, a flange thickness of 5.0, and a top flange width of 6.0. Small features at the top have widths of 1.8 and 2.4.
- Top View (Bottom):** Shows the plan view of the part. It is a circular shape with a diameter of 3.0. There are two concentric circles with diameters of 1.5 and 1.5. The overall width of the mounting base is 8.0.
- Side View (Right):** Shows the profile of the part from the side. It has a total width of 1.6. The bottom flange has a radius of 2.0. The central opening has a width of 2.25. The top flange has a width of 1.0 and a thickness of 1.5.
- Section A-A' (Top Right):** A cross-section through the top flange, showing a U-shaped profile with a width of 1.0 and a thickness of 1.5.
- Section B-B' (Middle Right):** A cross-section through the central opening, showing a U-shaped profile with a width of 2.0 and a thickness of 2.25.

Technical drawing of a mechanical part, showing a side view and two cross-sections (A-A and B-B).

Side View Dimensions:

- Top width: 2.4
- Top width (inner): 1.8
- Height from top to first step: 5.0
- Height from top to second step: 6.0
- Height of first step: 0.9
- Height of second step: 2.5
- Height of third step: 1.1
- Height of fourth step: 1.0
- Height of fifth step: 1.1
- Height of sixth step: 1.5
- Height of seventh step: 3.0
- Height of eighth step: 1.5

Cross-Section A-A:

- Top width: 1.6
- Height: 1.5

Cross-Section B-B:

- Top width: 2.2
- Height: 2.4

Other Dimensions:

- Height from top to first step: 11.5
- Height of first step: 1.6
- Height of second step: 1.1
- Height of third step: 1.0
- Height of fourth step: 1.1
- Height of fifth step: 1.5
- Height of sixth step: 3.0
- Height of seventh step: 1.5
- Height of eighth step: 1.1
- Height of ninth step: 1.0
- Height of tenth step: 1.1
- Height of eleventh step: 1.5
- Height of twelfth step: 3.0
- Height of thirteenth step: 1.5
- Height of fourteenth step: 1.1
- Height of fifteenth step: 1.0
- Height of sixteenth step: 1.1
- Height of seventeenth step: 1.5
- Height of eighteenth step: 3.0
- Height of nineteenth step: 1.5
- Height of twentieth step: 1.1
- Height of twenty-first step: 1.0
- Height of twenty-second step: 1.1
- Height of twenty-third step: 1.5
- Height of twenty-fourth step: 3.0
- Height of twenty-fifth step: 1.5
- Height of twenty-sixth step: 1.1
- Height of twenty-seventh step: 1.0
- Height of twenty-eighth step: 1.1
- Height of twenty-ninth step: 1.5
- Height of thirtieth step: 3.0
- Height of thirty-first step: 1.5
- Height of thirty-second step: 1.1
- Height of thirty-third step: 1.0
- Height of thirty-fourth step: 1.1
- Height of thirty-fifth step: 1.5
- Height of thirty-sixth step: 3.0
- Height of thirty-seventh step: 1.5
- Height of thirty-eighth step: 1.1
- Height of thirty-ninth step: 1.0
- Height of fortieth step: 1.1
- Height of forty-first step: 1.5
- Height of forty-second step: 3.0
- Height of forty-third step: 1.5
- Height of forty-fourth step: 1.1
- Height of forty-fifth step: 1.0
- Height of forty-sixth step: 1.1
- Height of forty-seventh step: 1.5
- Height of forty-eighth step: 3.0
- Height of forty-ninth step: 1.5
- Height of fiftieth step: 1.1
- Height of fifty-first step: 1.0
- Height of fifty-second step: 1.1
- Height of fifty-third step: 1.5
- Height of fifty-fourth step: 3.0
- Height of fifty-fifth step: 1.5
- Height of fifty-sixth step: 1.1
- Height of fifty-seventh step: 1.0
- Height of fifty-eighth step: 1.1
- Height of fifty-ninth step: 1.5
- Height of sixtieth step: 3.0
- Height of sixty-first step: 1.5
- Height of sixty-second step: 1.1
- Height of sixty-third step: 1.0
- Height of sixty-fourth step: 1.1
- Height of sixty-fifth step: 1.5
- Height of sixty-sixth step: 3.0
- Height of sixty-seventh step: 1.5
- Height of sixty-eighth step: 1.1
- Height of sixty-ninth step: 1.0
- Height of seventieth step: 1.1
- Height of seventy-first step: 1.5
- Height of seventy-second step: 3.0
- Height of seventy-third step: 1.5
- Height of seventy-fourth step: 1.1
- Height of seventy-fifth step: 1.0
- Height of seventy-sixth step: 1.1
- Height of seventy-seventh step: 1.5
- Height of seventy-eighth step: 3.0
- Height of seventy-ninth step: 1.5
- Height of eightieth step: 1.1
- Height of eighty-first step: 1.0
- Height of eighty-second step: 1.1
- Height of eighty-third step: 1.5
- Height of eighty-fourth step: 3.0
- Height of eighty-fifth step: 1.5
- Height of eighty-sixth step: 1.1
- Height of eighty-seventh step: 1.0
- Height of eighty-eighth step: 1.1
- Height of eighty-ninth step: 1.5
- Height of ninetieth step: 3.0
- Height of ninety-first step: 1.5
- Height of ninety-second step: 1.1
- Height of ninety-third step: 1.0
- Height of ninety-fourth step: 1.1
- Height of ninety-fifth step: 1.5
- Height of ninety-sixth step: 3.0
- Height of ninety-seventh step: 1.5
- Height of ninety-eighth step: 1.1
- Height of ninety-ninth step: 1.0
- Height of one hundredth step: 1.1
- Height of one hundred and first step: 1.5
- Height of one hundred and second step: 3.0
- Height of one hundred and third step: 1.5
- Height of one hundred and fourth step: 1.1
- Height of one hundred and fifth step: 1.0
- Height of one hundred and sixth step: 1.1
- Height of one hundred and seventh step: 1.5
- Height of one hundred and eighth step: 3.0
- Height of one hundred and ninth step: 1.5
- Height of one hundred and tenth step: 1.1
- Height of one hundred and eleventh step: 1.0
- Height of one hundred and twelfth step: 1.1
- Height of one hundred and thirteenth step: 1.5
- Height of one hundred and fourteenth step: 3.0
- Height of one hundred and fifteenth step: 1.5
- Height of one hundred and sixteenth step: 1.1
- Height of one hundred and seventeenth step: 1.0
- Height of one hundred and eighteenth step: 1.1
- Height of one hundred and nineteenth step: 1.5
- Height of one hundred and twentieth step: 3.0
- Height of one hundred and twenty-first step: 1.5
- Height of one hundred and twenty-second step: 1.1
- Height of one hundred and twenty-third step: 1.0
- Height of one hundred and twenty-fourth step: 1.1
- Height of one hundred and twenty-fifth step: 1.5
- Height of one hundred and twenty-sixth step: 3.0
- Height of one hundred and twenty-seventh step: 1.5
- Height of one hundred and twenty-eighth step: 1.1
- Height of one hundred and twenty-ninth step: 1.0
- Height of one hundred and thirtieth step: 1.1
- Height of one hundred and thirty-first step: 1.5
- Height of one hundred and thirty-second step: 3.0
- Height of one hundred and thirty-third step: 1.5
- Height of one hundred and thirty-fourth step: 1.1
- Height of one hundred and thirty-fifth step: 1.0
- Height of one hundred and thirty-sixth step: 1.1
- Height of one hundred and thirty-seventh step: 1.5
- Height of one hundred and thirty-eighth step: 3.0
- Height of one hundred and thirty-ninth step: 1.5
- Height of one hundred and fortieth step: 1.1
- Height of one hundred and forty-first step: 1.0
- Height of one hundred and forty-second step: 1.1
- Height of one hundred and forty-third step: 1.5
- Height of one hundred and forty-fourth step: 3.0
- Height of one hundred and forty-fifth step: 1.5
- Height of one hundred and forty-sixth step: 1.1
- Height of one hundred and forty-seventh step: 1.0
- Height of one hundred and forty-eighth step: 1.1
- Height of one hundred and forty-ninth step: 1.5
- Height of one hundred and fiftieth step: 3.0
- Height of one hundred and fifty-first step: 1.5
- Height of one hundred and fifty-second step: 1.1
- Height of one hundred and fifty-third step: 1.0
- Height of one hundred and fifty-fourth step: 1.1
- Height of one hundred and fifty-fifth step: 1.5
- Height of one hundred and fifty-sixth step: 3.0
- Height of one hundred and fifty-seventh step: 1.5
- Height of one hundred and fifty-eighth step: 1.1
- Height of one hundred and fifty-ninth step: 1.0
- Height of one hundred and sixtieth step: 1.1
- Height of one hundred and sixty-first step: 1.5
- Height of one hundred and sixty-second step: 3.0
- Height of one hundred and sixty-third step: 1.5
- Height of one hundred and sixty-fourth step: 1.1
- Height of one hundred and sixty-fifth step: 1.0
- Height of one hundred and sixty-sixth step: 1.1
- Height of one hundred and sixty-seventh step: 1.5
- Height of one hundred and sixty-eighth step: 3.0
- Height of one hundred and sixty-ninth step: 1.5
- Height of one hundred and seventieth step: 1.1
- Height of one hundred and seventy-first step: 1.0
- Height of one hundred and seventy-second step: 1.1
- Height of one hundred and seventy-third step: 1.5
- Height of one hundred and seventy-fourth step: 3.0
- Height of one hundred and seventy-fifth step: 1.5
- Height of one hundred and seventy-sixth step: 1.1
- Height of one hundred and seventy-seventh step: 1.0
- Height of one hundred and seventy-eighth step: 1.1
- Height of one hundred and seventy-ninth step: 1.5
- Height of one hundred and eightieth step: 3.0
- Height of one hundred and eighty-first step: 1.5
- Height of one hundred and eighty-second step: 1.1
- Height of one hundred and eighty-third step: 1.0
- Height of one hundred and eighty-fourth step: 1.1
- Height of one hundred and eighty-fifth step: 1.5
- Height of one hundred and eighty-sixth step: 3.0
- Height of one hundred and eighty-seventh step: 1.5
- Height of one hundred and eighty-eighth step: 1.1
- Height of one hundred and eighty-ninth step: 1.0
- Height of one hundred and ninetieth step: 1.1
- Height of one hundred and ninety-first step: 1.5
- Height of one hundred and ninety-second step: 3.0
- Height of one hundred and ninety-third step: 1.5
- Height of one hundred and ninety-fourth step: 1.1
- Height of one hundred and ninety-fifth step: 1.0
- Height of one hundred and ninety-sixth step: 1.1
- Height of one hundred and ninety-seventh step: 1.5
- Height of one hundred and ninety-eighth step: 3.0
- Height of one hundred and ninety-ninth step: 1.5
- Height of one hundred and one hundredth step: 1.1
- Height of one hundred and one hundred and first step: 1.0
- Height of one hundred and one hundred and second step: 1.1
- Height of one hundred and one hundred and third step: 1.5
- Height of one hundred and one hundred and fourth step: 3.0
- Height of one hundred and one hundred and fifth step: 1.5
- Height of one hundred and one hundred and sixth step: 1.1
- Height of one

* HIF3-2226SCFA	562-0245-5	Selective gold plated contact in reel
Applicable cable	AWG#22 to #26 UL 1007 Stranded wire	

Note:* products have both side careers.

Technical drawings of a mechanical part, showing a side view and two cross-sections (A-A and B-B). The side view includes dimensions: 1.6, 1.3, 2.4, 1.8, 4.9, 1.5, 0.8, 2.4, 3.8, and 2. The cross-section A-A shows a U-shaped profile with dimensions C and D. The cross-section B-B shows a U-shaped profile with dimensions E and F.

Part Number	CL No.	Applicable Cable	A	B	C	D	E	F	RoHS
HIF3-2226SCFC	613-0002-1	AWG#22 to #26 UL 1007 Stranded wire	11.5	0.8	1.8	1.8	2.3	2.6	YES
HIF3-2630SCFC	613-0001-9	AWG#26 to #30 UL 1007 Stranded wire	11.5	0.8	1.4	1.35	2.0	2.1	
HIF3A-3236SCFC	613-0005-0	AWG#32 to #36 UL 1007 Stranded wire	12.4	1.7	1.1	1.1	1.4	1.5	

◆Tools

●Crimping Tool



Manual Crimping Tool HIF3-T2226HC

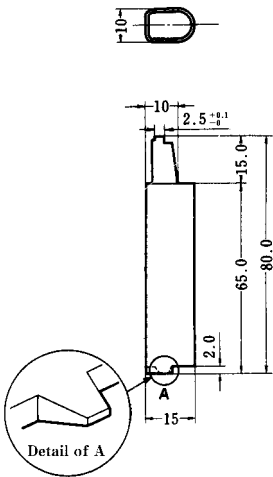
Part Number	CL No.
HIF3-T2226HC	550-0063-8

●Automatic Crimping Tool (Type: CM-105)



Part Number	CL No.
CM-105	901-0005-4

●Contact Extraction Tools



Part Number	CL No.
HIF1-PO	550-0049-7

How to use the extraction tool

(1) How to extract contacts

As shown in Figure 1, where the extraction tool is inserted in the lance fixed slot on the insulated case, slightly pull the cable, and the contact can be removed.

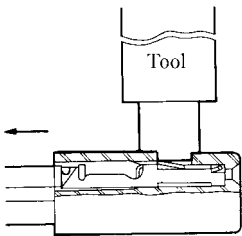


Figure 1

(2) How to adjust the lance (raise)

In order to re-insert the contact removed from the insulated case, raise the contact lance area using the tool A, and re-insert the contact, as shown in Figure 2.

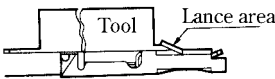


Figure 2

Type	Item	Part Number	CL No.	Applicable Contact	Applicable Cable
Manual	Manual crimping tool	HIF3-T2226HC	550-0063-8	HIF3-2226SC HIF3-2226SCA	AWG#22 to #26
		HIF3-TA2428HC	550-0100-2	HIF3-2428SC HIF3-2428SCA	AWG#24 to #28
		HIF3-TA2022HC	550-0124-0	HIF3-2022SC	AWG#20 to #22
		HIF3-TB2226HC	550-0154-1	HIF3-2226SCC	AWG#22 to #26
		HIF3-TB2630HC	550-0155-4	HIF3-2630SCC	AWG#26 to #30
Automatic	Automatic crimping tool unit	CM-105	901-0005-4	—————	—————
	Applicator	AP105-HIF3-22-28SCF (Note1)	901-4031-6	HIF3-2226SCF HIF3-2428SCF	AWG#22 to #26 AWG#24 to #28
		AP105-HIF3-22-28SCFA (Note1)	901-4030-3	HIF3-2226SCFA HIF3-2428SCFA	AWG#22 to #26 AWG#24 to #28
		AP105-HIF3-2022S	901-4027-9	HIF3-2022SCF	AWG#20 to #22
		AP105-HIF3-2226SCFC	901-4005-6	HIF3-2226SCFC	AWG#22 to #26
		AP105-HIF3-2630SCFC	901-4006-9	HIF3-2630SCFC	AWG#26 to #30
		AP105-HIF3-3236SCFC	901-4007-1	HIF3-3236SCFC	AWG#32 to #36
	Extraction tool	HIF1-PO	550-0049-7	—————	—————

Note1: AP106-HIF3-22-28SCF and AP105-HIF3-22-28CFA can be modified by changing a few parts.

◆Socket Side (Crimping) Assembling Procedures

- (1) As shown in Figure 1, peel the applicable cable (AWG#20 to #26) jacket, and connect it using crimping jig HIF3-TA2022HC, HIF3-TA2226HC, or HIF3-TA2426HC. In this case, insert the cable so as to hit the contact cable stripper position as shown Figure 2.
- (2) After connection as shown Figure 2, check the contact direction, and insert the contact as shown Figures 3 and 4. Slightly pull the cable, and check whether the contact lance position is firmly fixed to the insulation case, as shown in the area (A).

Note1 : For handling procedures for special crimping tools, refer to the "Handling Instruction Manual".

Note2 : Wire strip length: Refer to crimp condition sheet.

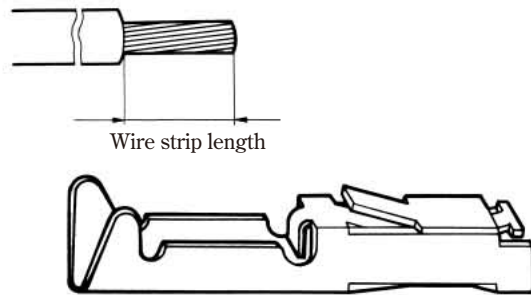


Figure 1

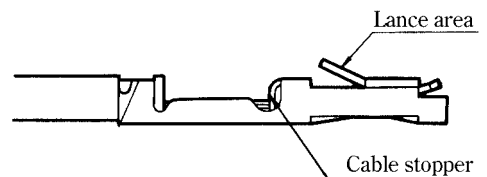


Figure 2

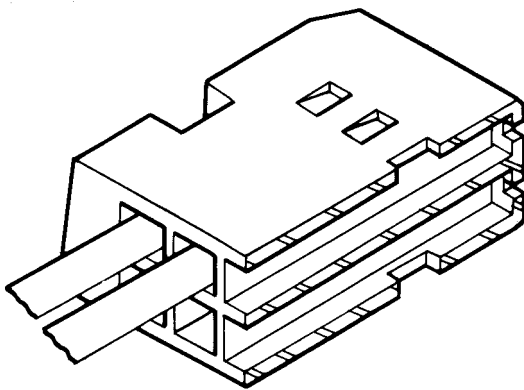


Figure 3

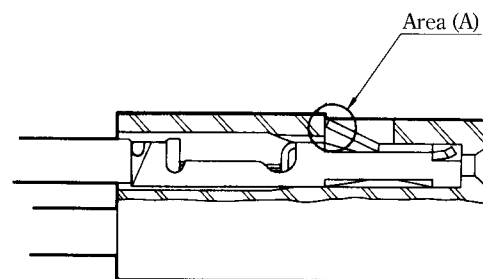
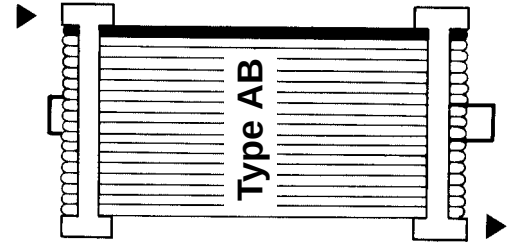
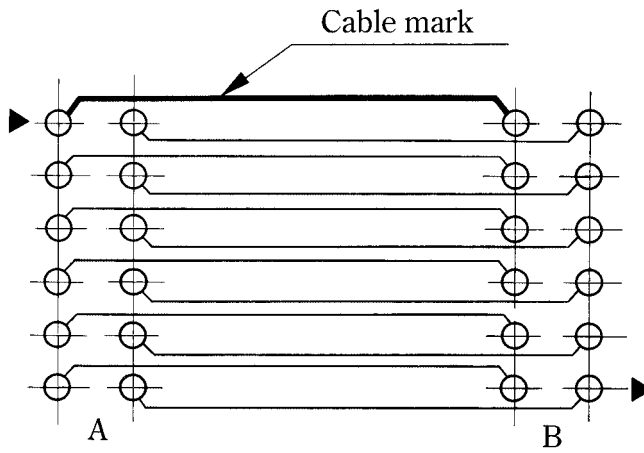


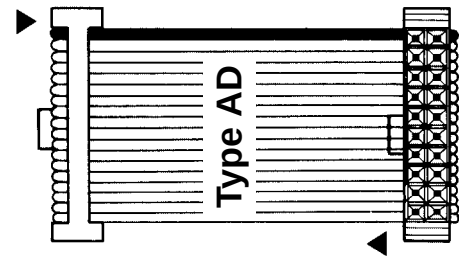
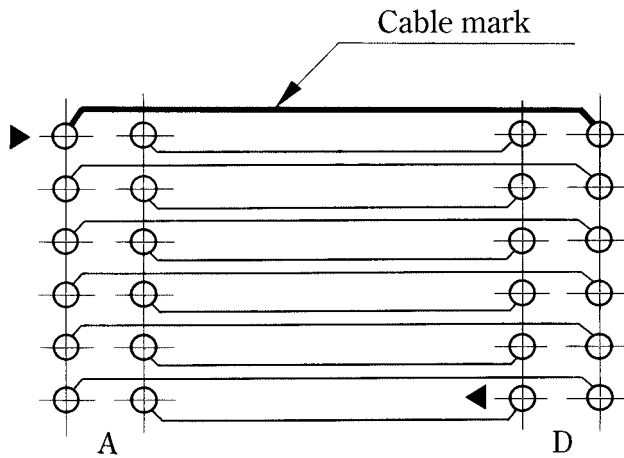
Figure 4

HIF3B Connection Circuit Diagram

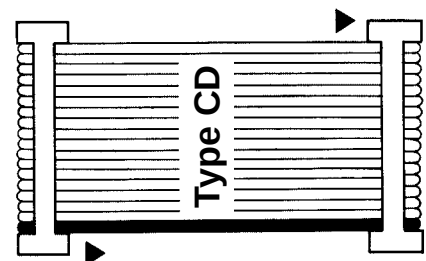
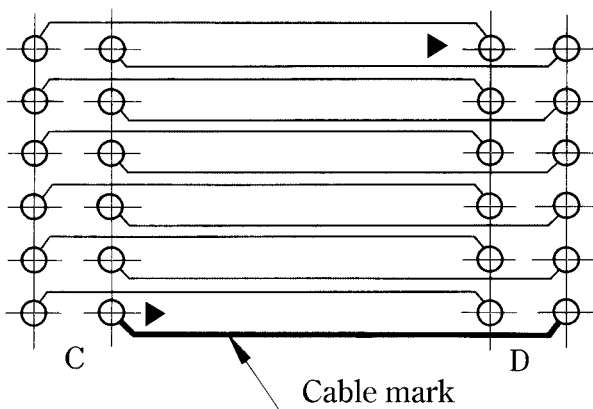
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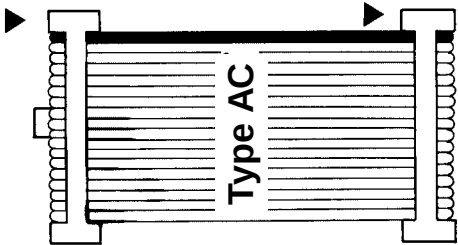
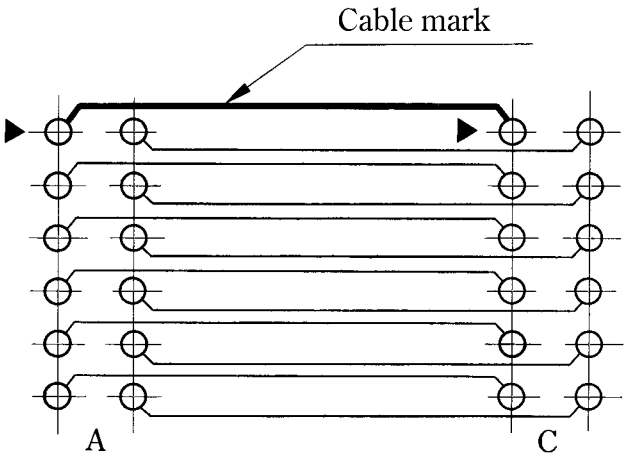
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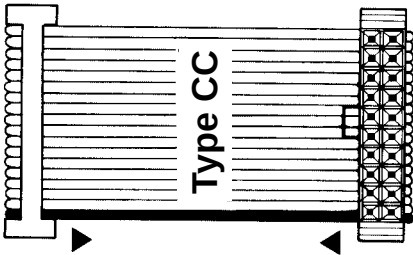
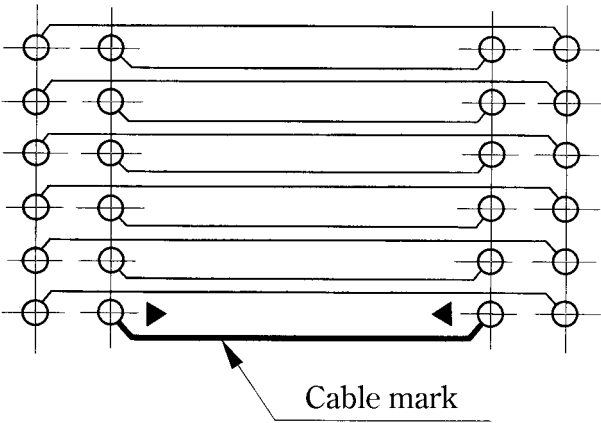
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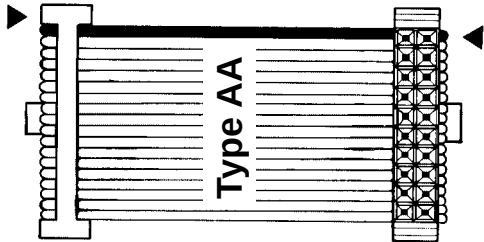
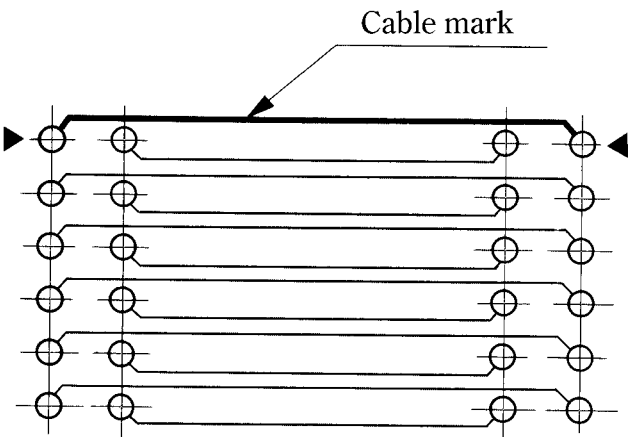
Type AC



Type CC

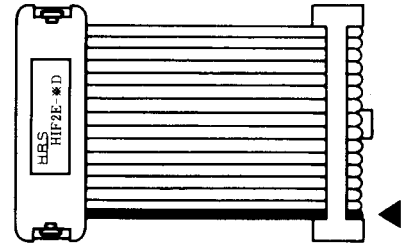
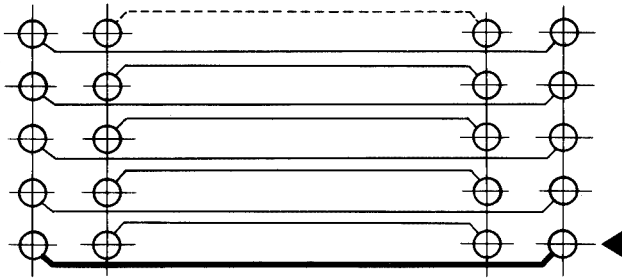


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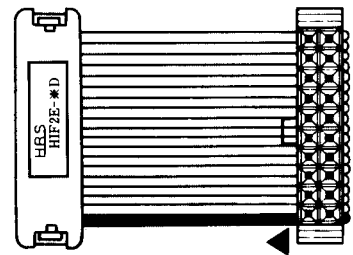
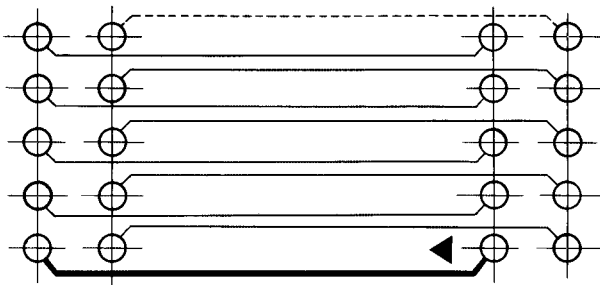


HIF2E R(S) A to HIF3B Connection Circuit Diagram

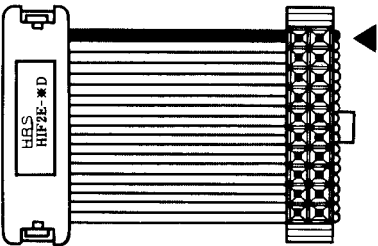
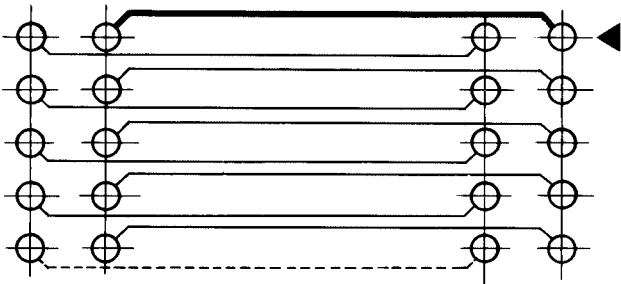
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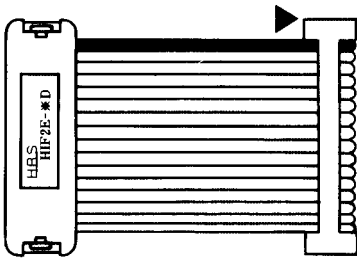
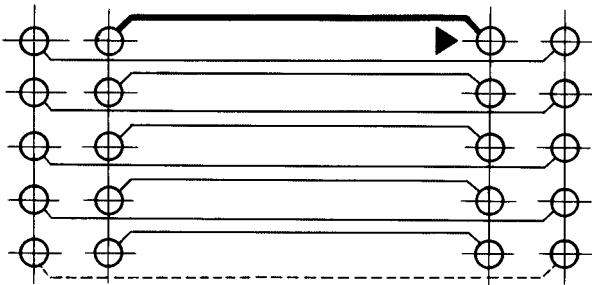
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Type BA

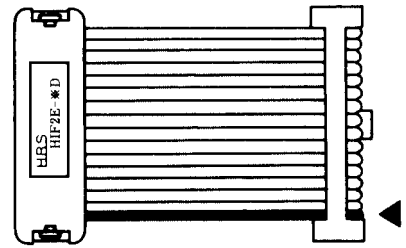
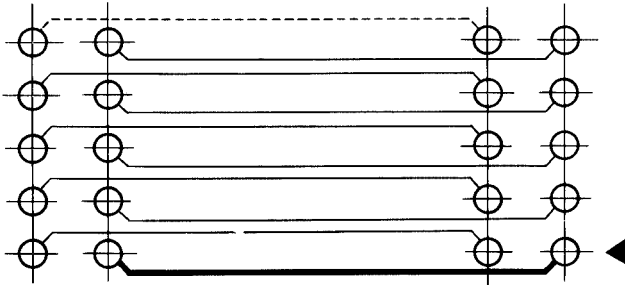


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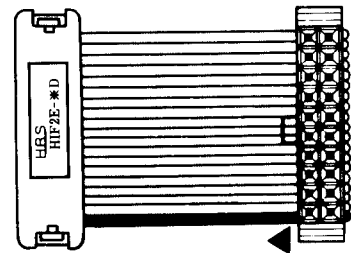
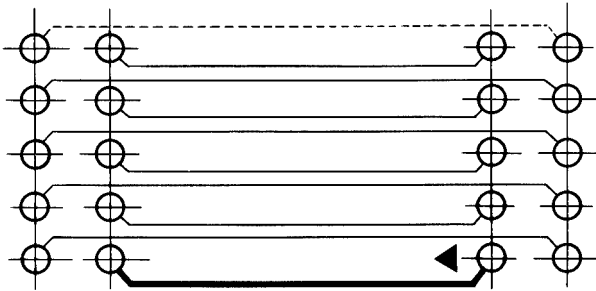


HIF2E R(S)B to HIF3 Connection Circuit Diagram

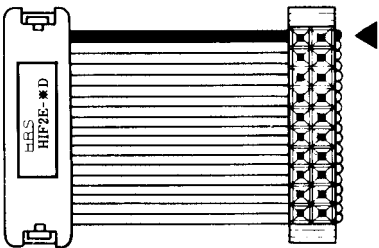
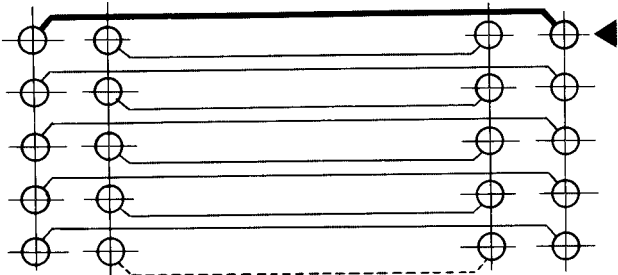
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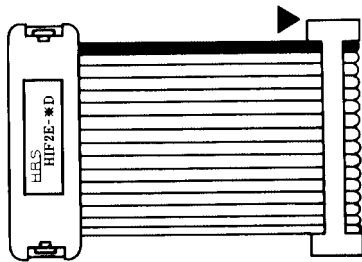
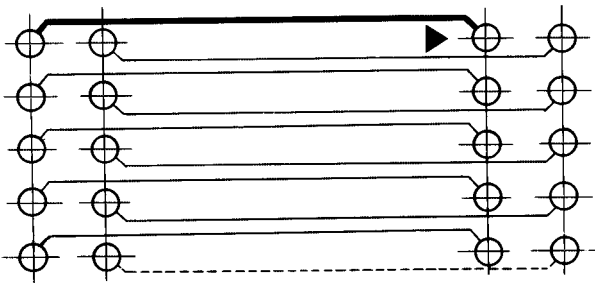
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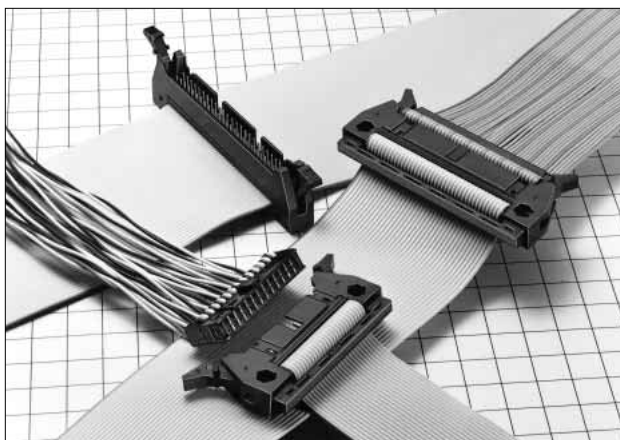
Type BA



Type BC



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	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.	(-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: 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

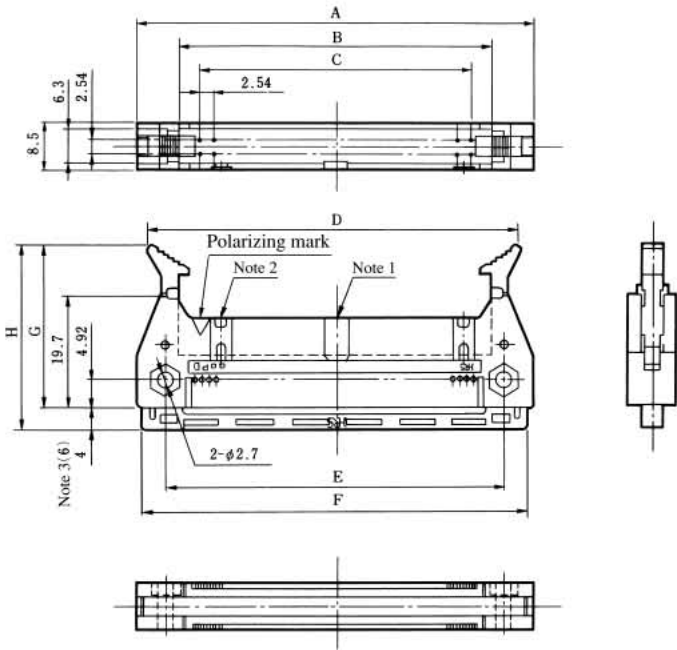
Part	Material	Finish	Remarks
Insulator	PBT	Black	UL94V-0
Plug Contact	Beryllium copper	Gold plated over nickel underplated	——

■Ordering Information

HIF3BA - * P D - 2.54 R - MC

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.
Note 4: The HIF3BAE-60PD-2.54R-MC product partially differs in a locking form, and the mating member is applicable for HIF3A only.

Unit:mm

Part Number	CL No.	Number of Contacts	A	B	C	D	E	F	G	H	Polarizing slot	RoHS	
HIF3BD -10PD-2.54R-MC	611-0031-7	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	611-0032-0	16	39.60	25.10	17.78	35.74 MAX58.7	29.50	37.75					
HIF3BA -20PD-2.54R-MC	611-0033-2	20	44.68	30.18	22.86	40.84 MAX63.8	34.58	42.83					
HIF3BA -26PD-2.54R-MC	611-0034-5	26	52.30	37.80	30.48	48.44 MAX71.4	42.20	50.45					
HIF3BA -30PD-2.54R-MC	611-0035-8	30	57.38	42.88	35.56	53.54 MAX76.5	47.28	55.53					
HIF3BA -34PD-2.54R-MC	611-0036-0	34	62.46	47.96	40.64	58.64 MAX81.6	52.36	60.61					
HIF3BA -40PD-2.54R-MC	611-0037-3	40	70.08	55.58	48.26	66.24 MAX89.2	59.98	68.23					
HIF3BA -50PD-2.54R-MC	611-0038-6	50	82.78	68.28	60.96	78.94	72.68	80.93					One on right and left sides, resp.
HIF3BB -50PD-2.54R-MC	611-0041-0	50				MAX101.9							One at center
HIF3BA -60PD-2.54R-MC	611-0039-9	60	95.48	80.98	73.66	91.64	85.38	93.63	31.2	37.2	One on right and left sides, resp.		
HIF3BB -60PD-2.54R-MC	611-0042-3	60				MAX114.6					One at center		
HIF3BAE-60PD-2.54R-MC	611-0059-6	60				91.7 MAX121.3					One on right and left sides, resp.		
HIF3BA -64PD-2.54R-MC	611-0040-8	64				100.56	86.06	78.74	96.74	90.46	98.71		29.2
HIF3BB -64PD-2.54R-MC	611-0045-1	64	MAX119.7	One at center									

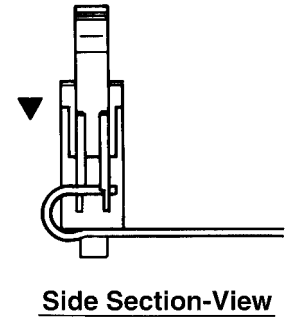
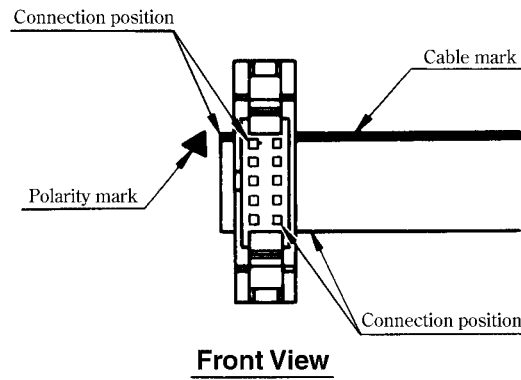
*D size locking size
 unlocking size

◆ Connection Procedures

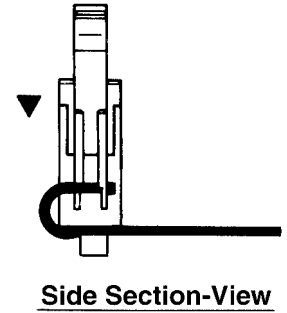
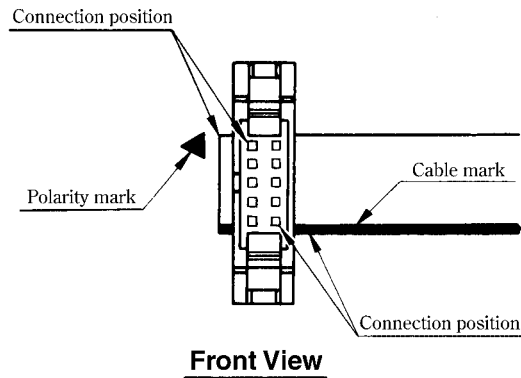
Note1: Cable length tolerance Less than 500 $\pm \frac{1}{8}$ (mm)
 More than 500 $\pm \frac{3}{8}$ (mm)

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.

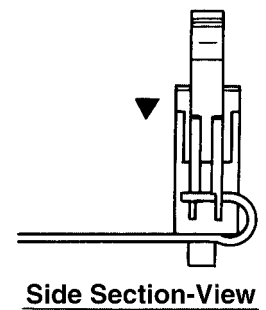
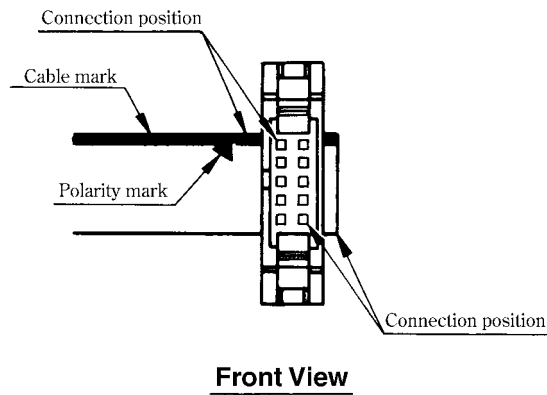
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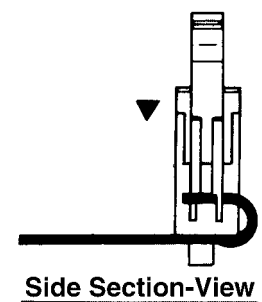
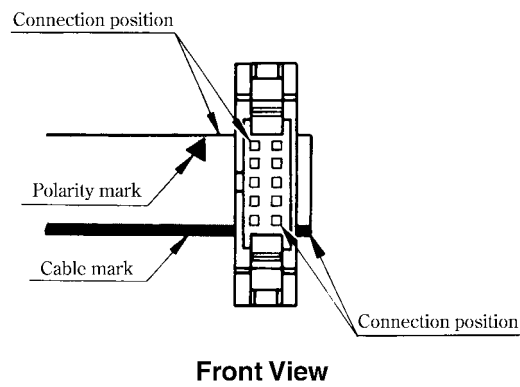
Type BO



Type CO



Type DO



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[HIF3BA-34D-2.54R\(11\)](#) [HIF3BA-34D-2.54R\(25\)](#) [HIF3BA-40D-2.54R](#) [HIF3BA-40D-2.54R\(04\)](#) [HIF3BA-40D-2.54R\(05\)](#)
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[HIF3BA-60D-2.54R](#) [HIF3BA-60D-2.54R\(04\)](#) [HIF3BA-60D-2.54R\(05\)](#) [HIF3BA-60D-2.54R\(11\)](#) [HIF3BA-64D-2.54R](#)
[HIF3BA-64D-2.54R\(05\)](#) [HIF3BA-64D-2.54R\(41\)](#) [HIF3BA-6D-2.54R](#) [HIF3BB-50D-2.54R](#) [HIF3BB-50D-2.54R\(04\)](#)
[HIF3BB-50D-2.54R\(05\)](#) [HIF3BB-50D-2.54R\(11\)](#) [HIF3BB-60D-2.54R](#) [HIF3BB-64D-2.54R](#) [HIF3BB-64D-2.54R\(05\)](#)
[HIF3B-10PA-2.54DS\(71\)](#) [HIF3B-16PA-2.54DS\(71\)](#) [HIF3B-20PA-2.54DS\(71\)](#) [HIF3B-26PA-2.54DS\(71\)](#) [HIF3B-30PA-2.54DS\(71\)](#)
[HIF3B-34PA-2.54DS\(71\)](#) [HIF3B-40PA-2.54DS\(71\)](#) [HIF3B-50PA-2.54DS\(71\)](#) [HIF3B-60PA-2.54DS\(71\)](#) [HIF3B-64PA-2.54DS\(71\)](#)
[HIF3B-16PA-2.54DSA\(71\)](#) [HIF3B-20PA-2.54DSA\(71\)](#) [HIF3B-26PA-2.54DSA\(71\)](#) [HIF3B-30PA-2.54DSA\(71\)](#) [HIF3B-34PA-2.54DSA\(71\)](#)
[HIF3B-40PA-2.54DSA\(71\)](#) [HIF3B-50PA-2.54DSA\(71\)](#) [HIF3B-60PA-2.54DSA\(71\)](#) [HIF3B-64PA-2.54DSA\(71\)](#) [HIF3BA-10PA-2.54DS\(71\)](#)
[HIF3BA-10PA-2.54DS\(75\)](#) [HIF3BA-10PA-2.54DS\(81\)](#) [HIF3BA-14PA-2.54DS\(71\)](#) [HIF3BA-14PA-2.54DS\(72\)](#) [HIF3BA-16PA-2.54DS\(71\)](#)
[HIF3BA-16PA-2.54DS\(75\)](#) [HIF3BA-16PA-2.54DS\(81\)](#) [HIF3BA-20PA-2.54DS\(71\)](#) [HIF3BA-20PA-2.54DS\(72\)](#) [HIF3BA-20PA-2.54DS\(75\)](#)
[HIF3BA-26PA-2.54DS\(71\)](#) [HIF3BA-26PA-2.54DS\(75\)](#) [HIF3BA-30PA-2.54DS\(71\)](#) [HIF3BA-30PA-2.54DS\(72\)](#) [HIF3BA-30PA-2.54DS\(75\)](#)
[HIF3BA-34PA-2.54DS\(71\)](#) [HIF3BA-34PA-2.54DS\(72\)](#) [HIF3BA-34PA-2.54DS\(75\)](#) [HIF3BA-40PA-2.54DS\(71\)](#) [HIF3BA-40PA-2.54DS\(72\)](#)
[HIF3BA-40PA-2.54DS\(75\)](#) [HIF3BA-40PA-2.54DS\(81\)](#) [HIF3BA-50PA-2.54DS\(71\)](#) [HIF3BA-50PA-2.54DS\(75\)](#) [HIF3BA-50PA-2.54DS\(81\)](#)
[HIF3BA-60PA-2.54DS\(71\)](#) [HIF3BA-60PA-2.54DS\(72\)](#) [HIF3BA-60PA-2.54DS\(75\)](#) [HIF3BA-64PA-2.54DS\(71\)](#) [HIF3BA-10PA-2.54DSA\(71\)](#)
[HIF3BA-14PA-2.54DSA\(71\)](#) [HIF3BA-14PA-2.54DSA\(75\)](#) [HIF3BA-16PA-2.54DSA\(69\)](#) [HIF3BA-16PA-2.54DSA\(71\)](#)
[HIF3BA-16PA-2.54DSA\(72\)](#) [HIF3BA-16PA-2.54DSA\(75\)](#) [HIF3BA-20PA-2.54DSA\(71\)](#) [HIF3BA-20PA-2.54DSA\(75\)](#) [HIF3BA-20PA-2.54DSA\(81\)](#)
[HIF3BA-26PA-2.54DSA\(71\)](#) [HIF3BA-26PA-2.54DSA\(72\)](#) [HIF3BA-26PA-2.54DSA\(75\)](#) [HIF3BA-30PA-2.54DSA\(71\)](#) [HIF3BA-30PA-2.54DSA\(72\)](#)
[HIF3BA-30PA-2.54DSA\(75\)](#) [HIF3BA-30PA-2.54DSA\(88\)](#) [HIF3BA-34PA-2.54DSA\(71\)](#) [HIF3BA-34PA-2.54DSA\(75\)](#) [HIF3BA-40PA-2.54DSA\(71\)](#) [HIF3BA-40PA-2.54DSA\(72\)](#)