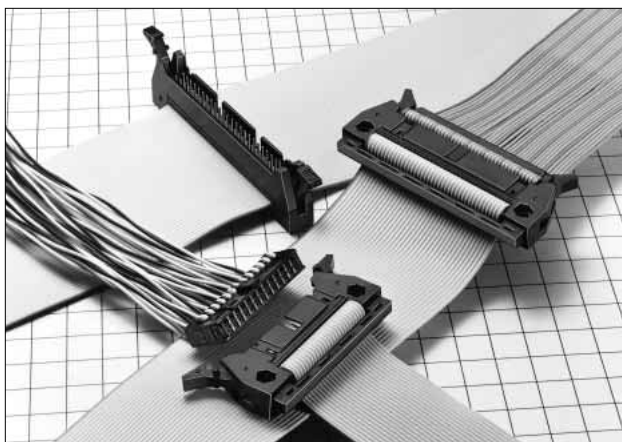


the Hirose website RoHS search at [www.hirose-connectors.com](http://www.hirose-connectors.com), or contact your Hirose sales representative



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

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 1 $\mu$ s or more	Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions.
5. Humidity (Steady state)	Insulation resistance: 1000M ohms min.	96 hours at temperature of 40°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 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.

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

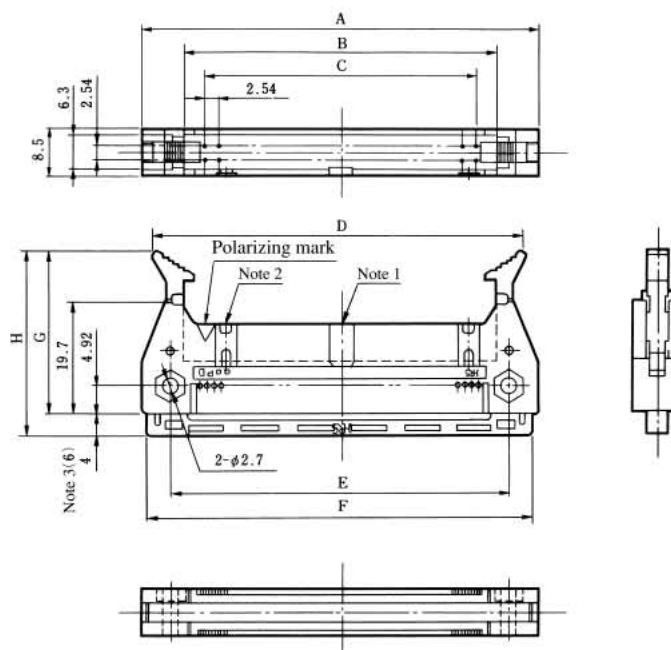
**HIF3BA** - **\*** **P** **D** - **2.54** **R** - **MC**

①                      ②    ③    ④                      ⑤                      ⑥                      ⑦

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

# HIF3B Series Ribbon Cable connector Compliant with MIL Standard

## ■ 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			One on right and left sides, resp.	
HIF3BA -50PD-2.54R-MC	611-0038-6	50	82.78	68.28	60.96	78.94	72.68	80.93				
HIF3BB -50PD-2.54R-MC	611-0041-0	50				MAX101.9						
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	
HIF3BB -64PD-2.54R-MC	611-0045-1	64	MAX119.7									

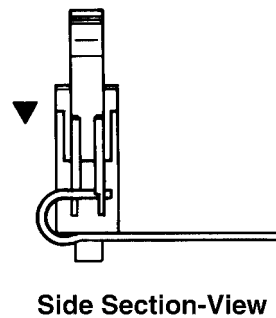
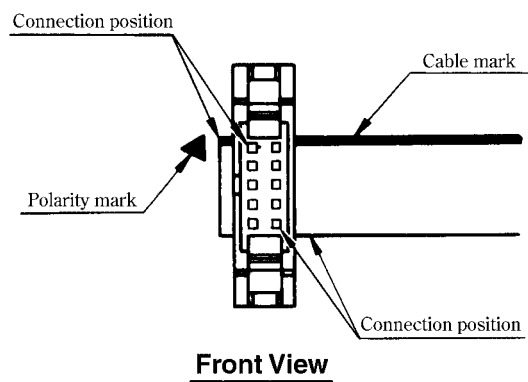
\*D size      locking size  
                  unlocking size

## ◆ Connection Procedures

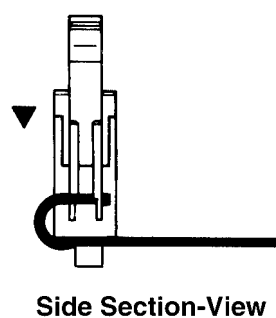
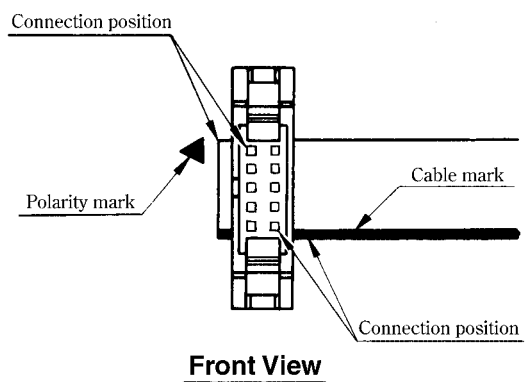
Note1: Cable length tolerance Less than 500  $\pm 1\%$  (mm)  
 More than 500  $\pm 3\%$  (mm)

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.

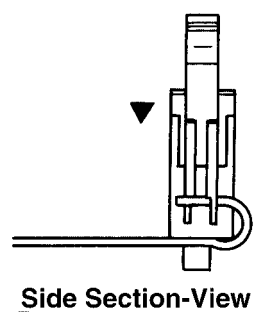
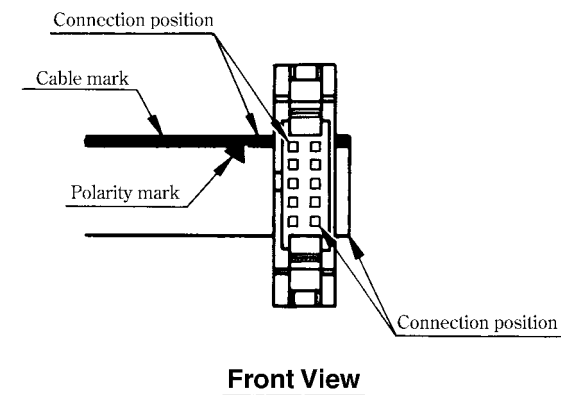
Type AO



Type BO



Type CO



Type DO

