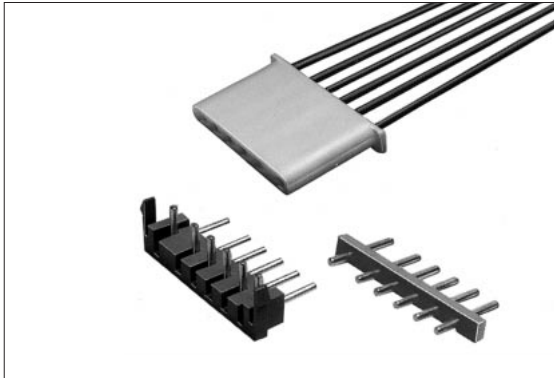# CRIMP CONNECTOR

MI Series 5.0mm Spacing

■ Features

1. MI series connectors are crimp type connectors featuring pins set at 5.0mm spacing. Socket and plug connections for this model measure 23.5mm high and 5.7mm thick.

2. Straight plug-in designs for plugs in this connector series are available in 6 different pin types (ranging from 1P to 6P; right-angle plug-in types are available with four pin types, ranging from 3P to 6P.

3. The housing section is made of Polyamide (94V-0); the terminal section is made of copper alloy (bass).

■ Specifications

1. Rating : 5A 250V AC/DC
2. Contact Resistance : 20mΩ max.
3. Insulation Resistance :
       1,000MΩ min. at 500V DC
4. Withstanding Voltage :
       1500V AC for one minute
5. Operating Temperature :
       -25°C to +85°C
6. Applicable Wire Size : SWG18 to 24
       (Sheath dia. ϕ 0.9mm to ϕ 3.0mm)
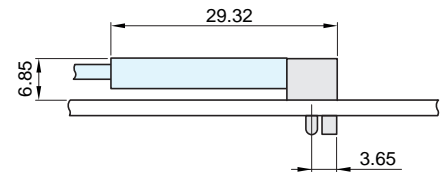7. Applicable PC Board Thickness: 1.6mm

■ NOTE

Contact the company directly if additional specifications are desired.
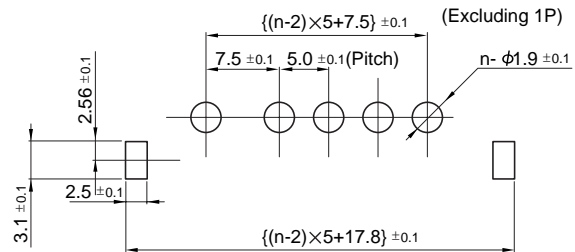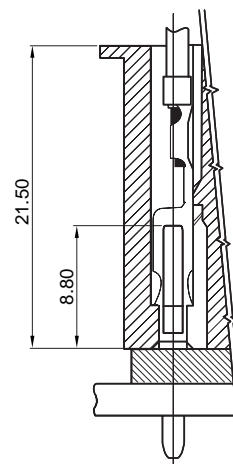
■ Connection Diagram
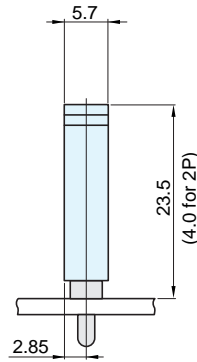
Straight Type   **Right-Angle Type**
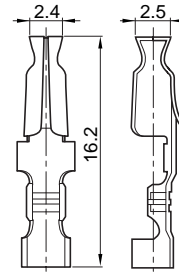

■ Recommended Mounting Hole for PC Board

■ Structural Configuration Diagram

MI Series

CRIMP CONNECTOR

● Terminal

Part No.	Applicable Wire Size (AWG)	Sheath Dia. (mm)	Material	Plating	No. of Terminal/ Reel
W–T0502–11#01	18~24	φ 3.0~1.4	Brass	Tinned (Reflow Treatment)	3000
W–T0504–11#01	20~24	φ 2.7~1.3			

● Housing

| No. of Pins	Part No.	A	B	C
1	W–A5001–IN#02	—	7.0	10.25
2	W–A5002–IN#02	7.5	13.4	16.50
3	W–A5003–IN#02	12.5	18.4	21.50
4	W–A5004–IN#02	17.5	23.4	26.50
5	W–A5005–IN#02	22.5	28.4	31.50
6	W–A5006–IN#02	27.5	33.4	36.50
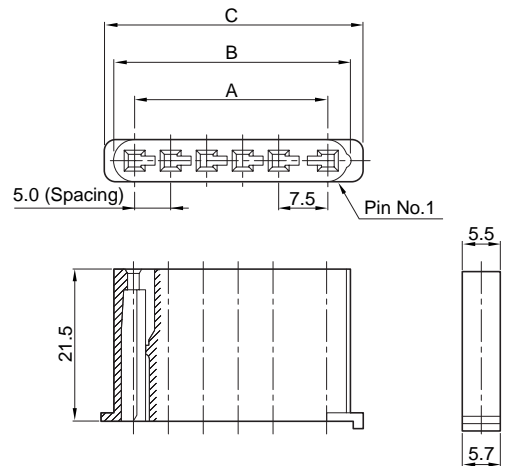
■ Material and Plating
● **Housing :** Polyamide (Natural color) 94V-0

● Plug

No. of Pins	Straight Type	Right-Angle Type	A	B	C
1	W–P3001–#02	——	—	φ 6.0	—
2	W–P3002–#02	——	7.5	16.5	—
3	W–P3003–#02	W–P6103#02	12.5	21.5	22.0
4	W–P3004–#02	W–P6104#02	17.5	26.5	27.0
5	W–P3005–#02	W–P6105#02	22.5	31.5	32.0
6	W–P3006–#02	W–P6106#02	27.5	36.5	37.0
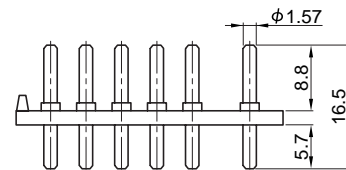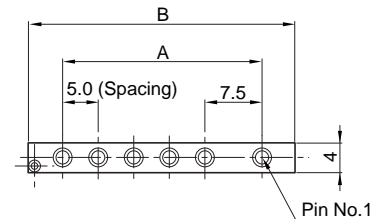
■ Material and Plating
● **Housing :** Polyamide (Natural color) 94V-0
● **Plug pin :** Brass, Tinned

Straight Type

Right-Angle Type
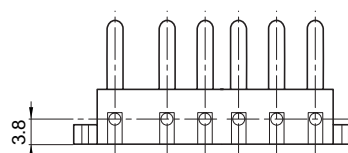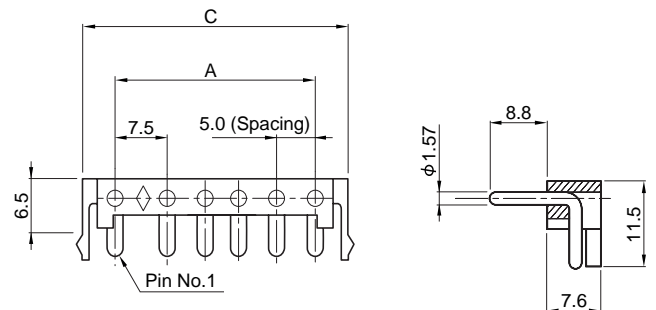
■ Material and Plating
● **Housing :** Polyphenylene Oxide (Gray) 94V-1
● **Plug pin :** Brass, Tinned