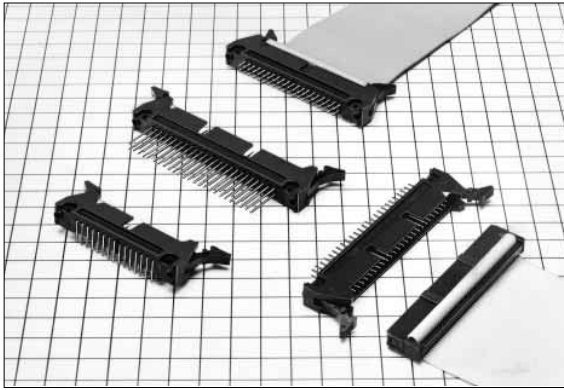


High Performance Ribbon Cable Connector

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	

Алматы (727)3495-231
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
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Череповец (8202)49-02-64
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Ярославль (4852)69-52-93

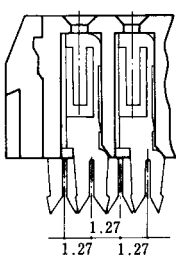
Россия +7(495)268-04-70

Казахстан +7(7172)727-132

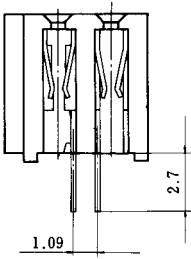
Киргизия +996(312)96-26-47

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

■Socket Type

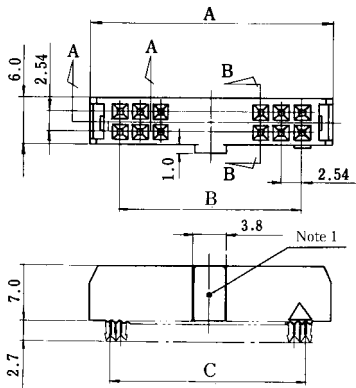


Section A-A

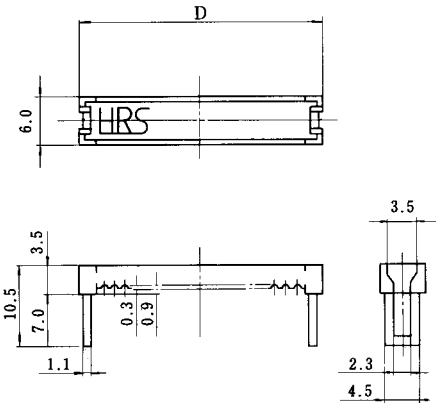


Section B-B

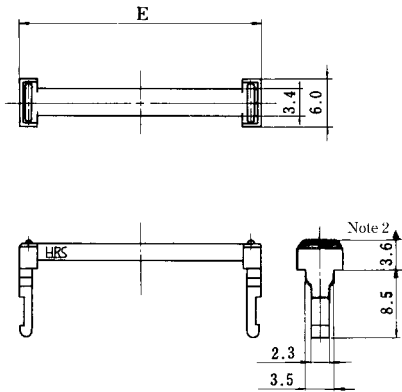
Body



Protector



Clamp



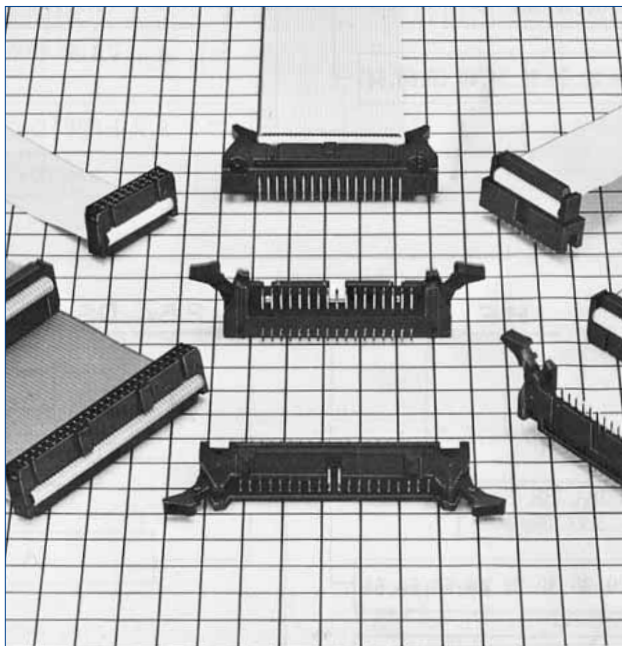
Note1: The 50 contact and 60 contact connectors contain convex area at two points.
Note2: The 60 contact connector indicates 5.6.
The applicable pin header is HIF3BAF type.

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	

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 28 AWG (IDC type)

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

■Product Specifications

Rating	Current rating :	Operating Temperature Range :	Storage Temperature Range :
	IDC : 1A 28 AWG Crimp : 32, 36 AWG : 1A Other : 3A	-55 to +85°C (Note 1)	-10 to +60°C (Note 2)
	Voltage rating :	Operating Moisture Range :	Storage Humidity Range :
	200V	40 to 80%	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.	(-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 : 15mΩ 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 / Finish

Part	Material	Finish		Remarks
Insulator	PBT	Black		UL94V-0
Socket Contact	Beryllium copper	Connection area	Gold plated	————
Pin header contact	Brass	Selective Gold plated		————

■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

HIF 3B - * D - 2.54 R
① ② ③ ④ ⑤ ⑥

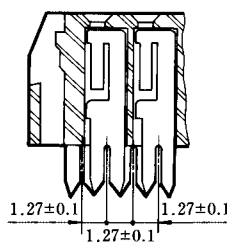
① Series Name	: HIF
② Series No.	: 3B, 3BA, 3BB (50, 60, 64 contacts only)
③ Number of contacts	: 6,10,14,16, 20, 26, 30, 34, 40, 50, 60, 64
④ Contact alignment	: D : Double
⑤ Contact pitch	: 2.54mm
⑥ Connection type	R : ID type

●Pin Header

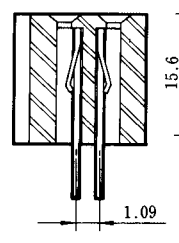
HIF 3B - * P A - 2.54 DS
① ② ③ ④ ⑤ ⑥ ⑦

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

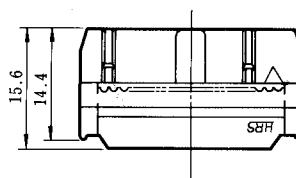
■Socket (With guide to prevent mis-insertion)



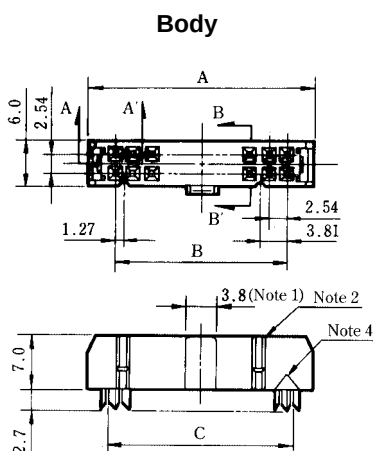
Section A to A'



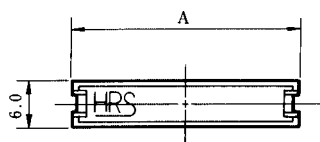
Section B to B'



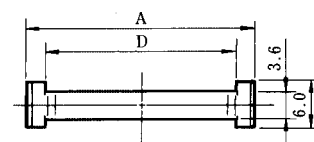
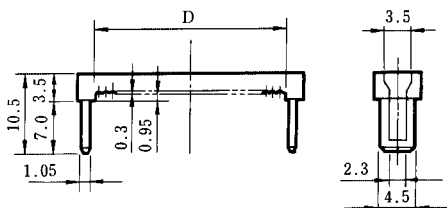
Combination pattern



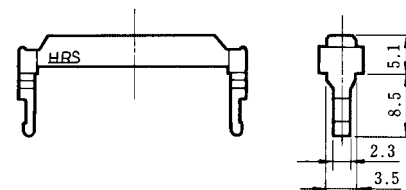
Body



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.

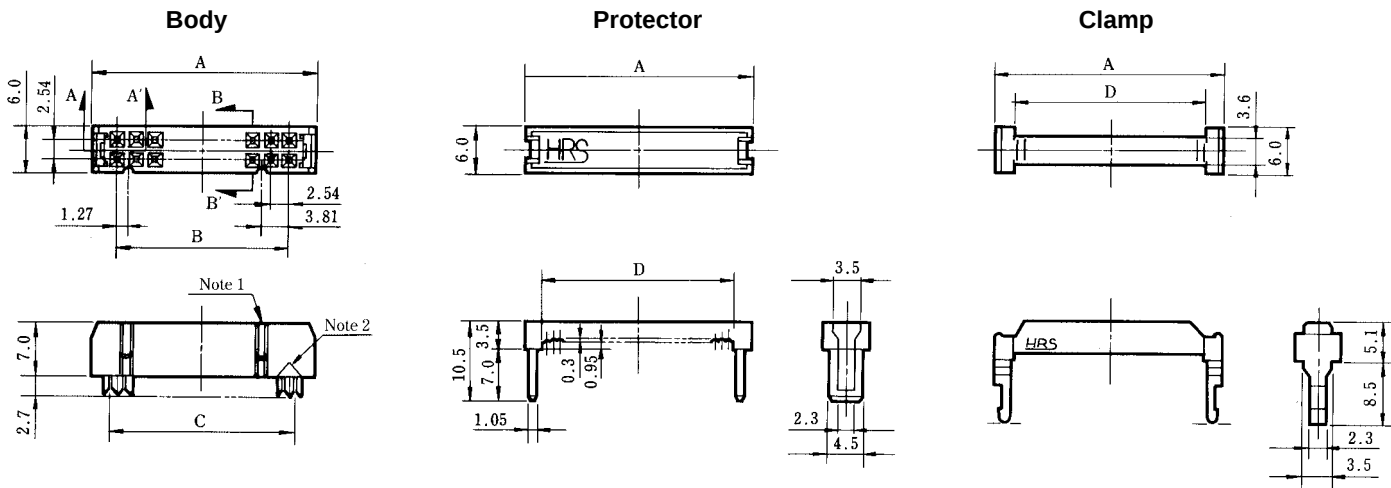
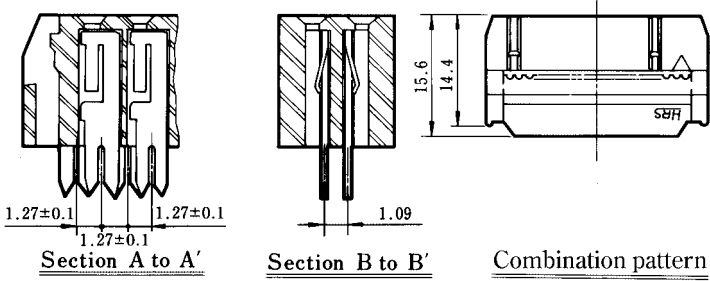
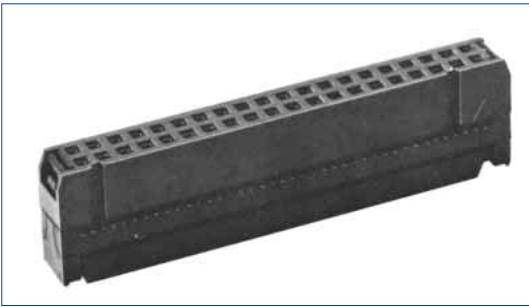
Note4 : The 6 contact has no polarizing mark.

Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	C	D	Polarizing Guide (Note 1)	Polarizing Keyway (Note 2)	RoHS
HIF3BA- 6D-2.54R(63)	610-0032-3 63	6	12.19	5.08	6.35	7.72	One at center	None	YES
HIF3BA-10D-2.54R(63)	610-0021-7 63	10	17.27	10.16	11.43	12.8		One on left side	
HIF3BA-14D-2.54R(63)	610-0022-0 63	14	22.35	15.24	16.51	17.88		One on right and left sides, resp.	
HIF3BA-16D-2.54R(63)	610-0023-2 63	16	24.89	17.78	19.05	20.42			
HIF3BA-20D-2.54R(63)	610-0024-5 63	20	29.97	22.86	24.13	25.5			
HIF3BA-26D-2.54R(63)	610-0025-8 63	26	37.59	30.48	31.75	33.12			
HIF3BA-30D-2.54R(63)	610-0026-0 63	30	42.67	35.56	36.83	38.2			
HIF3BA-34D-2.54R(63)	610-0027-3 63	34	47.75	40.64	41.91	43.28			
HIF3BA-40D-2.54R(63)	610-0028-6 63	40	55.37	48.26	49.53	50.9			
HIF3BA-50D-2.54R(63)	610-0029-9 63	50	68.07	60.96	62.23	63.6	One on right and left sides, resp.		
HIF3BB-50D-2.54R(63)	610-0041-4 63	50	68.07	60.96	62.23	63.6	One at center		
HIF3BA-60D-2.54R(63)	610-0030-8 63	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(63)	610-0042-7 63	60	80.77	73.66	74.93	76.3	One at center		
HIF3BA-64D-2.54R(63)	610-0031-0 63	64	85.85	78.74	80.01	81.38	One on right and left sides, resp.		
HIF3BB-64D-2.54R(63)	610-0043-0 63	64	85.85	78.74	80.01	81.38	One at center		

The products marked with ★ comply with MIL standard.

Socket



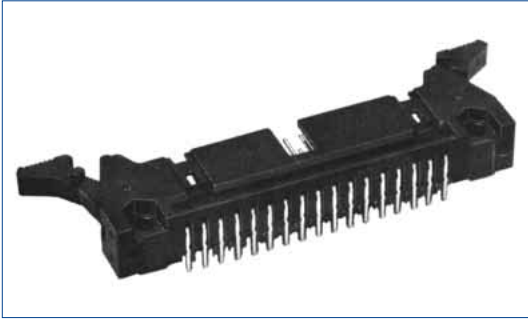
Note1 : The number of polarizing keys and polarizing keyways changes according to products. For details, refer to the list as shown below.
Note2 : The 6 contact has no polarizing mark.

Unit : mm

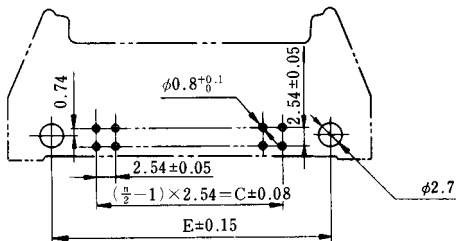
Part No.	HRS No.	No. of Contacts	A	B	C	D	Polarizing Guide (Note 1)	RoHS
HIF3B- 6D-2.54R(63)	610-0012-6 63	6	12.19	5.08	6.35	7.72	None	YES
HIF3B-10D-2.54R(63)	610-0001-0 63	10	17.27	10.16	11.43	12.80	One on left side	
HIF3B-14D-2.54R(63)	610-0002-2 63	14	22.35	15.24	16.51	17.88	One on right and left sides, resp.	
HIF3B-16D-2.54R(63)	610-0003-5 63	16	24.89	17.78	19.05	20.42		
HIF3B-20D-2.54R(63)	610-0004-8 63	20	29.97	22.86	24.13	25.50		
HIF3B-26D-2.54R(63)	610-0005-0 63	26	37.59	30.48	31.75	33.12		
HIF3B-30D-2.54R(63)	610-0006-3 63	30	42.67	35.56	36.83	38.2		
HIF3B-34D-2.54R(63)	610-0007-6 63	34	47.75	40.64	41.91	43.28		
HIF3B-40D-2.54R(63)	610-0008-9 63	40	55.37	48.26	49.53	50.90		
HIF3B-50D-2.54R(63)	610-0009-1 63	50	68.07	60.96	62.23	63.6		
HIF3B-60D-2.54R(63)	610-0010-0 63	60	80.77	73.66	74.93	76.3		
HIF3B-64D-2.54R(63)	610-0011-3 63	64	85.85	78.74	80.01	81.38		

The products marked with ★ comply with MIL standard.

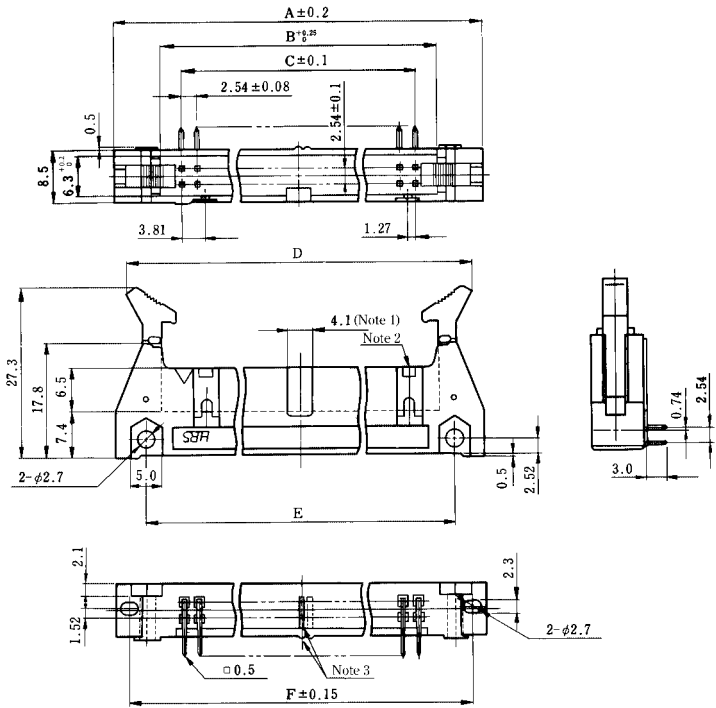
■Four Wall Angle Through hole



◆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.

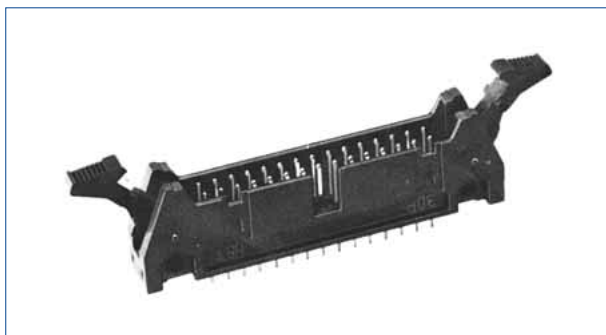
Use products, referring to (Note 1) (Note 2).

Unit : mm

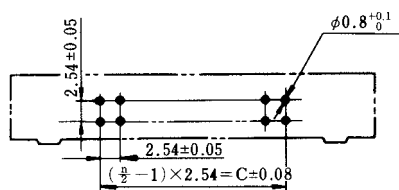
	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3BA-10PA-2.54DS(63)	610-0091-2 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3BD-10PA-2.54DS(63)	610-0171-0 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None	
★	HIF3BA-14PA-2.54DS(63)	610-0092-5 63	14	37.1	22.6	15.24	33.24 MAX56.2	26.9	33.0		One on right side	
★	HIF3BA-16PA-2.54DS(63)	610-0093-8 63	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-2.54DS(63)	610-0094-0 63	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3BA-26PA-2.54DS(63)	610-0095-3 63	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3BA-30PA-2.54DS(63)	610-0096-6 63	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3BA-34PA-2.54DS(63)	610-0097-9 63	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3BA-40PA-2.54DS(63)	610-0098-1 63	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3BA-50PA-2.54DS(63)	610-0099-4 63	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One on right and left sides, resp.		
★	HIF3BB-50PA-2.54DS(63)	610-0131-5 63	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One at center		
★	HIF3BA-60PA-2.54DS(63)	610-0100-1 63	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One on right and left sides, resp.		
★	HIF3BB-60PA-2.54DS(63)	610-0132-8 63	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center		
★	HIF3BA-64PA-2.54DS(63)	610-0101-4 63	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5	One on right and left sides, resp.		
★	HIF3BB-64PA-2.54DS(63)	610-0133-0 63	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.

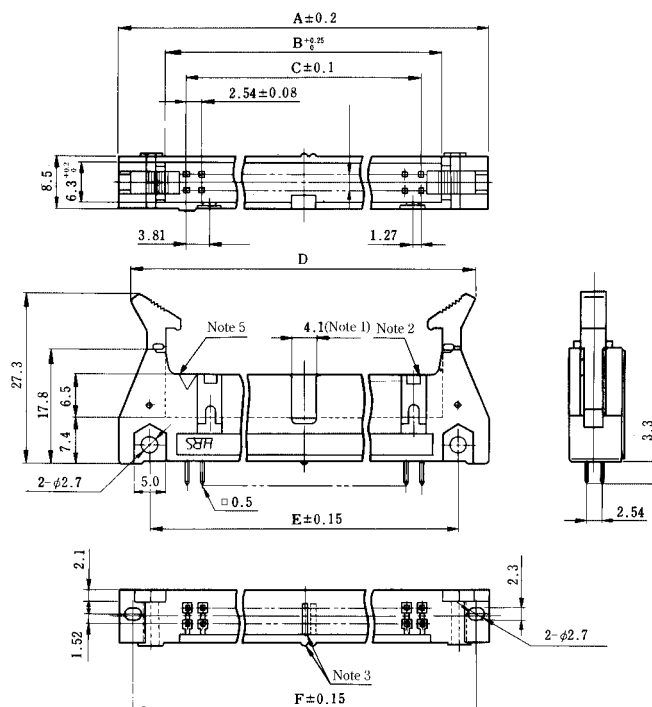
Four-Wall Straight Through hole



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).

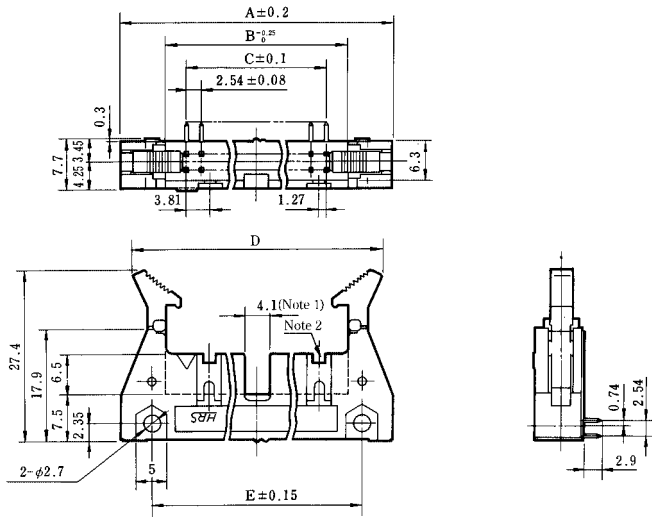
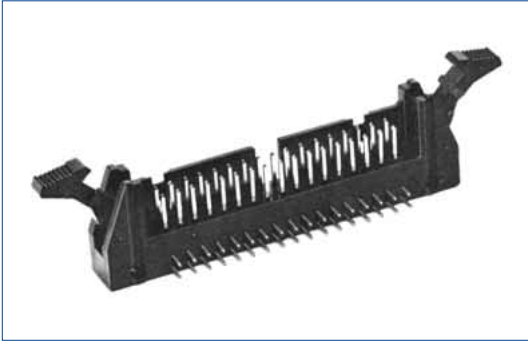
Note 5 : The 6 contact has no polarity mark.

Unit : mm

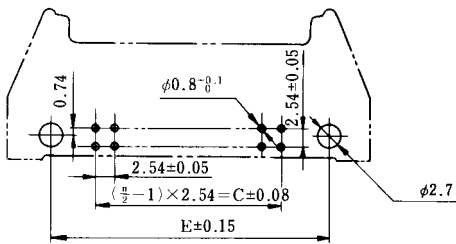
	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3-6PA-2.54DSA(71)	562-0503-9 71	6	26.92	12.42	5.08	23.06 MAX46.02	16.7	22.82	One at center	None	YES
	HIF3BA-10PA-2.54DSA(63)	610-0111-8 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	
★	HIF3BD-10PA-2.54DSA(63)	610-0181-3 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	One at center	None	
★	HIF3BA-14PA-2.54DSA(63)	610-0112-0 63	14	37.1	22.6	15.24	33.24 MAX56.2	26.9	33.0		One on right side	
★	HIF3BA-16PA-2.54DSA(63)	610-0113-3 63	16	39.6	25.1	17.78	35.74 MAX58.7	29.5	35.5		One on right and left sides, resp.	
★	HIF3BA-20PA-2.54DSA(63)	610-0114-6 63	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3BA-26PA-2.54DSA(63)	610-0115-9 63	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3BA-30PA-2.54DSA(63)	610-0116-1 63	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3BA-34PA-2.54DSA(63)	610-0117-4 63	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3BA-40PA-2.54DSA(63)	610-0118-7 63	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3BA-50PA-2.54DSA(63)	610-0119-0 63	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(63)	610-0141-9 63	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One at center		
★	HIF3BA-60PA-2.54DSA(63)	610-0120-9 63	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(63)	610-0142-1 63	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4	One at center		
★	HIF3BA-64PA-2.54DSA(63)	610-0121-1 63	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(63)	610-0143-4 63	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.

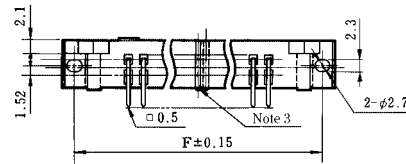
Three Wall Angle Type



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).

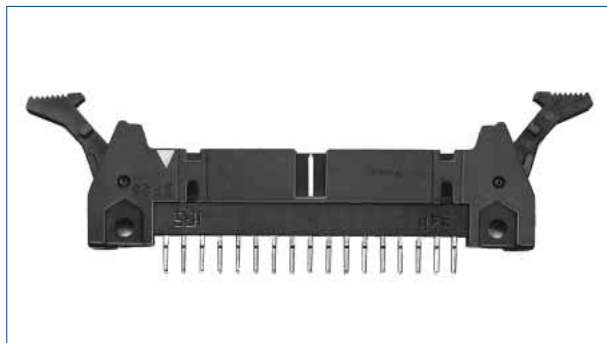
Unit : mm

	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	Polarizing Slot (Note 1)	Polarizing Key Install (Note 2)	RoHS
★	HIF3B -10PA-2.54DS(63)	610-0051-8 63	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(63)	610-0151-2 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None	
★	HIF3B -16PA-2.54DS(63)	610-0052-0 63	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-2.54DS(63)	610-0053-3 63	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3B -26PA-2.54DS(63)	610-0054-6 63	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3B -30PA-2.54DS(63)	610-0055-9 63	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3B -34PA-2.54DS(63)	610-0056-1 63	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3B -40PA-2.54DS(63)	610-0057-4 63	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3B -50PA-2.54DS(63)	610-0058-7 63	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(63)	610-0059-0 63	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4			
★	HIF3B -64PA-2.54DS(63)	610-0060-9 63	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5			

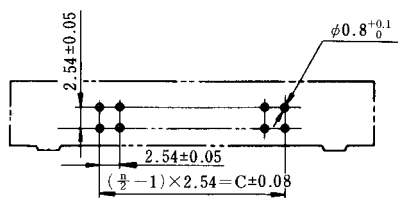
The products marked with ★ comply with MIL standard.

■Four Wall Straight Through hole

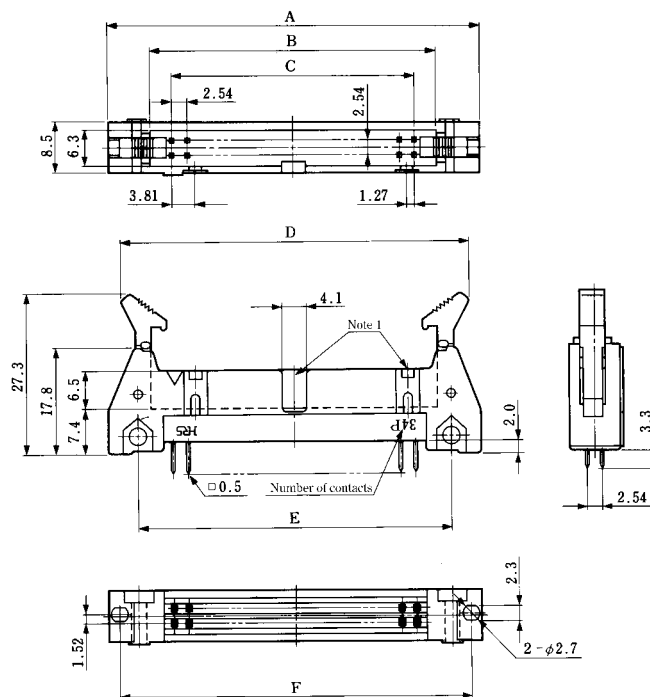
[Flux Blister Prevention Type]



◆PCB mounting pattern



■n=number of contacts



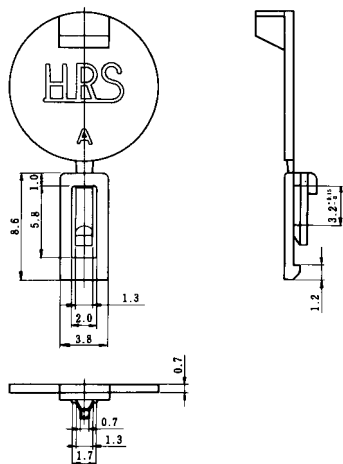
Note1 : The number of polarizing slot and key installed positions changes according to products. Refer to the list as shown below.

Unit : mm

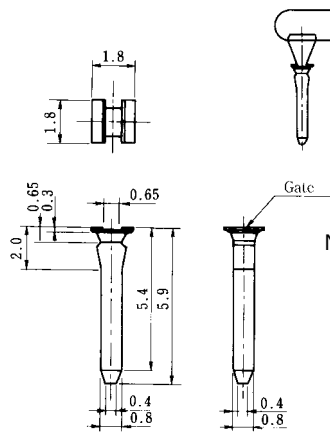
	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	Polarizing Slot	Polarizing Key Install	RoHS
★	HIF3CA-10PA-2.54DSA(63)	610-0701-1 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9	None	One on right side	YES
	HIF3CD-10PA-2.54DSA(63)	610-0722-1 63	10	32.0	17.5	10.16	28.14 MAX51.1	21.8	27.9		None	
★	HIF3CA-16PA-2.54DSA(63)	610-0703-7 63	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.	
★	HIF3CA-20PA-2.54DSA(63)	610-0704-0 63	20	44.7	30.2	22.86	40.84 MAX63.8	34.5	40.6			
★	HIF3CA-26PA-2.54DSA(63)	610-0705-2 63	26	52.3	37.8	30.48	48.44 MAX71.4	42.2	48.3			
★	HIF3CA-30PA-2.54DSA(63)	610-0706-5 63	30	57.4	42.9	35.56	53.54 MAX76.5	47.2	53.3			
★	HIF3CA-34PA-2.54DSA(63)	610-0707-8 63	34	62.5	48.0	40.64	58.64 MAX81.6	52.3	58.4			
★	HIF3CA-40PA-2.54DSA(63)	610-0708-0 63	40	70.1	55.6	48.26	66.24 MAX89.2	59.9	66.0			
★	HIF3CA-50PA-2.54DSA(63)	610-0709-3 63	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7			
★	HIF3CB-50PA-2.54DSA(63)	610-0721-9 63	50	82.8	68.3	60.96	78.94 MAX101.9	72.6	78.7	One at center		
★	HIF3CB-60PA-2.54DSA(63)	610-0723-4 63	60	95.5	81.0	73.66	91.64 MAX114.6	85.3	91.4			
★	HIF3CB-64PA-2.54DSA(63)	610-0724-7 63	64	100.6	86.1	78.74	96.74 MAX119.7	90.4	96.5			

The products marked with ★ comply with MIL standard.

◆Polarizing Key



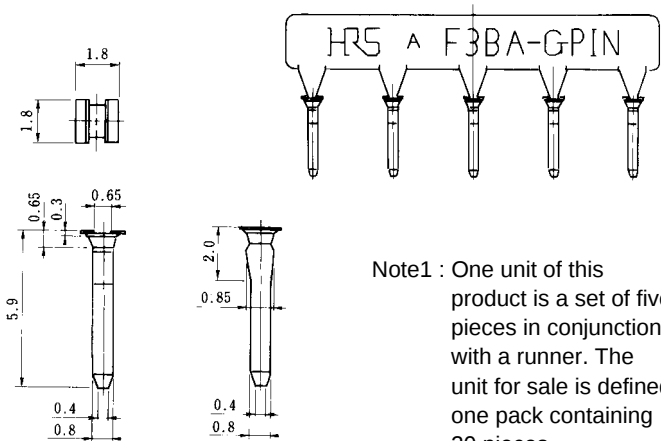
HIF3-GPIN(A)



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.

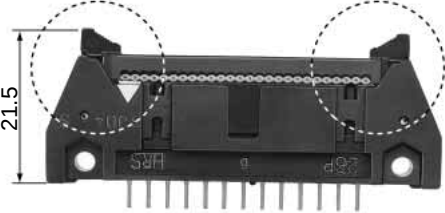
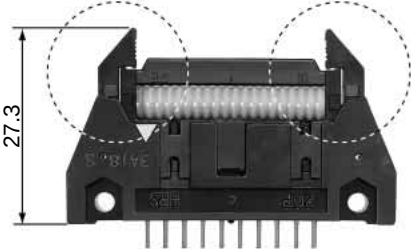
Part No.	HRS No.	Material	Remarks	RoHS
HIF3-GPIN(A)	562-0126-6	Poly acetal (white)	A set of 5 pieces	YES

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

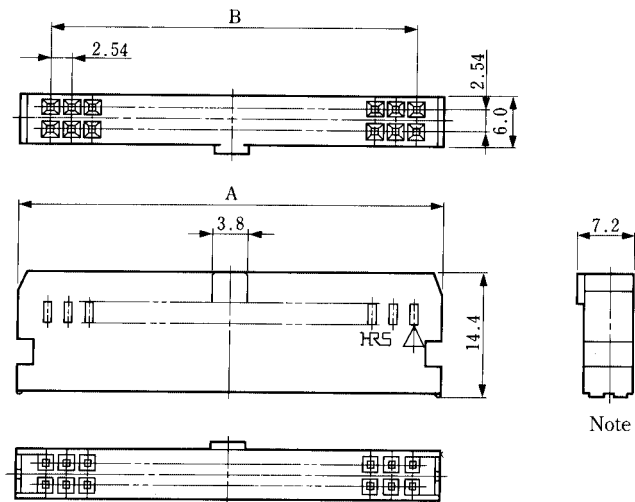
◆Lock

●Low Profile Lock Pin Header

●F Type Lock Pin Header

Lock G	Lock F
Part Number : HIF3BAG-**PA-2.54DSA(63)  ●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.	Part Number : HIF3BAG-**PA-2.54DSA(63)  ●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

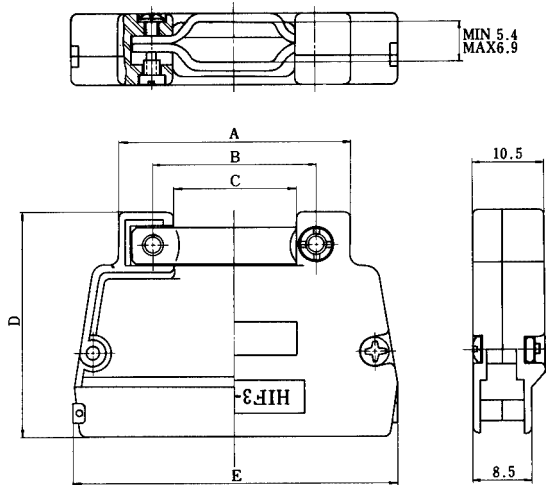


Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	Polarizing Guide	RoHS
HIF3BA-10D-2.54C(63)	610-1041-0 63	10	17.25	10.16	One at center	YES
HIF3BA-14D-2.54C(63)	610-1051-3 63	14	22.35	15.24		
HIF3BA-16D-2.54C(63)	610-1042-2 63	16	24.8	17.78		
HIF3BA-20D-2.54C(63)	610-1043-5 63	20	29.95	22.86		
HIF3BA-26D-2.54C(63)	610-1044-8 63	26	37.55	30.48		
HIF3BA-30D-2.54C(63)	610-1045-0 63	30	42.63	35.56		
HIF3BA-34D-2.54C(63)	610-1046-3 63	34	47.75	40.64		
HIF3BA-40D-2.54C(63)	610-1047-6 63	40	55.35	48.26		
HIF3BA-50D-2.54C(63)	610-1048-9 63	50	68.04	60.96	One right and left side, resp.	
HIF3BB-50D-2.54C(63)	610-1061-7 63				One at center	
HIF3BA-60D-2.54C(63)	610-1049-1 63	60	80.77	73.66	One right and left side, resp.	
HIF3BB-60D-2.54C(63)	610-1062-0 63				One at center	
HIF3BA-64D-2.54C(63)	610-1064-5 63	64	85.85	78.74	One right and left side, resp.	
HIF3BB-64D-2.54C(63)	610-1063-2 63				One at center	

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

■Cover Case for Crimping socket



Unit : mm								
Part No.	HRS No.	No. of Contacts	A	B	C	D	E	RoHS
HIF3-20CV(72)	562-0201-0 72	20	24.5	18.0	12.0	30.5	29.95	YES
HIF3-26CV(72)	562-0202-2 72	26	30.2	20.0	14.0	32.0	37.55	
HIF3-30CV(72)	562-0203-5 72	30	32.2	22.0	16.0	33.0	42.63	
HIF3-34CV(72)	562-0204-8 72	34	34.2	24.0	18.0	33.5	47.75	
HIF3-40CV(72)	562-0205-0 72	40	36.2	26.0	20.0	35.5	55.35	
HIF3-50CV(72)	562-0206-3 72	50	39.2	29.0	23.0	38.0	68.04	
HIF3-60CV(72)	562-0207-6 72	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 : 1.7mm diameter MAX
- 26 to 40 contacts : 1.6mm diameter MAX
- 50 to 60 contacts : 1.4mm diameter MAX

HRS B27

◆Tools

●Crimping Tool



Manual Crimping Tool HIF3-T2226HC

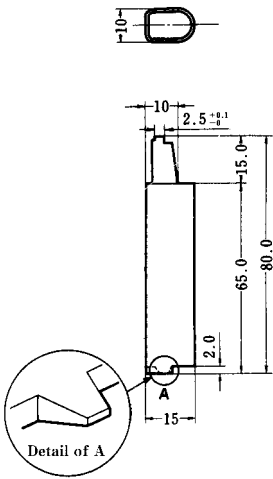
Part No.	HRS No.
HIF3-T2226HC	550-0063-8

●Automatic Crimping Tool (Type : CM-105C)



Part No.	HRS No.
CM-105C	901-0001-0

●Contact Extraction Tools



Part No.	HRS 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.

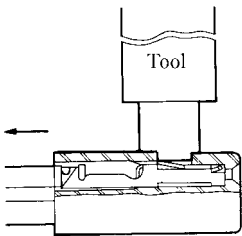


Figure 1

(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.

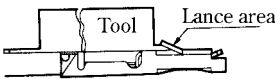


Figure 2

◆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.

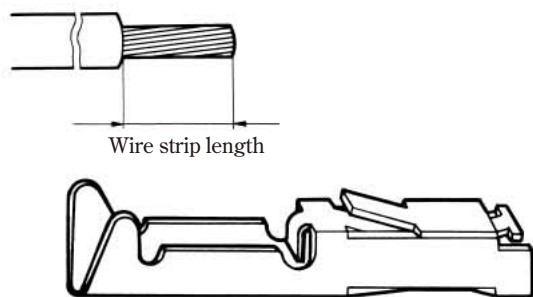


Figure 1

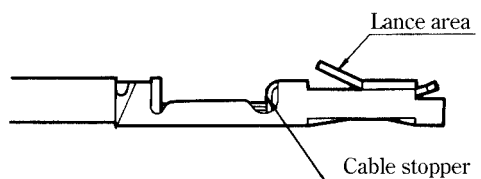


Figure 2

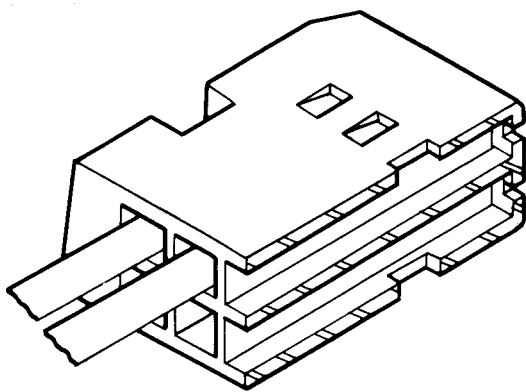


Figure 3

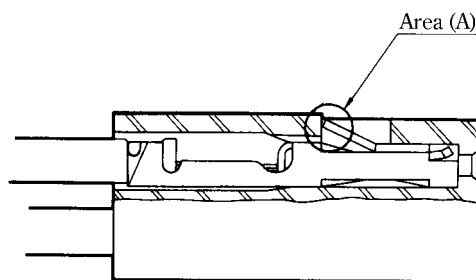
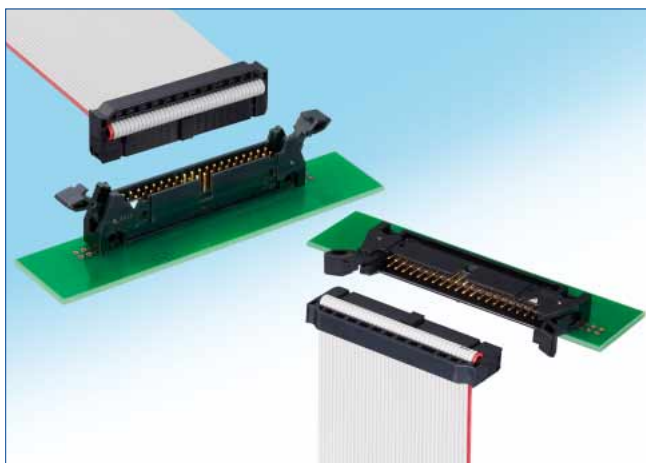


Figure 4

MIL Compliant Product

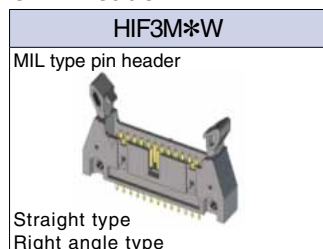
HIF3M*W Series

MIL-C-83503

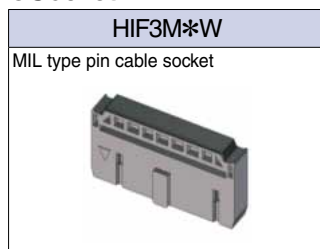


HIF3M*W Series Products

●Pin header



●Socket



■Features

1. MIL Compliant product

- MIL Compliant product (MIL-C-83503)
- Suited for wide range of applications (both internal and external connections)
- Mating compatible with HIF3 series

2. UL Certified

- UL certified connector

3. Mis-Insertion Prevention Mechanism

- Dual guide systems prevent mis-insertion
 1. MIL-compliant guide key (polarizing key) system
The guide system matches the convex shape on the pin header (polarizing key attached) with the concave shape on the socket (polarizing key cavity).
 2. Polarizing guide/slot system
The guide system matches the polarizing slot on the pin header with polarizing guide (mis-insertion prevention guide) on the socket.

4. Superior Usability

- A wide lock on the pin header and the long depth of the socket clamp makes push/pull action easier.
- The body and the protector of the socket can be detached, which makes cable assembly operation easier.

■Product specification

Ratings	Rated current 1A		Rated voltage AC200V	
	Operating temperature : -55°C to 85°C (Note 1)		Operating humidity range : Relative humidity 85% or less (No condensation)	
	Storage temperature : -10°C to 60°C (Note 2)		Storage humidity range : 5% to 85% (Note 2)	

Items	Specifications	Conditions
1. Insulation resistance	1,000MΩ or more	Measured at DC500V
2. Withstand voltage	No flashover, breakdown	650V AC/1 minute
3. Contact resistance	15mΩ or less	Measured at 0.1A
4. Vibration resistance	No electrical shut-off of 1μs or more	Frequency 10-55Hz, half amplitude 0.75mm, 2 hours in 3-axial directions
5. Moisture resistance	Insulation resistance : 1,000MΩ or more	Temperature 40±2°C, humidity left for 96 hours in 90 to 95%
6. Temperature cycle	No damage, cracks, or parts looseness.	Temperature -55 → 5 to 35 → 125 → 5 to 35°C Time tested for 30 → 5 → 30 → 5 minutes, 5 cycles
7. Push-pull life	Contact resistance : 15mΩ or less	500 times of push-pull actions
8. Soldering heat resistance	No deformation of components affecting performance.	Solder bath : 260°C for 10 seconds Hand soldering : Temperature of soldering iron 360°C,

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

●Pin header

Parts	Material	Color / Finish	Remarks
Lock	PBT	Black	UL94V-0
Insulator			
Contact	Brass	Contact part : gold plated 0.15μm MIN. Dip part : pure tin plated 2μm MIN.	— —

●Socket

Parts	Material	Color processing	Remarks
Insulator	PBT	Black	UL94V-0
Contact terminal	Copper alloy	Contact part : gold plated 0.15μm MIN. IDC part : nickel plated 2.5μm MIN.	— —

■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.

●Pin header (Right angle)

HIF **3** **M*W** **-** ***** **PA** **-** **2.54** **DS**

① ② ③ ④ ⑤ ⑥ ⑦

●Pin header (Straight)

HIF **3** **M*W** **-** ***** **PA** **-** **2.54** **DSA**

① ② ③ ④ ⑤ ⑥ ⑦

●Socket

HIF **3** **M*W** **-** ***** **D** **-** **2.54** **R**

① ② ③ ④ ⑤ ⑥ ⑦

① Series name	HIF	⑤ Contact style	P : Pin header
② Series No.	3		A : Selective gold plated
③ Contact alignment	Pin header MAW : Total positions, MBW : 50,60, 64 positions only, MDW : 10 positions only	⑥ Contact pitch	D : Double
		⑦ Product type	2.54mm pitch
	Socket MAW : Total positions, MBW : 50, 60,64 positions only. Equipped with mis-insertion prevention guide		DS : Right angle type DSA : Straight type
④ Number of contacts	10,14,16,20,26,30,34,40,50,60,64		R : IDC

◆HIF3 Series Mating Compatibility Wire-to-Board type

Receptacle socket side

Header side

◆IDC connector
HIF3MAW-*D-2.54R
HIF3MBW-*D-2.54R

◆IDC connector
HIF3A-*D-2.54R
HIF3B-*D-2.54R
HIF3BA-*D-2.54R

⚠ HIF3A-60D-2.54R and MIL type pin header can be mated only with HIF3BAE-60PA-2.54DS(A) Allows mating with other different number of positions and box type pin headers of HIF3A Series.

◆Crimp connector
HIF3BA-*D-2.54C

MIL type pin header HIF3M*W Series	◆Straight type with lock HIF3MAW-*PA-2.54DSA HIF3MBW-*PA-2.54DSA HIF3MDW-*PA-2.54DSA ◆Right angle type with lock HIF3MAW-*PA-2.54DS HIF3MBW-*PA-2.54DS HIF3MDW-*PA-2.54DS
MIL type pin header HIF3B Series	◆Straight type with lock HIF3BA-*PA-2.54DSA HIF3BB-*PA-2.54DSA HIF3BD-*PA-2.54DSA ◆Right angle type with lock HIF3BA-*PA-2.54DS HIF3BB-*PA-2.54DS HIF3BD-*PA-2.54DS
MIL type F Pin header with lock HIF3BAF Series	◆Straight type HIF3BAF-*PA-2.54DSA ◆Right angle type HIF3BAF-*PA-2.54DS
Box type pin header HIF3F Series	◆Straight type HIF3F-*PA-2.54DSA ◆Right angle type HIF3F-*PA-2.54DS
Low-profile box type pin header HIF3FB(C) Series	◆Straight type HIF3FB-*PA-2.54DSA HIF3FC-*PA-2.54DSA ◆Right angle type HIF3FB-*PA-2.54DS HIF3FC-*PA-2.54DS
Pin header HIF3E Series	◆Straight type HIF3E-*PA-2.54DSA ◆Right angle type HIF3E-*PA-2.54DS
Pin header A1 Series	◆Straight type A1-*PA-2.54DSA ◆Right angle type A1-*PA-2.54DS
Ribbon cable plug HIF3B In-line type	◆In-line type HIF3BA-*PD-2.54R-MC

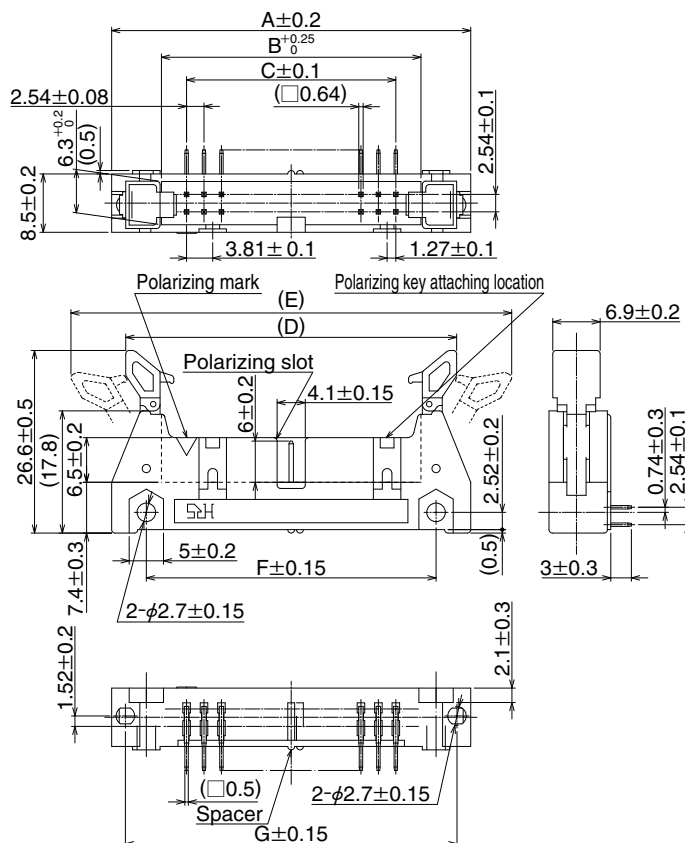
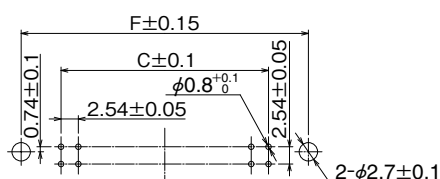
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■4-wall right angle through hole

•HIF3M*W-**PA-2.54DS



◆Recommended PCB Layout



*As the number of polarizing slots and polarizing keys differs for each part, please refer to the table below and the list of polarization properties in HIF3M*W Series on page 7.

*The spacer moves to the right according to the number of positions.

Unit : mm

	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	G	Polarizing slot	Polarizing key	RoHS
★	HIF3MAW-10PA-2.54DS(63)	610-3500-6 63	10	32	17.5	10.16	28.14	51.1	21.8	27.9	0	1	YES
	HIF3MDW-10PA-2.54DS(63)	610-3501-9 63										0	
★	HIF3MAW-14PA-2.54DS(63)	610-3502-1 63	14	37.1	22.6	15.24	33.24	56.2	26.9	33		1	
★	HIF3MAW-16PA-2.54DS(63)	610-3503-4 63	16	39.6	25.1	17.78	35.74	58.7	29.5	35.5	1		
★	HIF3MAW-20PA-2.54DS(63)	610-3504-7 63	20	44.7	30.2	22.86	40.84	63.8	34.5	40.6			
★	HIF3MAW-26PA-2.54DS(63)	610-3505-0 63	26	52.3	37.8	30.48	48.44	71.4	42.2	48.3			
★	HIF3MAW-30PA-2.54DS(63)	610-3506-2 63	30	57.4	42.9	35.56	53.54	76.5	47.2	53.3			
★	HIF3MAW-34PA-2.54DS(63)	610-3507-5 63	34	62.5	48	40.64	58.64	81.6	52.3	58.4			
★	HIF3MAW-40PA-2.54DS(63)	610-3508-8 63	40	70.1	55.6	48.26	66.24	89.2	59.9	66			
★	HIF3MAW-50PA-2.54DS(63)	610-3509-0 63	50	82.8	68.3	60.96	78.94	101.9	72.6	78.7	2 ※		
★	HIF3MBW-50PA-2.54DS(63)	610-3510-0 63									1		
★	HIF3MAW-60PA-2.54DS(63)	610-3511-2 63	60	95.5	81	73.66	91.64	114.6	85.3	91.4	2 ※		
★	HIF3MBW-60PA-2.54DS(63)	610-3512-5 63									1		
★	HIF3MAW-64PA-2.54DS(63)	610-3513-8 63	64	100.6	86.1	78.74	96.74	119.7	90.4	96.5	2 ※		
★	HIF3MBW-64PA-2.54DS(63)	610-3514-0 63									1		

*Pitch of polarizing guide is 22.86mm.

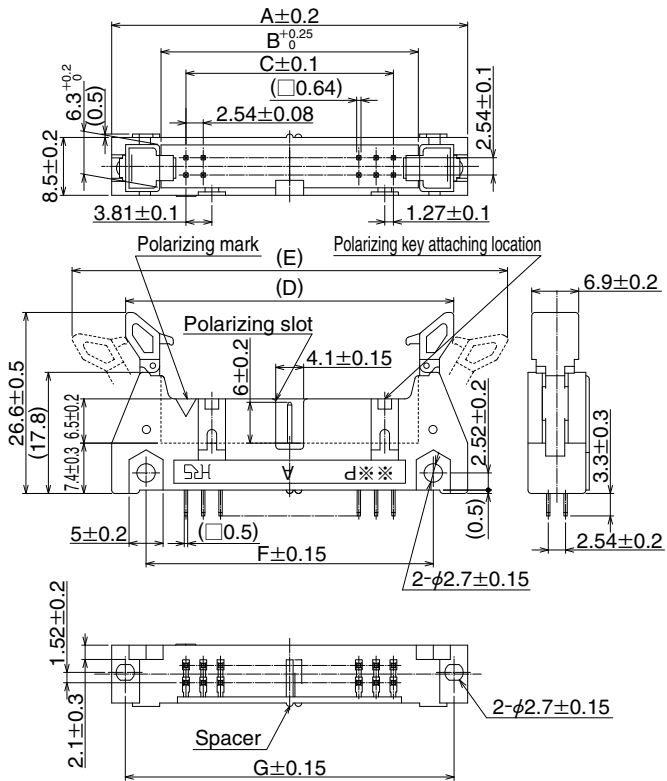
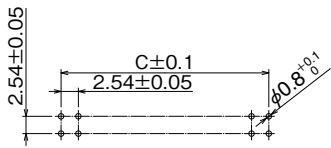
★ indicates MIL compliant product.

■4-wall straight through hole

・HIF3M*W-**PA-2.54DSA



◆Recommended PCB Layout



*As the number of polarizing slots and polarizing keys differs for each part, please refer to the table below and the list of polarization properties in HIF3M*W Series on page 7.
*The spacer moves to the right according to the number of positions.

Unit : mm

	Part No.	HRS No.	No. of Contacts	A	B	C	D	E	F	G	Polarizing slot	Polarizing key	RoHS
★	HIF3MAW-10PA-2.54DSA(63)	610-3600-0 63	10	32	17.5	10.16	28.14	51.1	21.8	27.9	0	1	YES
	HIF3MDW-10PA-2.54DSA(63)	610-3601-3 63										0	
★	HIF3MAW-14PA-2.54DSA(63)	610-3602-6 63	14	37.1	22.6	15.24	33.24	56.2	26.9	33		1	
★	HIF3MAW-16PA-2.54DSA(63)	610-3603-9 63	16	39.6	25.1	17.78	35.74	58.7	29.5	35.5	1		
★	HIF3MAW-20PA-2.54DSA(63)	610-3604-1 63	20	44.7	30.2	22.86	40.84	63.8	34.5	40.6			
★	HIF3MAW-26PA-2.54DSA(63)	610-3505-4 63	26	52.3	37.8	30.48	48.44	71.4	42.2	48.3			
★	HIF3MAW-30PA-2.54DSA(63)	610-3606-7 63	30	57.4	42.9	35.56	53.54	76.5	47.2	53.3			
★	HIF3MAW-34PA-2.54DSA(63)	610-3607-0 63	34	62.5	48	40.64	58.64	81.6	52.3	58.4			
★	HIF3MAW-40PA-2.54DSA(63)	610-3608-2 63	40	70.1	55.6	48.26	66.24	89.2	59.9	66			
★	HIF3MAW-50PA-2.54DSA(63)	610-3609-5 63	50	82.8	68.3	60.96	78.94	101.9	72.6	78.7	2 ※		2
★	HIF3MBW-50PA-2.54DSA(63)	610-3610-4 63									1		
★	HIF3MAW-60PA-2.54DSA(63)	610-3611-7 63	60	95.5	81	73.66	91.64	114.6	85.3	91.4	2 ※		
★	HIF3MBW-60PA-2.54DSA(63)	610-3612-0 63									1		
★	HIF3MAW-64PA-2.54DSA(63)	610-3613-2 63	64	100.6	86.1	78.74	96.74	119.7	90.4	96.5	2 ※		
★	HIF3MBW-64PA-2.54DSA(63)	610-3614-5 63									1		

*Pitch of polarizing guide is 22.86mm.

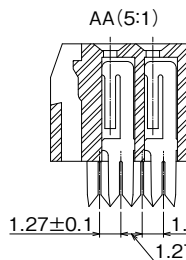
★ indicates MIL compliant product.

■Socket type (IDC, equipped with mis-insertion prevention guide)

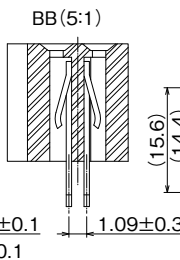
•HIF3M*W-*D-2.54R



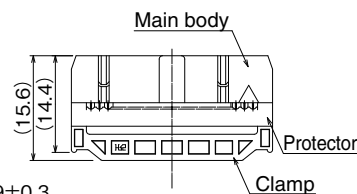
■A-A cross section



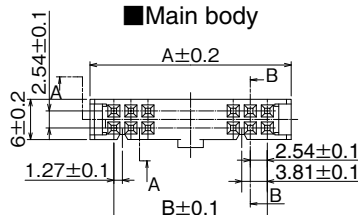
■B-B cross section



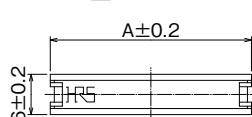
■Mated diagram



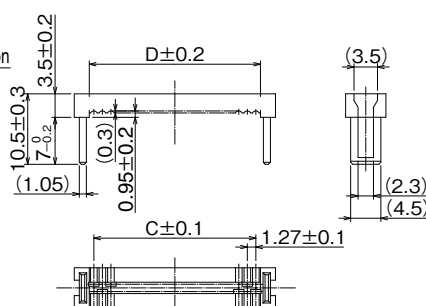
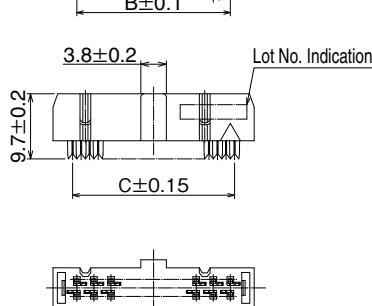
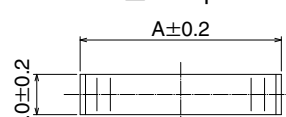
■Main body



■Protector



■Clamp



*As the number of polarizing guides and polarizing keyways differs for each part, please refer to the table below and the list of polarization properties in HIF3M*W Series on page 7.

Unit : mm

	Part No.	HRS No.	No. of Contacts	A	B	C	D	Polarizing guide	Polarizing keyway	RoHS
★	HIF3MAW-10D-2.54R(63)	610-3002-9 63	10	17.27	10.16	11.43	12.8	1	1	YES
★	HIF3MAW-14D-2.54R(63)	610-3003-1 63	14	22.35	15.24	16.51	17.88			
★	HIF3MAW-16D-2.54R(63)	610-3004-4 63	16	24.89	17.78	19.05	20.42		2	
★	HIF3MAW-20D-2.54R(63)	610-2097-0 63	20	29.97	22.86	24.13	25.5			
★	HIF3MAW-26D-2.54R(63)	610-3005-7 63	26	37.59	30.48	31.75	33.12			
★	HIF3MAW-30D-2.54R(63)	610-2098-2 63	30	42.67	35.56	36.83	38.2			
★	HIF3MAW-34D-2.54R(63)	610-2099-5 63	34	47.75	40.64	41.91	43.28			
★	HIF3MAW-40D-2.54R(63)	610-2100-2 63	40	55.37	48.26	49.53	50.9			
★	HIF3MAW-50D-2.54R(63)	610-2101-5 63	50	68.07	60.96	62.23	63.6	2 ※		
★	HIF3MBW-50D-2.54R(63)	610-2114-7 63						1		
★	HIF3MAW-60D-2.54R(63)	610-2102-8 63	60	80.77	73.66	74.93	76.3	2 ※		
★	HIF3MBW-60D-2.54R(63)	610-2115-0 63						1		
★	HIF3MAW-64D-2.54R(63)	610-3006-0 63	64	85.85	78.74	80.01	81.38	2 ※		
★	HIF3MBW-64D-2.54R(63)	610-0013-0 63						1		

*Pitch of polarizing guide is 22.86mm.

★ indicates MIL compliant product.

●Applicable cable

Conductor size (number of cores)	Jacket
28 AWG Flat Cable (7pcs./0.127mm) <UL2651>	0.9±0.1mm

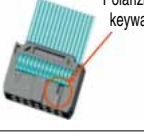
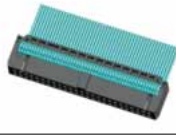
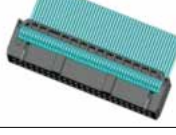
◆Applicable IDC tool

Type	Part No.	HRS No.
IDC Connection	HI-FLEX-HHP502	550-0082-2
Guide plate	HIF3-GPA2	550-0156-7
Pressure block	PRESS BLOCK A-01	550-0133-1

*Common to all No. of Contacts.

*Please refer to p.10 for the description on connection.

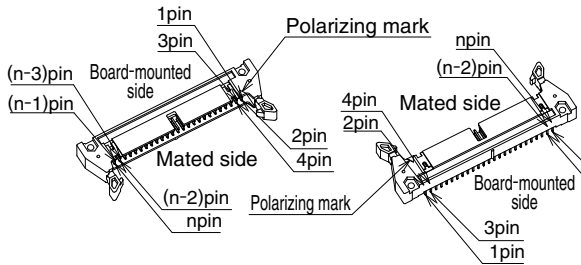
■HIF3M*W Series List of polarization

Socket type				Header type				
Socket side part number	Polarizing guide	Polarizing key	Socket appearance	No. of Contacts	Pin header appearance	Polarizing slot	Polarizing key	Pin header part number
				10		0	1	•HIF3MAW-10PA-2.54DS(A)
•HIF3MAW-10D-2.54R	1	1				1	0	•HIF3MDW-10PA-2.54DS(A)
•HIF3MAW-14D-2.54R	1	1		14		1	1	•HIF3MAW-14PA-2.54DS(A)
•HIF3MAW-16D-2.54R •HIF3MAW-20D-2.54R •HIF3MAW-26D-2.54R •HIF3MAW-30D-2.54R •HIF3MAW-34D-2.54R •HIF3MAW-40D-2.54R	1	2		16 to 40		1	2	•HIF3MAW-16PA-2.54DS(A) •HIF3MAW-20PA-2.54DS(A) •HIF3MAW-26PA-2.54DS(A) •HIF3MAW-30PA-2.54DS(A) •HIF3MAW-34PA-2.54DS(A) •HIF3MAW-40PA-2.54DS(A)
•HIF3MBW-50D-2.54R •HIF3MBW-60D-2.54R •HIF3MBW-64D-2.54R	1	2		50 to 64		1	2	•HIF3MBW-50PA-2.54DS(A) •HIF3MBW-60PA-2.54DS(A) •HIF3MBW-64PA-2.54DS(A)
•HIF3MAW-50D-2.54R •HIF3MAW-60D-2.54R •HIF3MAW-64D-2.54R	2	2				2	2	•HIF3MAW-50PA-2.54DS(A) •HIF3MAW-60PA-2.54DS(A) •HIF3MAW-64PA-2.54DS(A)

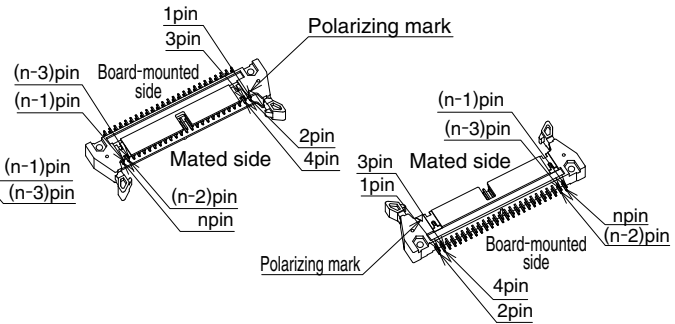
◆Pin configuration correlation diagram

When terminal Nos. are arranged as 1,2,3,4……n beginning from the side of the polarizing mark, contact positions are as shown in the diagram below.

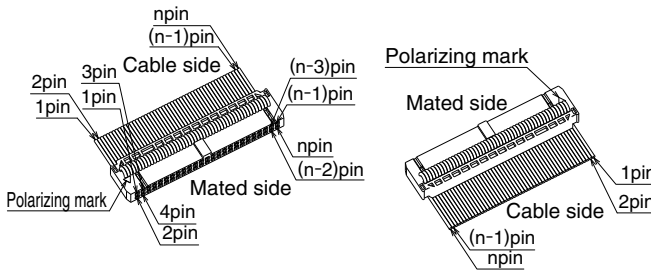
●Right angle dip solder



●Straight dip solder



●Socket type



Polarizing guide/slot : Mating combination

Compatible Mating Combinations

10 pos.

- ◆Socket
- HIF3MAW-10D-2.54R



- ◆Pin header
- HIF3MDW-10PA-2.54DS(A)
- Number of polarizing guides 1 = Number of polarizing slots 1

50 to 64 pos.

- ◆Socket
- HIF3MAW-**D-2.54R



- ◆Pin header
- HIF3MAW-**PA-2.54DS(A)
- Number of polarizing guides 2 = Number of polarizing slots 2

50 to 64 pos.

- ◆Socket
- HIF3MBW-**D-2.54R



- ◆Pin header
- HIF3MBW-**PA-2.54DS(A)
- Number of polarizing guides 1 = Number of polarizing slots 1

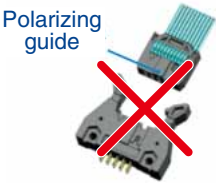
Incompatible Mating Combinations

10 pos.

- ◆Socket
- HIF3MAW-10D-2.54R



- ◆Pin header
- HIF3MAW-10PA-2.54DS(A)
- Number of polarizing guides 1 ≠ Number of polarizing slots 0

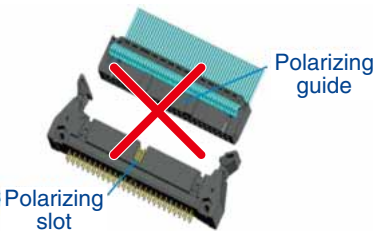


50 to 64 pos.

- ◆Socket
- HIF3MAW-*D-2.54R



- ◆Pin header
- HIF3MBW-*PA-2.54DS(A)
- Number of polarizing guides 2 ≠ Number of polarizing slots 1

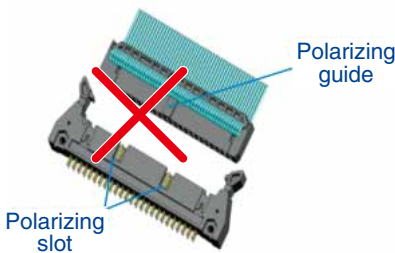


50 to 64 pos.

- ◆Socket
- HIF3MBW-*D-2.54R



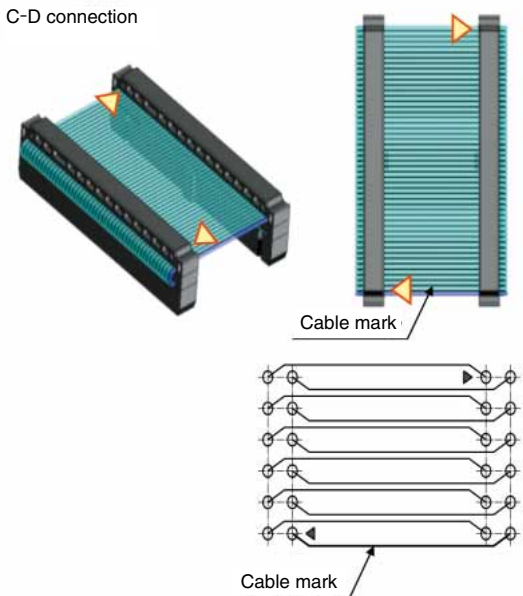
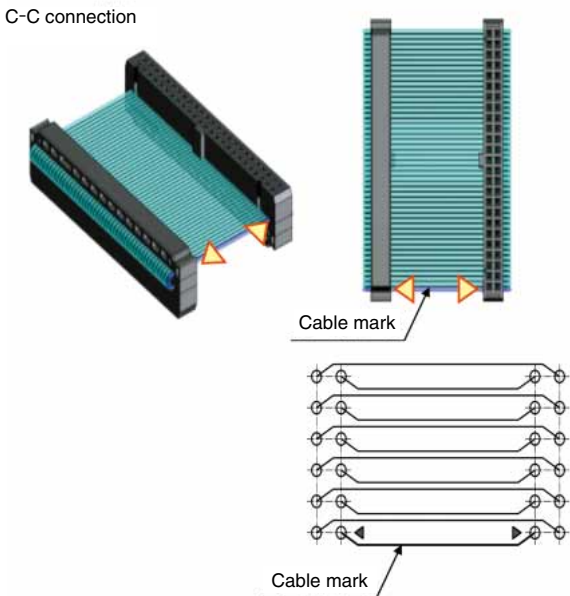
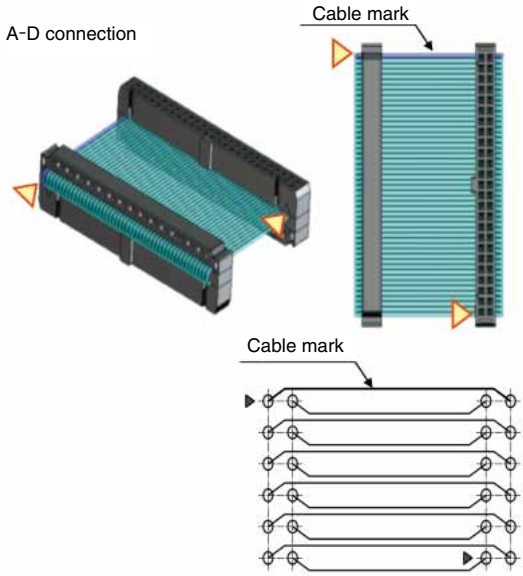
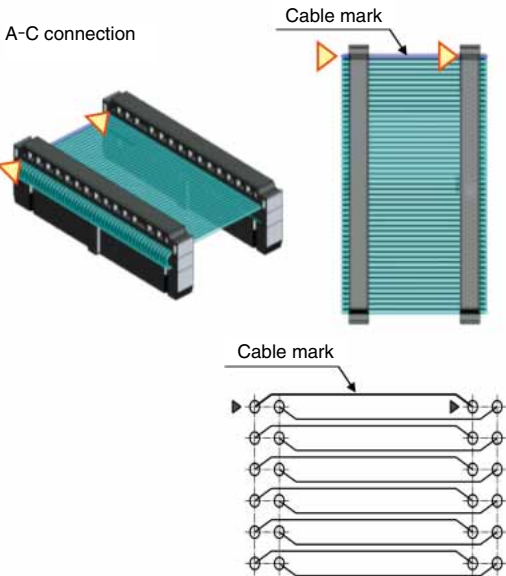
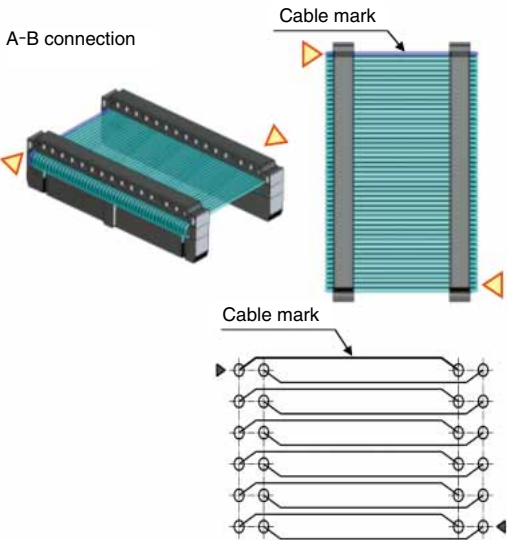
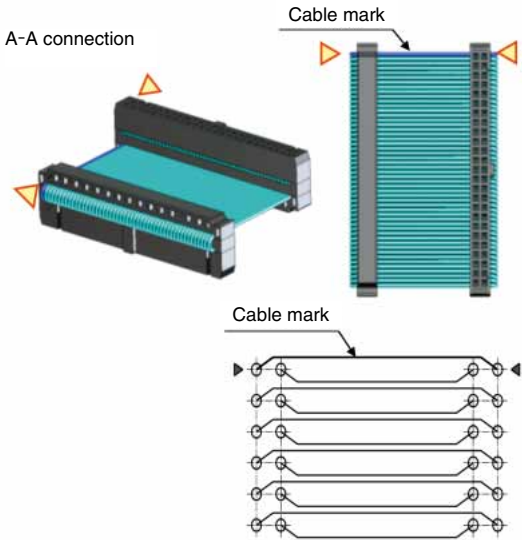
- ◆Pin header
- HIF3MAW-*PA-2.54DS(A)
- Number of polarizing guides 1 ≠ Number of polarizing slots 2



◆HIF3M*W-**D-2.54R Connection circuit diagram

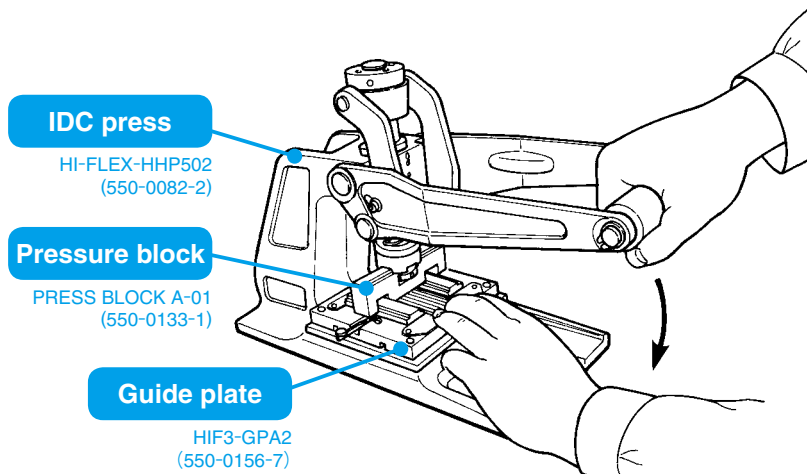
The following is the connection circuit diagram of cable-connected HIF3M*W-**D-2.54R.

▶ ...Polarizing mark position

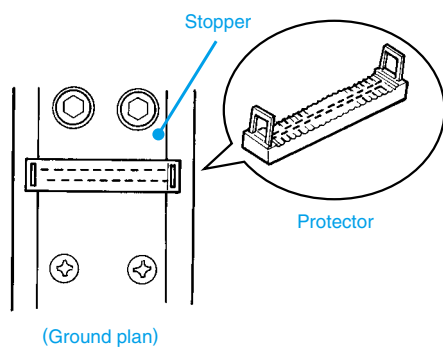


◆ How to assemble the socket side (IDC)

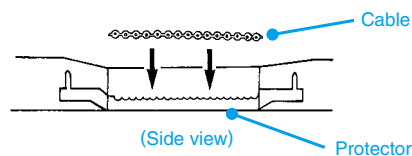
IDC press method : Dedicated tools as shown below are required for connection press of cables.



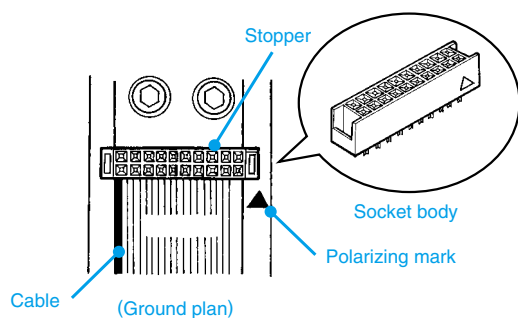
1. Place the protector on the guide plate.



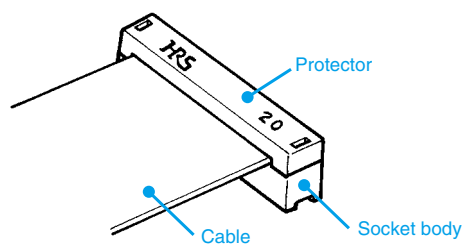
2. Place the cable on the top of the protector.



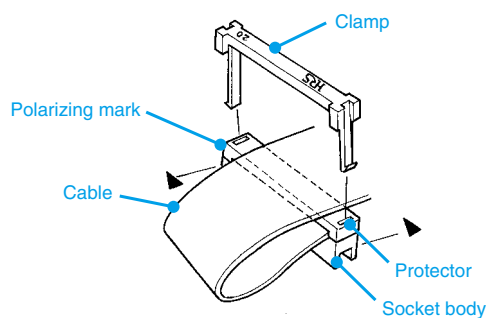
3. Place the socket body on the top of the cable.



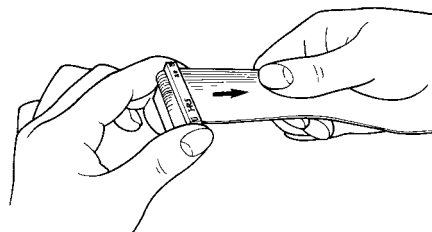
4. Depress the handle to terminate the socket body and the cable.



5. In order to enhance the connection reliability, fold back the cable and press down the clamp.



6. Pull the cable and eliminate deflection.



*For details on cable connection and applicable termination tools, see "HIF Series Ribbon Cable Connection Instruction Manual".
*HIF3M*W Series can be assembled by using the same tools with HIF Series.

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