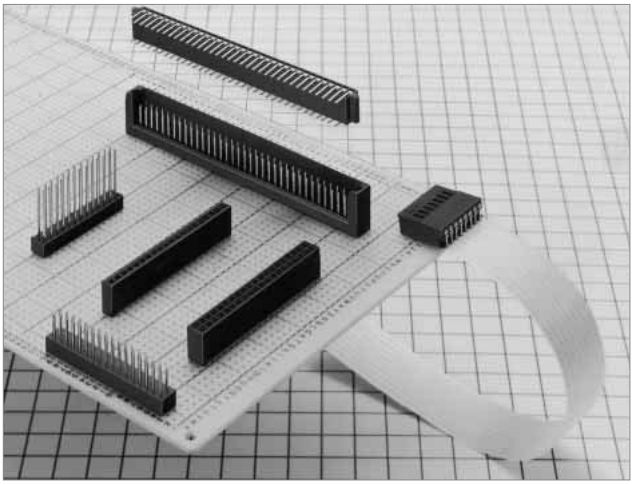
2.54mm Pitch Board to Board Connector

HIF3H Series



■Features

1. Product Variation

Afford to connect the board to board horizontally or vertically.

2. Compatibility

Achieve combination with other HIF3H series.

■Applications

Computers, termination equipment, various kinds of electronic equipment, Office Automation machines and so on

■Product Specifications

Rating	Current rating : 3A Voltage rating : 300V AC	Operating Temperature Range : -55 to +85℃ (Note 1) Operating Humidity Range : 40 to 80%	Storage Temperature Range : -10 to +60℃ (Note 2) Operating Humidity Range : 40 to 70% (Note 2)

Item	Specification	Condition
1. Insulation Resistance	1000MΩ	500V DC
2. Withstanding Voltage	No flashover or insulation breakdown.	1000V AC/1 minute.
3. Contact Resistance	15mΩ max.	Measured at 0.1A
4. Vibration	No electrical discontinuity of 1μs or more	Frequency : 10 to 55 Hz, single amplitude of 0.75mm, 2 hours in each of the 3 directions.
5. Humidity (Steady state)	Insulation resistance : 1000Ω min.	96 hours at temperature of 40℃ and humidity of 90% to 95%
6. Temperature Cycle	No damage, cracks, or parts looseness.	(-55℃ : 30 minutes→15 to 35℃: 5 minutes max.→ 125℃ : 30 minutes→15 to 35℃: 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℃ for 10 seconds
		Manual soldering : 360℃ 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.

■Material / Finish

Parts		Material	Finish	Remarks
Insulator		PBT	Black	UL94V-0
Receptacle Contact	DS	Phosphor bronze	Selective gold plated	———
	DSA			
Pin header		Brass or phosphor bronze	Selective gold plated	

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■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

HIF3H - ＊ P B - 2.54 DSA
❶ ❷ ❸ ❹ ❺ ❻

❶ Series Name	: HIF3H
❷ Number of contacts	: 4, 6, 10, 12, 14, 16, 20, 24, 26, 30, 34, 40, 50, 60
❸ P	: Pin header
❹ Contact material	A : Phosphor bronze (DS : brass) B : Brass
❺ Contact pitch	: 2.54mm
❻ Contact type	DS : Right angle type DSA : Straight type W : Wrapping type

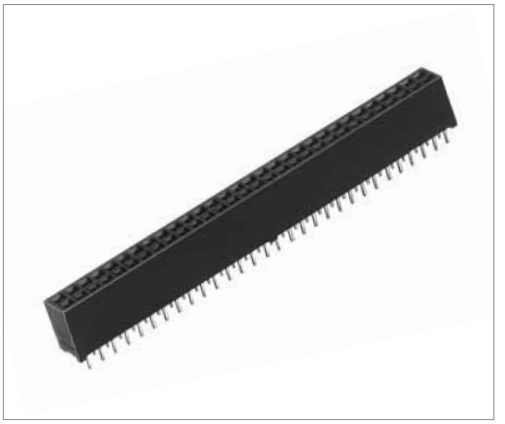
●Socket

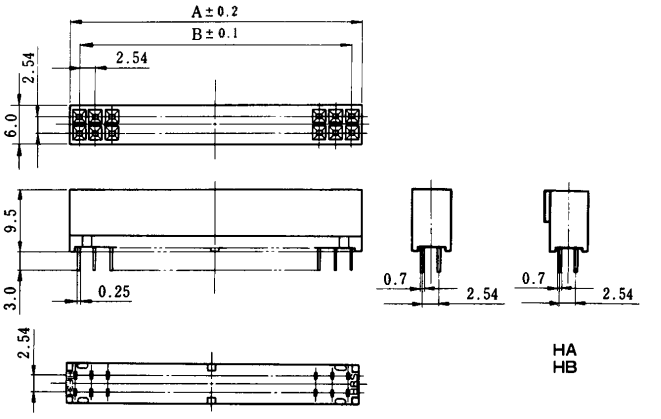
HIF3H A - ＊ D A - 2.54 DSA
❶ ❷ ❸ ❹ ❺ ❻ ❼

❶ Series Name	: HIF3H
❷ No symbol	: Standard A : With mis-insertion preventive guide B : Similarly, guide position center 1 point type for 50, 60 and 64 contacts
❸ Number of contacts	: 4, 6, 8, 10, 12, 14, 16, 18, 20, 24, 25, 26, 30, 34, 40, 50, 60, 64
❹ Contact alignment	: D : double rows S : single row
❺	A : Straight selective gold plated B : Right angle selective gold plated
❻ Contact pitch	: 2.54mm
❼ Contact type	DS : Right angle type DSA : Straight type

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■Receptacle Straight Through hole Type



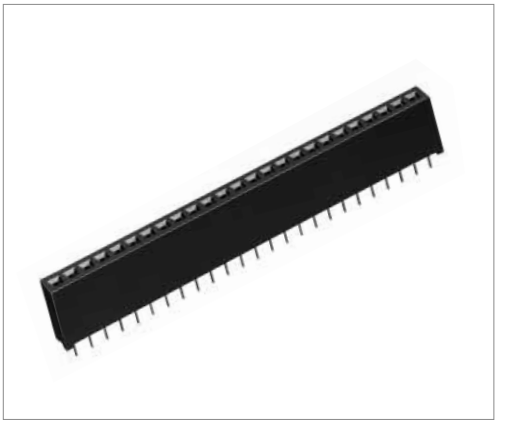


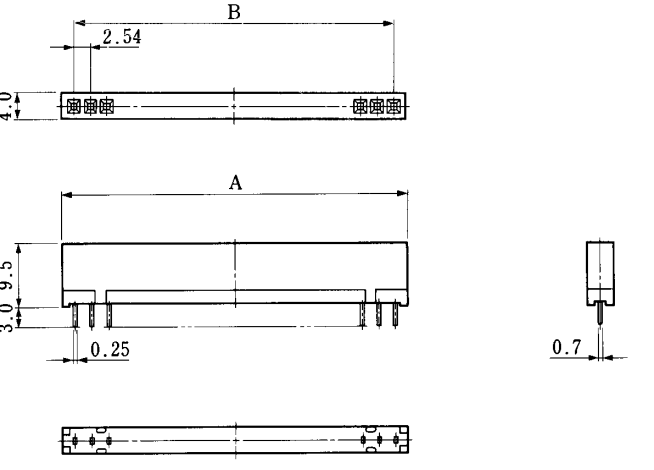
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H - 6DA-2.54DSA(61)	618-0139-8 61	6	8.62	5.08	YES
HIF3H -10DA-2.54DSA(61)	618-0101-5 61	10	13.7	10.16	
HIF3HA-10DA-2.54DSA(61)	618-0121-2 61				
HIF3H -12DA-2.54DSA(61)	618-0102-8 61	12	16.24	12.7	
HIF3H -16DA-2.54DSA(61)	618-0103-0 61	16	21.32	17.78	
HIF3HA-16DA-2.54DSA(61)	618-0123-8 61				
HIF3H -18DA-2.54DSA(61)	618-0111-9 61	18	23.86	20.32	
HIF3H -20DA-2.54DSA(61)	618-0104-3 61	20	26.4	22.86	
HIF3HA-20DA-2.54DSA(61)	618-0124-0 61				
HIF3H -24DA-2.54DSA(61)	618-0113-4 61	24	31.46	27.94	
HIF3H -26DA-2.54DSA(61)	618-0105-6 61	26	34.02	30.48	
HIF3HA-26DA-2.54DSA(61)	618-0125-3 61				

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H -30DA-2.54DSA(61)	618-0106-9 61	30	39.1	35.56	YES
HIF3HA-30DA-2.54DSA(61)	618-0126-6 61				
HIF3H -34DA-2.54DSA(61)	618-0107-1 61	34	44.18	40.64	
HIF3HA-34DA-2.54DSA(61)	618-0127-9 61				
HIF3H -40DA-2.54DSA(61)	618-0108-4 61	40	51.8	48.26	
HIF3HA-40DA-2.54DSA(61)	618-0128-1 61				
HIF3H -50DA-2.54DSA(61)	618-0109-7 61	50	64.5	60.96	
HIF3HA-50DA-2.54DSA(61)	618-0129-4 61				
HIF3HB-50DA-2.54DSA(61)	618-0131-6 61				
HIF3H -60DA-2.54DSA(61)	618-0110-6 61	60	77.2	73.66	
HIF3HA-60DA-2.54DSA(61)	618-0130-3 61				
HIF3HB-60DA-2.54DSA(61)	618-0132-9 61				
HIF3H -64DA-2.54DSA(61)	618-0112-1 61	64	82.28	78.74	
HIF3HA-64DA-2.54DSA(61)	618-0134-4 61				
HIF3HB-64DA-2.54DSA(61)	618-0133-1 61				

■Receptacle Straight Through hole Type





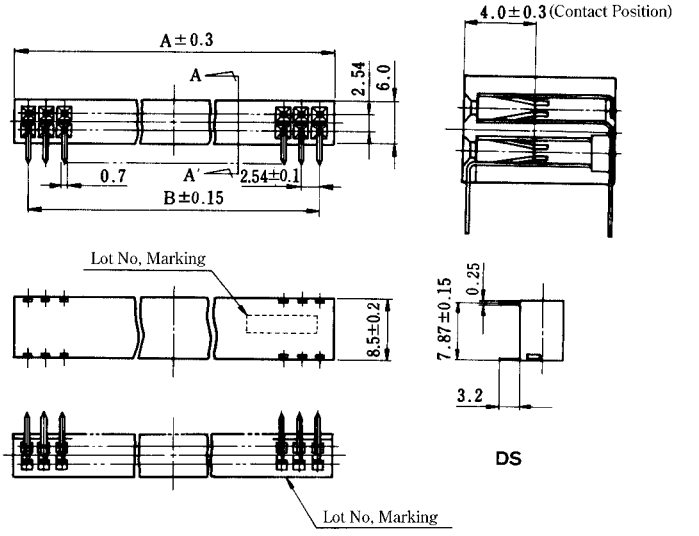
Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H-6SA-2.54DSA(61)	562-0713-1 61	6	16.24	12.7	YES
HIF3H-10SA-2.54DSA(61)	562-0719-8 61	10	26.4	22.86	
HIF3H-12SA-2.54DSA(61)	562-0723-5 61	12	31.48	27.94	
HIF3H-14SA-2.54DSA(61)	562-0655-7 61	14	36.56	33.02	
HIF3H-20SA-2.54DSA(61)	562-0704-0 61	20	51.8	48.26	
HIF3H-25SA-2.54DSA(61)	562-0705-3 61	25	64.5	60.96	

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■Receptacle Right Angle Through hole Type





Unit : mm

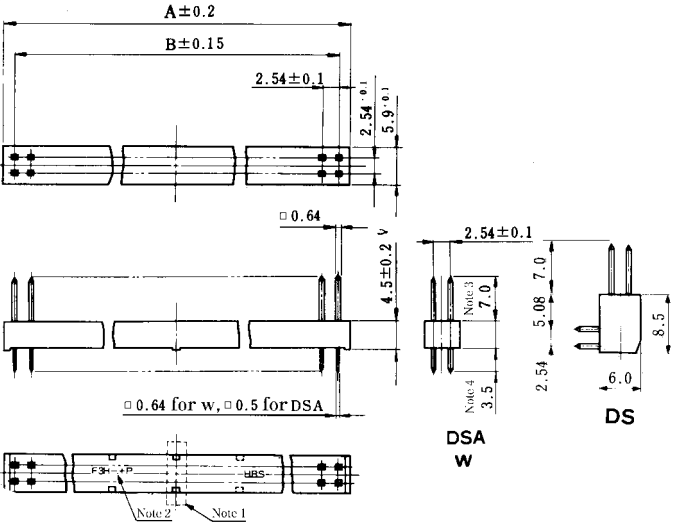
Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H- 4DB-2.54DS(61)	618-0150-0 61	4	6.0	2.54	YES
HIF3H- 8DB-2.54DS(61)	618-0153-9 61	8	11.16	7.62	
HIF3H-10DB-2.54DS(61)	618-0141-0 61	10	13.7	10.16	
HIF3H-12DB-2.54DS(61)	618-0152-6 61	12	16.24	12.70	
HIF3H-14DB-2.54DS(61)	618-0154-1 61	14	18.78	15.24	
HIF3H-16DB-2.54DS(61)	618-0142-2 61	16	21.32	17.78	

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H-18DB-2.54DS(61)	618-0165-8 61	18	23.86	20.32	YES
HIF3H-20DB-2.54DS(61)	618-0143-5 61	20	26.4	22.86	
HIF3H-24DB-2.54DS(61)	618-0216-7 61	24	31.48	27.94	
HIF3H-26DB-2.54DS(61)	618-0144-8 61	26	34.02	30.48	
HIF3H-30DB-2.54DS(61)	618-0145-0 61	30	39.1	35.56	
HIF3H-34DB-2.54DS(61)	618-0146-3 61	34	44.18	40.64	
HIF3H-40DB-2.54DS(61)	618-0147-6 61	40	51.8	48.26	
HIF3H-50DB-2.54DS(61)	618-0148-9 61	50	64.5	60.96	
HIF3H-60DB-2.54DS(61)	618-0149-1 61	60	77.2	73.66	

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■Pin Header Through hole Type





Unit : mm

Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H- 4PA-2.54DS(61)	618-0073-1 61	4	6	2.54	YES
HIF3H- 6PB-2.54DSA(61)	618-0215-4 61	6	8.62	5.08	
HIF3H-10PB-2.54DSA(61)	618-0201-0 61	10	13.7	10.16	
HIF3H-10P -2.54W	618-0185-5				
HIF3H-12PB-2.54DSA(61)	618-0202-2 61	12	16.24	12.7	
HIF3H-14PB-2.54DSA(61)	618-0213-9 61	14	18.78	15.24	
HIF3H-16PB-2.54DSA(61)	618-0203-5 61	16	21.3	17.78	
HIF3H-16PA-2.54DS(61)	618-0065-3 61				
HIF3H-20PB-2.54DSA(61)	618-0204-8 61	20	26.4	22.86	
HIF3H-20P -2.54W	618-0183-0				
HIF3H-24PB-2.54DSA(61)	618-0205-0 61	24	31.46	27.94	
HIF3H-24PA-2.54DS(61)	618-0067-9 61				
HIF3H-26PB-2.54DSA(61)	618-0206-3 61	26	34.02	30.48	
HIF3H-26P -2.54W	618-0184-2				

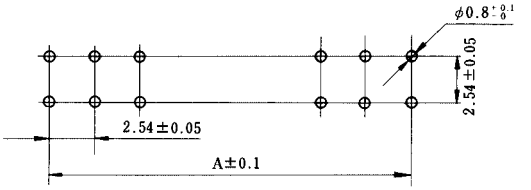
Part No.	HRS No.	No. of Contacts	A	B	RoHS
HIF3H-30PB-2.54DSA(61)	618-0207-6 61	30	39.1	35.56	YES
HIF3H-30P -2.54W	618-0186-8				
HIF3H-34PB-2.54DSA(61)	618-0208-9 61	34	44.18	40.64	
HIF3H-34P -2.54W	618-0181-4				
HIF3H-40PB-2.54DSA(61)	618-0209-1 61	40	51.8	48.26	
HIF3H-40P -2.54W	618-0182-7				
HIF3H-50PB-2.54DSA(61)	618-0210-0 61	50	64.5	60.96	
HIF3H-60PB-2.54DSA(61)	618-0211-3 61	60	77.2	73.66	
HIF3H-60P -2.54W	618-0187-0				

Note 1 : The stitch line area is divided in two for 50 and 60 contacts.
Note 2 : ✻indicates the number of contacts.
Note 3 : Wrapping is 6.0.
Note 4 : Wrapping is 16.0.

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◆PCB mounting pattern

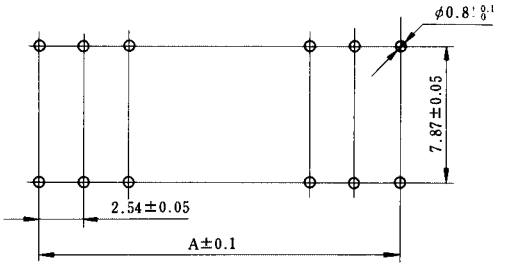
●Pin Header Straight and Right Angle Type



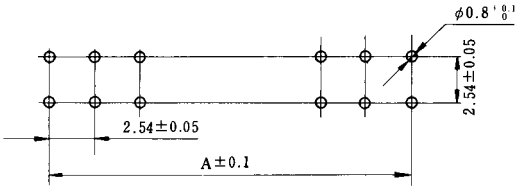
Size A List

No. of Contacts	A
4	2.54
6	5.08
8	7.62
10	10.16
12	12.7
14	15.24
16	17.78
18	20.32
20	22.86
24	27.94
26	30.48
30	35.56
34	40.64
40	48.26
50	60.96
60	73.66
64	78.74

●Receptacle Right Angle Type



●Receptacle Straight Type



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