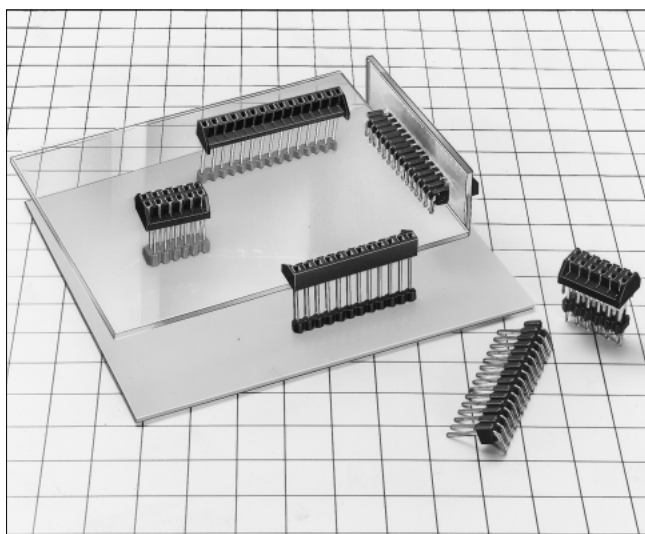


# 2.54mm Pitch Bottom Entry Type Connector

## MDF7 Series



Board to Board size Freely settable

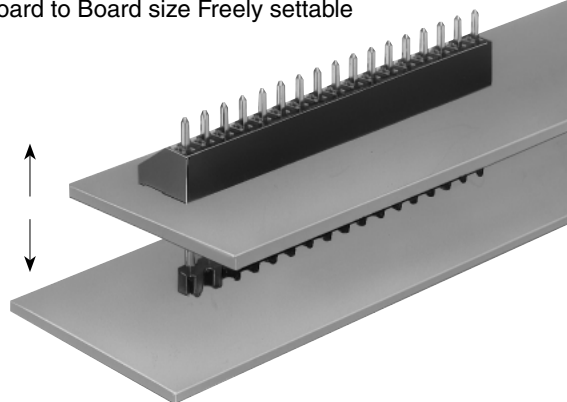


Fig.1

### ■ Features

#### 1. Board to Board Size Freely Settable

The board to board size can be set at infinite stages, according to the header pin through type structure and the diverse header variation.

The board to board size can be set at infinite stages.

#### 2. Integrity of Parts Mounted Surface

The parts mounted surface on two boards aren't face each other, and can be oriented in the same direction.

#### 3. Wide Variation

Single-row product, double-row product, tin plated and gold plated products are lined up. In addition, the header to correspond to the board to board size are prepared. Concerning board to board size, other products can be provided, in addition to products in this catalog. Please contact HRS company as required.

## Product Specifications

| Rating                               | Current rating: 3A                                                    | Operating Temperature Range: -35℃ to +85℃(Note 1)                                            | Storage Temperature Range: -10℃ to +60℃(Note 2) |
|--------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-------------------------------------------------|
|                                      | Voltage rating: 250V AC                                               | Operating Humidity Range: 40% to 80%                                                         | Storage Humidity Range: 40% to 70%(Note 2)      |
| Item                                 | Specification                                                         | Condition                                                                                    |                                                 |
| 1. Insulation Resistance             | 1000M Ω min.                                                          | 500V DC                                                                                      |                                                 |
| 2. Withstanding voltage              | No flashover or insulation breakdown.                                 | 650V AC/1 minute                                                                             |                                                 |
| 3. Contact Resistance                | 30m Ω max.                                                            | 100mA                                                                                        |                                                 |
| 4. Single Insertion/Extraction Force | MIN 0.4N(40gf), MAX 4.4N(450gf)                                       | Measured by the square steel pin with 0.635±0.002mm                                          |                                                 |
| 5. Vibration                         | No electrical discontinuity of 10 μs or more                          | Frequency: 10 to 55 Hz, single amplitude of 0.75 mm, 2 hours in each of the 3 directions.    |                                                 |
| 6. Humidity (Steady state)           | Contact resistance: 30m Ω max.                                        | 96 hours at temperature of                                                                   |                                                 |
| 7. Temperature Cycle                 | Contact resistance: 30m Ω max.<br>Insulation resistance: 1000M Ω min. | (-55℃: 30 minutes, 5 to 35℃: 10 minutes<br>85℃: 30 minutes, 5 to 35℃: 10 minutes)<br>5cycles |                                                 |
| 8. Durability (Mating/un-mating)     | Contact resistance: 30m Ω max.                                        | Tin plating : 30 cycles<br>Gold plating : 50 cycles                                          |                                                 |
| 9. Resistance to Soldering heat      | No deformation of components affecting performance.                   | Flow: 260℃ for 10 seconds<br>Manual soldering: 350℃ for 3 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.

## Material

| Product    | Part      | Material        | Finish                         | Remarks |
|------------|-----------|-----------------|--------------------------------|---------|
| Receptacle | Insulator | Polyamide       | Black                          | UL94V-0 |
|            | Contact   | Phosphor bronze | Tin plated or gold plated      | ————    |
| Pin Header | Insulator | PBT             | Main unit: Black/Locator: Gray | UL94V-0 |
|            | Contact   | Brass           | Tin plated or gold plated      | ————    |

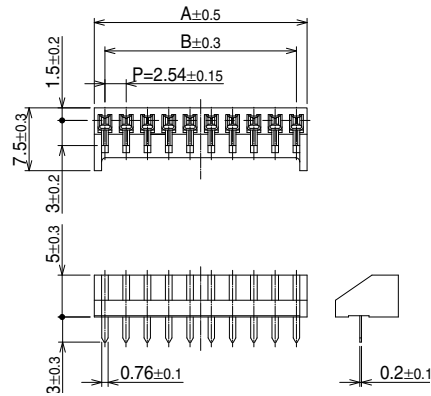
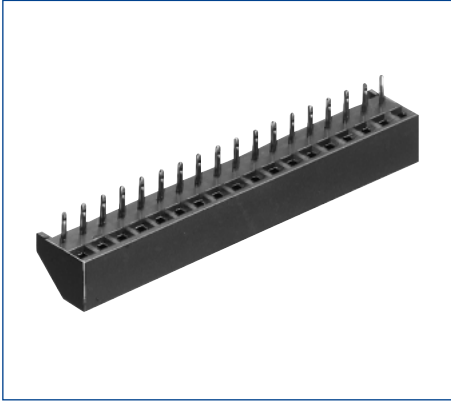
## Ordering Information

**MDF7   -   \* S   -   2.54   DSA   (\*\*)**

①                      ②   ③                      ④                      ⑤                      ⑥

|                                                                                                                                      |                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① Series Name: MDF7                                                                                                                  | ⑥ Receptacle<br>(55): Tin plated (100 pcs/pack)<br>(56): Gold plated (100 pcs/pack)<br>Pin Header<br>P (55) : Tin plated (100 pcs/pack)<br>(01) : Gold plated (100 pcs/pack)<br>DP (55) : Tin plated (100 pcs/pack)<br>Blank : Gold plated (100 pcs/pack) |
| ② Number of contacts: 3 to 46                                                                                                        |                                                                                                                                                                                                                                                           |
| ③ Connector Type<br>S : Single row receptacle<br>D : Double row receptacle<br>P : Single row pin header<br>DP: Double row pin header |                                                                                                                                                                                                                                                           |
| ④ Contact Pitch : 2.54mm                                                                                                             |                                                                                                                                                                                                                                                           |
| ⑤ Contact type<br>DSA : Straight through hole<br>DS : Right Angle through hole                                                       |                                                                                                                                                                                                                                                           |

## Single Row Receptacle



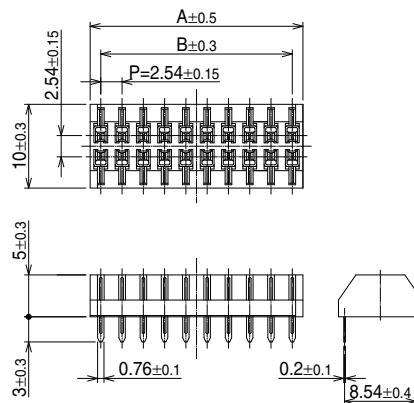
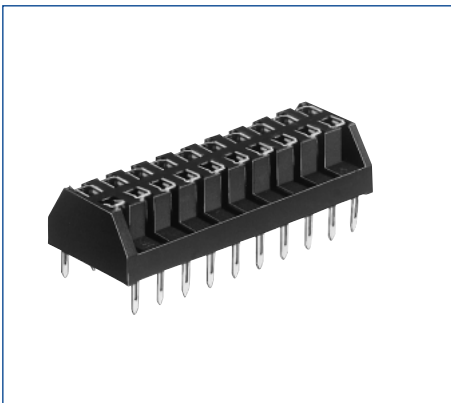
[Specific No.] - \* \*, (\* \*)  
 (55) : Tin plated  
 (56) : Gold plated

Unit: mm

| Part No.             | HRS No.       | No. of Contacts | A     | B     | RoHS | Part No.             | HRS No.       | No. of Contacts | A     | B     | RoHS |
|----------------------|---------------|-----------------|-------|-------|------|----------------------|---------------|-----------------|-------|-------|------|
| MDF7-3S-2.54DSA(**)  | 547-0355-0 ** | 3               | 7.62  | 5.08  | Yes  | MDF7-15S-2.54DSA(**) | 547-0012-4 ** | 15              | 38.10 | 35.56 | Yes  |
| MDF7-5S-2.54DSA(**)  | 547-0112-9 ** | 5               | 12.70 | 10.16 |      | MDF7-16S-2.54DSA(**) | 547-0141-7 ** | 16              | 40.64 | 38.10 |      |
| MDF7-6S-2.54DSA(**)  | 547-0129-1 ** | 6               | 15.24 | 12.70 |      | MDF7-17S-2.54DSA(**) | 547-0142-0 ** | 17              | 43.18 | 40.64 |      |
| MDF7-7S-2.54DSA(**)  | 547-0135-4 ** | 7               | 17.78 | 15.24 |      | MDF7-18S-2.54DSA(**) | 547-0013-7 ** | 18              | 45.72 | 43.18 |      |
| MDF7-8S-2.54DSA(**)  | 547-0136-7 ** | 8               | 20.32 | 17.78 |      | MDF7-19S-2.54DSA(**) | 547-0143-2 ** | 19              | 48.26 | 45.72 |      |
| MDF7-9S-2.54DSA(**)  | 547-0137-0 ** | 9               | 22.86 | 20.32 |      | MDF7-20S-2.54DSA(**) | 547-0051-6 ** | 20              | 50.80 | 48.26 |      |
| MDF7-10S-2.54DSA(**) | 547-0038-8 ** | 10              | 25.40 | 22.86 |      | MDF7-21S-2.54DSA(**) | 547-0144-5 ** | 21              | 53.34 | 50.80 |      |
| MDF7-11S-2.54DSA(**) | 547-0138-2 ** | 11              | 27.94 | 25.40 |      | MDF7-22S-2.54DSA(**) | 547-0145-8 ** | 22              | 55.88 | 53.34 |      |
| MDF7-12S-2.54DSA(**) | 547-0040-0 ** | 12              | 30.48 | 27.94 |      | MDF7-23S-2.54DSA(**) | 547-0146-0 ** | 23              | 58.42 | 55.88 |      |
| MDF7-13S-2.54DSA(**) | 547-0139-5 ** | 13              | 33.02 | 30.48 |      | MDF7-24S-2.54DSA(**) | 547-0147-3 ** | 24              | 60.96 | 58.42 |      |
| MDF7-14S-2.54DSA(**) | 547-0140-4 ** | 14              | 35.56 | 33.02 |      | MDF7-25S-2.54DSA(**) | 547-0014-0 ** | 25              | 63.50 | 60.96 |      |

Note: The quantity for delivery is determined 100 pcs/pack. Please order the products per pack.

## Double Row Receptacle

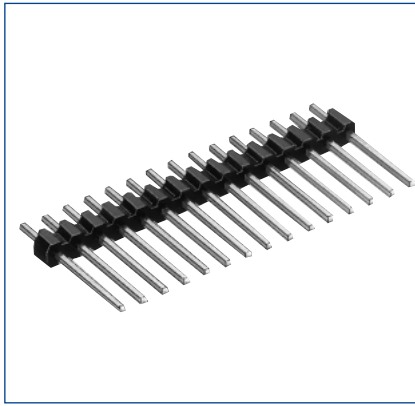


Unit: mm

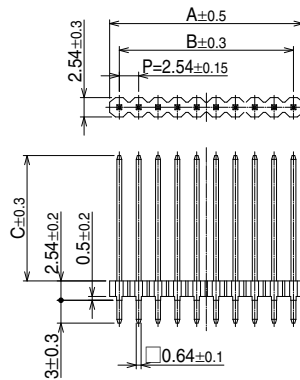
| Part No.             | HRS No.       | No. of Contacts | A     | B     | RoHS | [Specific No.] - * *, (* *) (Note 2) |
|----------------------|---------------|-----------------|-------|-------|------|--------------------------------------|
| MDF7-12D-2.54DSA(**) | 547-0032-1 ** | 12              | 15.24 | 12.70 | Yes  | (55) : Tin plated                    |
| MDF7-14D-2.54DSA(**) | 547-0354-8 ** | 14              | 17.78 | 15.24 |      | (56) : Gold plated                   |
| MDF7-16D-2.54DSA(**) | 547-0363-9 ** | 16              | 20.32 | 17.78 |      |                                      |
| MDF7-20D-2.54DSA(**) | 547-0033-4 ** | 20              | 25.40 | 22.86 |      |                                      |
| MDF7-22D-2.54DSA(**) | 547-0246-5 ** | 22              | 27.94 | 25.40 |      |                                      |
| MDF7-24D-2.54DSA(**) | 547-0244-0 ** | 24              | 30.48 | 27.94 |      |                                      |
| MDF7-26D-2.54DSA(**) | 547-0247-8 ** | 26              | 33.02 | 30.48 |      |                                      |
| MDF7-30D-2.54DSA(**) | 547-0016-5 ** | 30              | 38.10 | 35.56 |      |                                      |
| MDF7-34D-2.54DSA(**) | 547-0227-0 ** | 34              | 43.18 | 40.64 |      |                                      |
| MDF7-40D-2.54DSA(**) | 547-0228-3 ** | 40              | 50.80 | 48.26 |      |                                      |
| MDF7-46D-2.54DSA(**) | 547-0229-6 ** | 46              | 58.42 | 55.88 |      |                                      |
| MDF7-48D-2.54DSA(**) | 547-0060-7 ** | 48              | 60.96 | 58.42 |      |                                      |

Note 1: A quantity for delivery is determined 100 pcs/pack. Please order the products per pack.

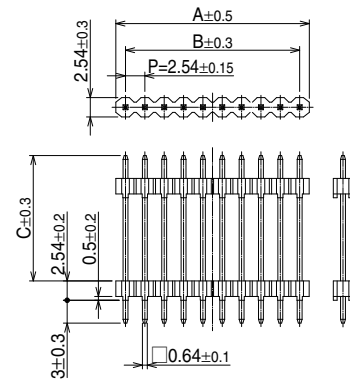
## Single Row Straight Pin Header



● Board Through-hole Diameter:  $\phi 1.0^{+0.1}_0$



[without locator]



[with locator]

[Specific No.] - \* \*, (\* \*)  
(55) : Tin plated  
(01) : Gold plated

### ● MDF7 (PCB distance: 2.54 to 5.5mm)

Unit: mm

| Part No.             | HRS No.       | No. of Contacts | A     | B     | C  | RoHS |
|----------------------|---------------|-----------------|-------|-------|----|------|
| MDF7-3P-2.54DSA(**)  | 547-0220-1 ** | 3               | 7.62  | 5.08  | 10 | Yes  |
| MDF7-5P-2.54DSA(**)  | 547-0113-1 ** | 5               | 12.70 | 10.16 |    |      |
| MDF7-6P-2.54DSA(**)  | 547-0130-0 ** | 6               | 15.24 | 12.70 |    |      |
| MDF7-7P-2.54DSA(**)  | 547-0148-6 ** | 7               | 17.78 | 15.24 |    |      |
| MDF7-8P-2.54DSA(**)  | 547-0149-9 ** | 8               | 20.32 | 17.78 |    |      |
| MDF7-9P-2.54DSA(**)  | 547-0150-8 ** | 9               | 22.86 | 20.32 |    |      |
| MDF7-10P-2.54DSA(**) | 547-0039-0 ** | 10              | 25.40 | 22.86 |    |      |
| MDF7-11P-2.54DSA(**) | 547-0151-0 ** | 11              | 27.94 | 25.40 |    |      |
| MDF7-12P-2.54DSA(**) | 547-0043-8 ** | 12              | 30.48 | 27.94 |    |      |
| MDF7-13P-2.54DSA(**) | 547-0152-3 ** | 13              | 33.02 | 30.48 |    |      |
| MDF7-14P-2.54DSA(**) | 547-0153-6 ** | 14              | 35.56 | 33.02 |    |      |
| MDF7-15P-2.54DSA(**) | 547-0018-0 ** | 15              | 38.10 | 35.56 |    |      |
| MDF7-16P-2.54DSA(**) | 547-0111-6 ** | 16              | 40.64 | 38.10 |    |      |
| MDF7-17P-2.54DSA(**) | 547-0154-9 ** | 17              | 43.18 | 40.64 |    |      |
| MDF7-18P-2.54DSA(**) | 547-0022-8 ** | 18              | 45.72 | 43.18 |    |      |
| MDF7-19P-2.54DSA(**) | 547-0155-1 ** | 19              | 48.26 | 45.72 |    |      |
| MDF7-20P-2.54DSA(**) | 547-0123-5 ** | 20              | 50.80 | 48.26 |    |      |
| MDF7-21P-2.54DSA(**) | 547-0156-4 ** | 21              | 53.34 | 50.80 |    |      |
| MDF7-22P-2.54DSA(**) | 547-0157-7 ** | 22              | 55.88 | 53.34 |    |      |
| MDF7-23P-2.54DSA(**) | 547-0158-0 ** | 23              | 58.42 | 55.88 |    |      |
| MDF7-24P-2.54DSA(**) | 547-0159-2 ** | 24              | 60.96 | 58.42 |    |      |
| MDF7-25P-2.54DSA(**) | 547-0023-0 ** | 25              | 63.50 | 60.96 |    |      |

### ● MDF7B (PCB distance: 2.54 to 12mm)

Unit: mm

| Part No.              | HRS No.       | No. of Contacts | A     | B     | C     | RoHS |
|-----------------------|---------------|-----------------|-------|-------|-------|------|
| MDF7B-3P-2.54DSA(**)  | 547-0304-0 ** | 3               | 7.62  | 5.08  | 16.46 | Yes  |
| MDF7B-5P-2.54DSA(**)  | 547-0133-9 ** | 5               | 12.70 | 10.16 |       |      |
| MDF7B-6P-2.54DSA(**)  | 547-0131-3 ** | 6               | 15.24 | 12.70 |       |      |
| MDF7B-7P-2.54DSA(**)  | 547-0177-4 ** | 7               | 17.78 | 15.24 |       |      |
| MDF7B-8P-2.54DSA(**)  | 547-0178-7 ** | 8               | 20.32 | 17.78 |       |      |
| MDF7B-9P-2.54DSA(**)  | 547-0179-0 ** | 9               | 22.86 | 20.32 |       |      |
| MDF7B-10P-2.54DSA(**) | 547-0048-1 ** | 10              | 25.40 | 22.86 |       |      |
| MDF7B-11P-2.54DSA(**) | 547-0047-9 ** | 11              | 27.94 | 25.40 |       |      |
| MDF7B-12P-2.54DSA(**) | 547-0041-2 ** | 12              | 30.48 | 27.94 |       |      |
| MDF7B-13P-2.54DSA(55) | 547-0180-9 55 | 13              | 33.02 | 30.48 |       |      |
| MDF7B-14P-2.54DSA(55) | 547-0181-1 55 | 14              | 35.56 | 33.02 |       |      |
| MDF7B-15P-2.54DSA(**) | 547-0024-3 ** | 15              | 38.10 | 35.56 |       |      |
| MDF7B-16P-2.54DSA(**) | 547-0182-4 ** | 16              | 40.64 | 38.10 |       |      |
| MDF7B-17P-2.54DSA(55) | 547-0183-7 55 | 17              | 43.18 | 40.64 |       |      |
| MDF7B-18P-2.54DSA(55) | 547-0025-6 55 | 18              | 45.72 | 43.18 |       |      |
| MDF7B-19P-2.54DSA(55) | 547-0184-0 55 | 19              | 48.26 | 45.72 |       |      |
| MDF7B-20P-2.54DSA(**) | 547-0052-9 ** | 20              | 50.80 | 48.26 |       |      |
| MDF7B-21P-2.54DSA(55) | 547-0185-2 55 | 21              | 53.34 | 50.80 |       |      |
| MDF7B-22P-2.54DSA(55) | 547-0186-5 55 | 22              | 55.88 | 53.34 |       |      |
| MDF7B-23P-2.54DSA(55) | 547-0066-3 55 | 23              | 58.42 | 55.88 |       |      |
| MDF7B-24P-2.54DSA(55) | 547-0067-6 55 | 24              | 60.96 | 58.42 |       |      |
| MDF7B-25P-2.54DSA(55) | 547-0026-9 55 | 25              | 63.50 | 60.96 |       |      |

Note 1: PCB distance in the above table represents the case where the 1.6mm thickness board is used.

Note 2: The quantity for delivery is determined 100 pcs/pack. Please order the products per pack.

## ●MDF7P (PCB distance: 2.54 to 8mm)

Unit: mm

| Part No.              | HRS No.       | No. of Contacts | A     | B     | C    | RoHS |
|-----------------------|---------------|-----------------|-------|-------|------|------|
| MDF7P-3P-2.54DSA(01)  | 547-0462-0 01 | 3               | 7.62  | 5.08  | 12.5 | Yes  |
| MDF7P-5P-2.54DSA(**)  | 547-0511-4 ** | 5               | 12.70 | 10.16 |      |      |
| MDF7P-6P-2.54DSA(**)  | 547-0513-0 ** | 6               | 15.24 | 12.70 |      |      |
| MDF7P-7P-2.54DSA(**)  | ————          | 7               | 17.78 | 15.24 |      |      |
| MDF7P-8P-2.54DSA(55)  | 547-0514-2 55 | 8               | 20.32 | 17.78 |      |      |
| MDF7P-9P-2.54DSA(**)  | ————          | 9               | 22.86 | 20.32 |      |      |
| MDF7P-10P-2.54DSA(55) | 547-0360-0 55 | 10              | 25.40 | 22.86 |      |      |
| MDF7P-11P-2.54DSA(**) | ————          | 11              | 27.94 | 25.40 |      |      |
| MDF7P-12P-2.54DSA(55) | 547-0345-7 55 | 12              | 30.48 | 27.94 |      |      |
| MDF7P-13P-2.54DSA(**) | ————          | 13              | 33.02 | 30.48 |      |      |
| MDF7P-14P-2.54DSA(55) | 547-0385-1 55 | 14              | 35.56 | 33.02 |      |      |
| MDF7P-15P-2.54DSA(55) | 547-0230-5 55 | 15              | 38.10 | 35.56 |      |      |
| MDF7P-16P-2.54DSA(55) | 547-0346-0 55 | 16              | 40.64 | 38.10 |      |      |
| MDF7P-17P-2.54DSA(**) | ————          | 17              | 43.18 | 40.64 |      |      |
| MDF7P-18P-2.54DSA(**) | ————          | 18              | 45.72 | 43.18 |      |      |
| MDF7P-19P-2.54DSA(55) | 547-0347-2 55 | 19              | 48.26 | 45.72 |      |      |
| MDF7P-20P-2.54DSA(**) | ————          | 20              | 50.80 | 48.26 |      |      |
| MDF7P-21P-2.54DSA(**) | ————          | 21              | 53.34 | 50.80 |      |      |
| MDF7P-22P-2.54DSA(**) | ————          | 22              | 55.88 | 53.34 |      |      |
| MDF7P-23P-2.54DSA(**) | ————          | 23              | 58.42 | 55.88 |      |      |
| MDF7P-24P-2.54DSA(**) | ————          | 24              | 60.96 | 58.42 |      |      |
| MDF7P-25P-2.54DSA(55) | 547-0348-5 55 | 25              | 63.50 | 60.96 |      |      |

## ●MDF7C (PCB distance: 5.08 to 15mm, with Locator)

Unit: mm

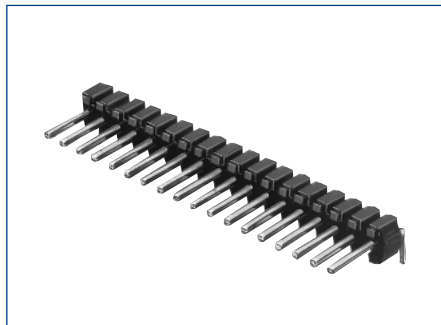
| Part No.              | HRS No.       | No. of Contacts | A     | B     | C     | RoHS |
|-----------------------|---------------|-----------------|-------|-------|-------|------|
| MDF7C-3P-2.54DSA(**)  | 547-0489-7 ** | 3               | 7.62  | 5.08  | 19.46 | Yes  |
| MDF7C-5P-2.54DSA(**)  | 547-0344-4 ** | 5               | 12.70 | 10.16 |       |      |
| MDF7C-6P-2.54DSA(55)  | 547-0268-8 55 | 6               | 15.24 | 12.70 |       |      |
| MDF7C-7P-2.54DSA(**)  | 547-0378-6 ** | 7               | 17.78 | 15.24 |       |      |
| MDF7C-8P-2.54DSA(55)  | 547-0375-8 55 | 8               | 20.32 | 17.78 |       |      |
| MDF7C-9P-2.54DSA(55)  | 547-0506-4 55 | 9               | 22.86 | 20.32 |       |      |
| MDF7C-10P-2.54DSA(55) | 547-0191-5 55 | 10              | 25.40 | 22.86 |       |      |
| MDF7C-11P-2.54DSA(55) | 547-0376-0 55 | 11              | 27.97 | 25.40 |       |      |
| MDF7C-12P-2.54DSA(**) | 547-0475-2 ** | 12              | 30.48 | 27.94 |       |      |
| MDF7C-13P-2.54DSA(55) | 547-0401-6 55 | 13              | 33.02 | 30.48 |       |      |
| MDF7C-14P-2.54DSA(55) | 547-0380-8 55 | 14              | 35.56 | 33.02 |       |      |
| MDF7C-15P-2.54DSA(55) | 547-0187-8 55 | 15              | 38.10 | 35.56 |       |      |
| MDF7C-16P-2.54DSA(**) | ————          | 16              | 40.64 | 38.10 |       |      |
| MDF7C-17P-2.54DSA(**) | ————          | 17              | 43.18 | 40.64 |       |      |
| MDF7C-18P-2.54DSA(55) | 547-0029-7 55 | 18              | 45.72 | 43.18 |       |      |
| MDF7C-19P-2.54DSA(55) | 547-0361-3 55 | 19              | 48.26 | 45.72 |       |      |
| MDF7C-20P-2.54DSA(**) | 547-0198-4 ** | 20              | 50.80 | 48.26 |       |      |
| MDF7C-21P-2.54DSA(**) | ————          | 21              | 53.34 | 50.80 |       |      |
| MDF7C-22P-2.54DSA(**) | ————          | 22              | 55.88 | 53.34 |       |      |
| MDF7C-23P-2.54DSA(55) | 547-0909-0 55 | 23              | 58.42 | 55.88 |       |      |
| MDF7C-24P-2.54DSA(**) | ————          | 24              | 60.96 | 58.42 |       |      |
| MDF7C-25P-2.54DSA(55) | 547-0305-2 55 | 25              | 63.50 | 60.96 |       |      |

Note 1: PCB distance in the above table represents the case where the 1.6mm thickness board is used.

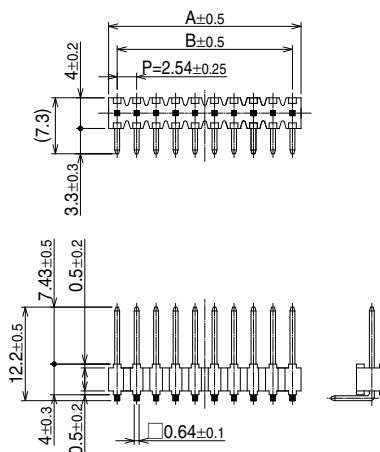
Note 2: A quantity for delivery is determined 100 pcs/pack. Please order the products per pack.

Note 3: As for the products, which HRS No. is not indicated in the above table, we will correspond to samples, and mass-production according to your demand. Please contact our account executive, as required.

## Single-Row Right Angle Pin Header



●Board Through-hole Diameter:  $\phi 1.0^{+0.1}_0$



[Specific No.] —\* \*, (\* \*)  
 (55) : Tin plated  
 (56) : Gold plated

Unit: mm

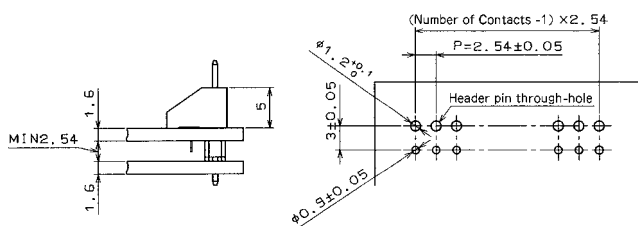
| Part No.            | HRS No.       | No. of Contacts | A     | B     | RoHS | Part No.            | HRS No.       | No. of Contacts | A     | B     | RoHS |
|---------------------|---------------|-----------------|-------|-------|------|---------------------|---------------|-----------------|-------|-------|------|
| MDF7-5P-2.54DS(**)  | 547-0160-1 ** | 5               | 12.70 | 10.16 | Yes  | MDF7-16P-2.54DS(**) | 547-0169-6 ** | 16              | 40.64 | 38.10 | Yes  |
| MDF7-6P-2.54DS(**)  | 547-0161-4 ** | 6               | 15.24 | 12.70 |      | MDF7-17P-2.54DS(**) | 547-0170-5 ** | 17              | 43.18 | 40.64 |      |
| MDF7-7P-2.54DS(**)  | 547-0162-7 ** | 7               | 17.78 | 15.24 |      | MDF7-18P-2.54DS(**) | 547-0019-3 ** | 18              | 45.72 | 43.18 |      |
| MDF7-8P-2.54DS(**)  | 547-0163-0 ** | 8               | 20.32 | 17.78 |      | MDF7-19P-2.54DS(**) | 547-0171-8 ** | 19              | 48.26 | 45.72 |      |
| MDF7-9P-2.54DS(**)  | 547-0164-2 ** | 9               | 22.86 | 20.32 |      | MDF7-20P-2.54DS(**) | 547-0172-0 ** | 20              | 50.80 | 48.26 |      |
| MDF7-10P-2.54DS(**) | 547-0165-5 ** | 10              | 25.40 | 22.86 |      | MDF7-21P-2.54DS(**) | 547-0173-3 ** | 21              | 53.34 | 50.80 |      |
| MDF7-11P-2.54DS(**) | 547-0166-8 ** | 11              | 27.94 | 25.40 |      | MDF7-22P-2.54DS(**) | 547-0174-6 ** | 22              | 55.88 | 53.34 |      |
| MDF7-12P-2.54DS(**) | 547-0116-0 ** | 12              | 30.48 | 27.94 |      | MDF7-23P-2.54DS(**) | 547-0175-9 ** | 23              | 58.42 | 55.88 |      |
| MDF7-13P-2.54DS(**) | 547-0167-0 ** | 13              | 33.02 | 30.48 |      | MDF7-24P-2.54DS(**) | 547-0176-1 ** | 24              | 60.96 | 58.42 |      |
| MDF7-14P-2.54DS(**) | 547-0168-3 ** | 14              | 35.56 | 33.02 |      | MDF7-25P-2.54DS(**) | 547-0028-4 ** | 25              | 63.50 | 60.96 |      |
| MDF7-15P-2.54DS(**) | 547-0027-1 ** | 15              | 38.10 | 35.56 |      |                     |               |                 |       |       |      |

Note: A quantity for delivery is determined 100 pcs/pack. Please order the products per pack.

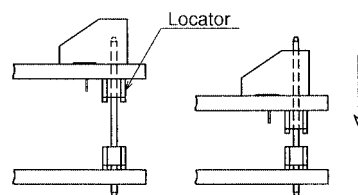
## Application Pattern and PCB mounting pattern

●When the single-row straight pin header is used

●When the header with locator is used



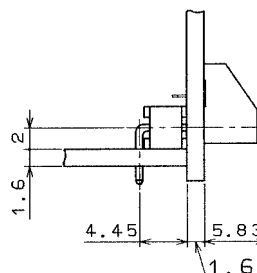
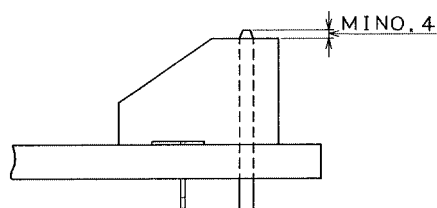
The locator moves as the connector is inserted.



●When the PCB distance is set to MAX

●When the right angle pin header is used

To separate clearance between the boards, the operation limit t is defined as the state where the male pin has passed through the receptacle.





**USA:**

**HIROSE ELECTRIC (U.S.A.), INC. HEADQUARTERS**  
 2688 Westhills Court, Simi Valley, CA 93065-6235  
 Phone : +1-805-522-7958  
 Fax : +1-805-522-3217  
<http://www.hirose.com/us/>

**USA:**

**HIROSE ELECTRIC (U.S.A.), INC. DETROIT OFFICE (AUTOMOTIVE)**  
 37677 Professional Center Drive, Suite #100C  
 Livonia, MI 48154  
 Phone : +1-734-542-9963  
 Fax : +1-734-542-9964  
<http://www.hirose.com/us/>

**GERMANY:**

**HIROSE ELECTRIC EUROPE B.V. NUERNBERG OFFICE**  
 Muggenhofer Str. 136 90429 Nuernberg  
 Phone : +49-911 32 68 89 63  
 Fax : +49-911 32 68 89 69  
<http://www.hirose.com/eu/>

**CHINA:**

**HIROSE ELECTRIC (SHANGHAI) CO., LTD. BEIJING BRANCH**  
 A1001, Ocean International Center, Building 56# East 4th  
 Ring Middle Road, ChaoYang District, Beijing, 100025  
 Phone : +86-10-5165-9332  
 Fax : +86-10-5908-1381  
<http://www.hirose.com/cn/>

**TAIWAN:**

**HIROSE ELECTRIC TAIWAN CO., LTD.**  
 103 8F, No.87, Zhengzhou Rd., Taipei  
 Phone : +886-2-2555-7377  
 Fax : +886-2-2555-7350  
<http://www.hirose.com/cn/>

**INDIA:**

**HIROSE ELECTRIC SINGAPORE PTE. LTD. DELHI LIAISON OFFICE**  
 Office NO.519, Regus-Green Boulevard, Level5, Tower C,  
 Sec62, Plot B-9A, Block B, Noida, 201301, Uttar Pradesh, India  
 Phone : +91-12-660-8018  
 Fax : +91-120-4804949  
<http://www.hirose.com/sg/>

**USA:**

**HIROSE ELECTRIC (U.S.A.), INC. SAN JOSE OFFICE**  
 3255 Scott Boulevard, Building 7, Suite 101  
 Santa Clara, CA 95054  
 Phone : +1-408-253-9640  
 Fax : +1-408-253-9641  
<http://www.hirose.com/us/>

**THE NETHERLANDS:**

**HIROSE ELECTRIC EUROPE B.V.**  
 Hogehillweg #8 1101 CC Amsterdam Z-O  
 Phone : +31-20-6557460  
 Fax : +31-20-6557469  
<http://www.hirose.com/eu/>

**UNITED KINGDOM:**

**HIROSE ELECTRIC EUROPE BV (UK BRANCH)**  
 4 Newton Court, Kelvin Drive, Knowlhill,  
 Milton Keynes, MK5 8NH  
 Phone : +44-1908 202050  
 Fax : +44-1908 202058  
<http://www.hirose.com/eu/>

**CHINA:**

**HIROSE ELECTRIC TECHNOLOGIES (SHENZHEN) CO., LTD.**  
 Room 09-13, 19/F, Office Tower Shun Hing Square, Di Wang Commercial Centre,  
 5002 Shen Nan Dong Road, Shenzhen City, Guangdong Province, 518008  
 Phone : +86-755-8207-0851  
 Fax : +86-755-8207-0873  
<http://www.hirose.com/cn/>

**KOREA:**

**HIROSE KOREA CO., LTD.**  
 1261-10, Jeoungwhang-Dong, Shihung-City,  
 Kyunggi-Do 429-450  
 Phone : +82-31-496-7000,7124  
 Fax : +82-31-496-7100  
<http://www.hirose.co.kr/>

**INDIA:**

**HIROSE ELECTRIC SINGAPORE PTE. LTD. BANGALORE LIAISON OFFICE**  
 Unit No.03, Ground Floor, Explorer Building International Tech  
 Park Whitefield Road, Bangalore 560066 Karnataka, India  
 Phone : +91-80-4120 1907  
 Fax : +91-80-4120 9908  
<http://www.hirose.com/sg/>

**USA:**

**HIROSE ELECTRIC (U.S.A.), INC. CHICAGO OFFICE**  
 580 Waters Edge Lane, Suite 205 Lombard IL  
 60148  
 Phone : +1-630-282-6706  
 Mail : [inquiries@hirose.com](mailto:inquiries@hirose.com)  
<http://www.hirose.com/us/>

**GERMANY:**

**HIROSE ELECTRIC EUROPE B.V. GERMAN BRANCH**  
 Herzog-Carl-Strasse 4 D-73760 Ostfildern  
 (Scharnhäuser Park)  
 Phone : +49-711-4560-02-1  
 Fax : +49-711-4560-02-299  
<http://www.hirose.com/eu/>

**CHINA:**

**HIROSE ELECTRIC (SHANGHAI) CO., LTD.**  
 1601, Henderson Metropolitan, NO.300, East Nanjing  
 Road, Huangpu District, Shanghai, China 200001  
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 Fax : +86-21-6391-3335  
<http://www.hirose.com/cn/>

**HONG KONG:**

**HIROSE ELECTRIC HONGKONG TRADING CO., LTD.**  
 Room 1001, West Wing, Tsim Sha Tsui Centre, 66  
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 Phone : +852-2803-5338  
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**SINGAPORE:**

**HIROSE ELECTRIC SINGAPORE PTE. LTD.**  
 10 Anson Road #26-1, International Plaza  
 079903, Singapore  
 Phone : +65-6324-6113  
 Fax : +65-6324-6123  
<http://www.hirose.com/sg/>

**MALAYSIA:**

**HIROSE ELECTRIC SINGAPORE PTE. LTD. (REPRESENTATIVE OFFICE)**  
 1-10-07, Suntech @ Penang Cybercity (1164), Lintang  
 Mayang Pasir 3, 11950, Bayan Baru, Penang, Malaysia.  
 Phone : +604-619-2564  
 Fax : +604-619-2574  
<http://www.hirose.com/sg/>

**HIROSE ELECTRIC CO., LTD.**

2-6-3, Nakagawa Chuoh, Tsuzuki-Ku, Yokohama-Shi 224-8540, JAPAN  
 TEL: +81-45-620-3526 Fax: +81-45-591-3726  
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