

# SMA Style Coaxial Connector

DM Series Fujikura



Characteristic Impedance 50 Ω



#### OUTLINE

DM series is a SMA connector which conforms to MIL-PRF-39012.

It is compact and tough  $50 \Omega$  coaxial connector which designed for compact-sized and higher frequency communication device. Screw lock coupling enables reliable connection. Compatible to other SMA style connectors. Crimp, soldering and clamp types are available.

#### **APPLICATIONS**

#### **CONFORMING STANDARD**

Base Station, Telecom, Wireless LAN, GPS

MIL-PRF-39012

#### **SPECIFICATIONS**

| Characteristic Impedance        | 50 Ω                           |
|---------------------------------|--------------------------------|
| Rated Voltage                   | 500V AC                        |
| Dielectric Withstanding Voltage | 1,000V AC(r.m.s.) for 1 minute |
| Insulation Resistance           | 1,000M Ω Mim. at 500V DC       |
| Contact Resistance              | 3m Ω Max.                      |
| V.S.W.R.                        | 1.05 + 0.01 x f (GHz)          |
| Oparating Temperature           | -55 ∼ +85°C                    |

<sup>\*</sup> The specifications are typical but may not apply to all connectors. Please check the specifications on each item with its drawing from us when you use.

#### MATERIAL/FINISH



| Item          | Material / Finish                                      |
|---------------|--|
| Shell (Body)  | Copper Alloy or Stainless Steel / Au, Ag or Ni Plating |
| Coupling Ring | Copper Alloy or Stainless Steel / Au, Ag or Ni Plating |
| Contact       | Copper Alloy / Au or Ag Plating                        |
| Insulator     | PTFF   |

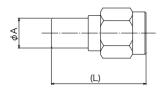
- \* We are providing the standard item on this catalogue. Other materal(Brass, Stainless steel) are also available. Please contact our sale office.
- Notice for mating connectors

When screwng up the coupling ring, please screw up by hand and tighten by toque wrench.

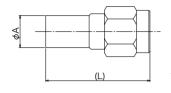
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# **Straight Plug Connector**

# Crimp Type

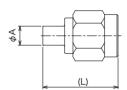


|                     | Applicable                           |      |      | Finish             |                     | , ,      | 0 :                     |               |  |
|---------------------|--------------------------------------|------|------|--------------------|---------------------|----------|-------------------------|---------------|--|
| Part Number         | Cable Size                           | φ A  | (L)  | Outer<br>Conductor | Center<br>Conductor | Coupling | Assembly<br>Instruction | Crimp<br>Tool |  |
| DM-SP-1.5DHQS-CR1-2 | 1.5D-2V , 1.5D-2W<br>1.5D-HQ · SUPER | 4.8  | 19.3 | Ni                 | Au                  | Ni       | 1                       | CR-H-1156A    |  |
| DM-P-58U-CR-BS-CF   | RG-58A/U                             | 6.25 | 24.4 | Au                 | Au                  | Au       | 2                       | CR-H-1105     |  |

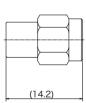


|    | Applicable          |                 |         |      |                    | Finish              |            |                      | Outine        |  |
|----|---------------------|-----------------|---------|------|--------------------|---------------------|------------|----------------------|---------------|--|
|    | Part Number         | Cable Size      | φ A (L) |      | Outer<br>Conductor | Center<br>Conductor | Coupling   | Assembly Instruction | Crimp<br>Tool |  |
|    | DM-SP-2.5DHQS-CR1-1 | 2.5D-HQ · SUPER | 5.9     | 18.9 | Ni                 | Au                  | Ni         | 4                    | CR-H-1163     |  |
| -[ | DM-SP-2.5DW-CR1-CF  | 2.5D-2W         | 5.9     | 18.8 | Passivation        | Au                  | Passivaion | 5                    | CR-H-1163     |  |
|    | DM-P-3DW-CR-CF      | 3D-2W           | 7.6     | 24.2 | Au                 | Au                  | Au         | 6                    | CR-H-18923    |  |

# for Semi-Rigid, Semi-Flexble Cable



| Applicab             |                     |     |      |                    | Finish              |          | Accombly                |  |
|----------------------|---------------------|-----|------|--------------------|---------------------|----------|-------------------------|--|
| Part Number          | Cable Size          | φ A | (L)  | Outer<br>Conductor | Center<br>Conductor | Coupling | Assembly<br>Instruction |  |
| DM-P-85-SO-BS-2-CF   | O-BS-2-CF UT-85 3.5 |     | 13.7 | Ni                 | Au                  | Ni       |                         |  |
| DIVI-F-00-30-B3-Z-CF | FCCAVG1             | 3.5 | 13.7 | INI                | Au                  | INI      |                         |  |



| Part Number          | Applicable<br>Cable Size | Finish Outer Center Conductor Conductor |                  | Coupling | Assembly<br>Instruction |
|----------------------|--------------------------|---|------------------|----------|-------------------------|
| DM-SP-141-SO-2-D1-CF | UF141A<br>FCCAVG0        | Ag                                      | Utilize center   | Ag       |                         |
|                      | UF-141A                  |   | conductor of the |          |                         |
| DM-SP-141-SO-2-D3-CF | FCCAVG0                  | Ag                                      | applicable cable | Ni       |                         |
|                      | FCCAVGO-4.6              |   |                  |          |                         |



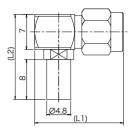
|                   | Applicable               |     |                    | Finish   |    | A l- l               |  |
|-------------------|--------------------------|-----|--------------------|--|----|----------------------|--|
| Part Number       | Applicable<br>Cable Size | (L) | Outer<br>Conductor | I Coupling 1   |    | Assembly Instruction |  |
|                   | UT-141A                  |     |                    | I Itiliaa aantau                                       |    |                      |  |
| DM-P-141-SO-D1-CF | FCCAVG0                  | 8.7 | Au                 | Utilize center<br>conductor of the<br>applicable cable | Ni |                      |  |

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 $Please\ confirm\ the\ content\ with\ the\ latest\ delivery\ specifications\ when\ you\ use\ the\ product.$ 

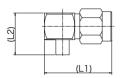
# **▶** Right Angle Plug Connector

# Crimp Type



|                        | Applicable                          |           |      |                    | Finish              |          | Assembly | Curinana      |  |
|------------------------|-------------------------------------|-----------|------|--------------------|---------------------|----------|----------|---------------|--|
| Part Number            | Cable Size                          | ` '   ` ' |      | Outer<br>Conductor | Center<br>Conductor | Coupling | ,        | Crimp<br>Tool |  |
| DM-LP-1.5DHQS-CR1      | 1.5D-2V, 1.5D-2W<br>1.5D-HQ · SUPER | 17.8      | 17.0 | Ni                 | Au                  | Ni       | 7        | CR-H-1156A    |  |
| DM-LP-2.5DHQS-CR1-2-CF | 2.5D-HQ · SUPER                     | 17.8      | 17.0 | Ni                 | Au                  | Ni       | 8        | CR-H-1163     |  |
| DM-LP-3D2W-CR1-CF      | 3D-2W                               | 18.8      | 21.2 | Ni                 | Au                  | Ni       | 9        | CR-H-18923    |  |

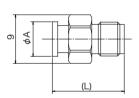
# for Semi-Rigid, Semi-Flexible Cable



|                      | Applicable |      | (1.5) |                    |                     | Accombly |                      |  |
|----------------------|------------|------|-------|--------------------|---------------------|----------|----------------------|--|
| Part Number          | Cable Size | (L1) | (L2)  | Outer<br>Conductor | Center<br>Conductor | Coupling | Assembly Instruction |  |
| DM-LP-85-SO-4-CF     | UT-85      | 18.0 | 11.0  | Ni                 | Au                  | Ni       |                      |  |
| DIVI-LP-85-50-4-CF   | FCCAVG1    | 18.0 |       |                    |                     |          |                      |  |
| DM-LP-141-SO-4-D1-CF | UT-141A    | 19.0 | 11.4  | Ni                 | Au                  | Ni       |                      |  |
| DM-LP-141-SU-4-D1-CF | FCCAVG0    | 19.0 | 11.4  | INI                | Au                  | INI      |                      |  |

# Jack Connector

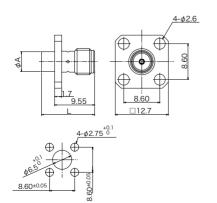
# for Semi-Rigid, Semi-Flexible Cable



|                     | Applicable |     |      | Fin                | Assembly            |             |  |
|---------------------|------------|-----|------|--------------------|---------------------|-------------|--|
| Part Number         | Connector  | φ A | L    | Outer<br>Conductor | Center<br>Conductor | Instruction |  |
| DM-SJ-141-SO-1-CF   | UT-141A    | 6.4 | 13.3 | ٨٥                 | Λ                   |             |  |
| DIVI-3J-141-3U-1-CF | FCCAVG0    | 0.4 | 13.3 | Ag                 | Ag                  |             |  |
| DM-SJ-85-SO-CF      | UT-85      | 4.0 | 12.5 | Ni                 | Au                  |             |  |
| DIVI-3J-63-3U-CF    | FCCAVG1    | 4.0 | 12.5 | INI                | Au                  |             |  |

# **▶** Panel Jack Connector

# for Semi-Rigid, Semi-Flexible Cable

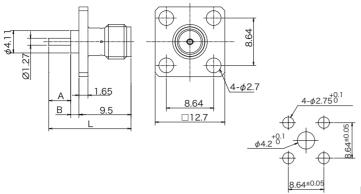


|                      | Applicable |     |      | Fin                | ish                 | Assembly    |
|----------------------|------------|-----|------|--------------------|---------------------|-------------|
| Part Number          | Cable Size | φΑ  | L    | Outer<br>Conductor | Center<br>Conductor | Instruction |
| DM DL 141 CO DL      | UT-141A    | 4.7 | 12.7 | Ni                 | ۸                   |             |
| DM-PJ-141-SO-DI      | FCCAVG0    | 4.7 | 12.7 | INI                | Au                  |             |
| DM-PJ-141-SO-D3-CF   | UT-141A    | 4.7 | 12.7 | Ni                 | Δ                   |             |
| DIVI-PJ-141-30-D3-CF | FCCAVGO    | 4.7 | 12.7 | INI                | Au                  |             |
| DM-PJ-85-SO-D3       | UT-85      | 3.4 | 12.7 | Ni                 | A                   |             |
| - DIVI-FJ-00-3U-D3   | FCCAVG1    | 3.4 | 12.7 | INI                | Au                  |             |

#### PCB Mounting Dimensions

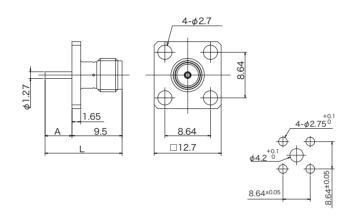
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# **▶** Receptacle Connector



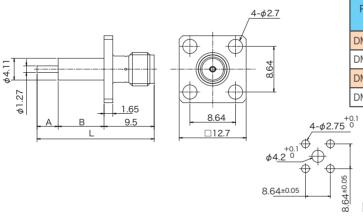
|             |     |     |      | Fin                | ish                 |
|-------------|-----|-----|------|--------------------|---------------------|
| Part Number | А   | В   | L    | Outer<br>Conductor | Center<br>Conductor |
| DM-SR-18-CF | 4.0 | 1.5 | 15.0 | Ag                 | Ag                  |
| DM-SR-20-CF | 6.0 | 1.0 | 16.5 | Ag                 | Ag                  |
| DM-SR-27-CF | 5.0 | 1.0 | 15.5 | Ag                 | Ag                  |

#### PCB Mounting Dimensions



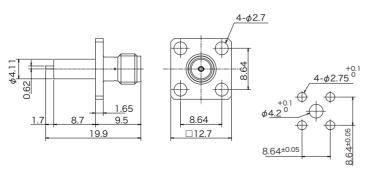
|             |     |      | Finish             |                     |  |
|-------------|-----|------|--------------------|---------------------|--|
| Part Number | А   | L    | Outer<br>Conductor | Center<br>Conductor |  |
| DM-SR-23-CF | 5,1 | 14.6 | Ag                 | Ag                  |  |
| DM-SR-28-CF | 6.0 | 15.5 | Ag                 | Ag                  |  |
| DM-SR-31-CF | 3.0 | 12.5 | Ag                 | Ag                  |  |

#### PCB Mounting Dimensions



|             |     |     |      | Finish             |                     |  |
|-------------|-----|-----|------|--------------------|---------------------|--|
| Part Number | Α   | В   | L    | Outer<br>Conductor | Center<br>Conductor |  |
| DM-SR-1     | 2.0 | 4.0 | 15.5 | Passivation        | Au                  |  |
| DM-SR-15-CF | 4.0 | 8.7 | 22.2 | Ag                 | Ag                  |  |
| DM-SR-24-CF | 5.0 | 6.5 | 21.0 | Ag                 | Ag                  |  |
| DM-SR-30-CF | 4.0 | 6.5 | 20.0 | Ag                 | Ag                  |  |

#### PCB Mounting Dimensions

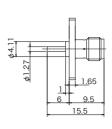


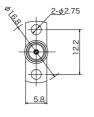
|             | Finish    |           |  |
|-------------|-----------|-----------|--|
| Part Number |           | Center    |  |
|             | Conductor | Conductor |  |
| DM-SR-19-CF | Ag        | Ag        |  |

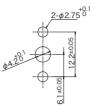
#### PCB Mounting Dimensions

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# **▶** Receptacle Connector







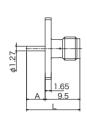
 Finish

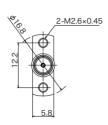
 Part Number
 Outer Center

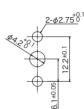
 Conductor
 Conductor

 DM-SR2-18-CF
 Ag
 Ag

PCB Mounting Dimensions

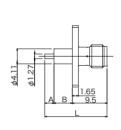


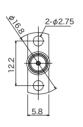


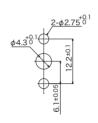


|                |     |      | Finish    |           |
|----------------|-----|------|-----------|-----------|
| Part Number A  |     | L    | Outer     | Center    |
|                |     |      | Conductor | Conductor |
| DM-SR2-1-CF    | 5,1 | 14.6 | Ag        | Ag        |
| DM-SR2-1-D1-CF | 5.1 | 14.6 | Au        | Au        |
| DM-SR2-22-CF   | 3.1 | 12.6 | Ag        | Ag        |

PCB Mounting Dimensions

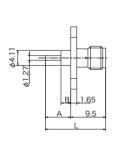


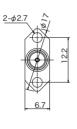


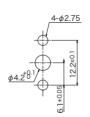


|                |     |     | Finish |           |           |
|----------------|-----|-----|--------|-----------|-----------|
| Part Number    | Α   | В   | L      | Outer     | Center    |
|                |     |     |        | Conductor | Conductor |
| DM-SR2-4-CF    | 2.5 | 5.0 | 17.0   | Ni        | Au        |
| DM-SR2-8-CF    | 4.0 | 5.5 | 19.0   | Ni        | Au        |
| DM-SR2-8-D1-CF | 4.0 | 5.5 | 19.0   | Au        | Au        |
| DM-SR2-9-CF    | 1.5 | 4.0 | 15.0   | Ag        | Ag        |
| DM-SR2-15-CF   | 1.5 | 3.2 | 14.2   | Ni        | Au        |

#### PCB Mounting Dimensions

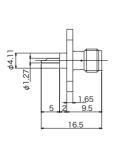


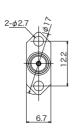


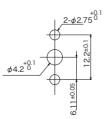


|              |           |           |      | Finish |        |
|--------------|-----------|-----------|------|--------|--------|
| Part Number  | Α         | В         | L    | Outer  | Center |
|              | Conductor | Conductor |      |        |        |
| DM-SR2-10-CF | 6.9       | 2.9       | 16.4 | Ag     | Ag     |
| DM-SR2-11-CF | 4.4       | 2.9       | 13.9 | Ag     | Ag     |

PCB Mounting Dimensions





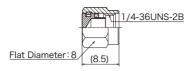


PCB Mounting Dimensions

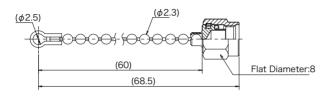
<sup>|</sup> Finish | Outer | Center | Conductor | Conductor | DM-SR2-16-CF | Ni | Au |

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# Dust Cap



| Part Number | Contact Plating |  |
|-------------|-----------------|--|
| DM-RC-1-CF  | Ni              |  |

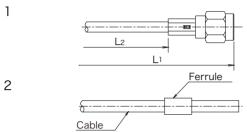


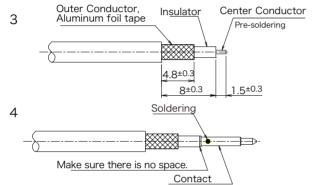
| Part Number | Contact Plating |  |
|-------------|-----------------|--|
| DM-RC-2-CF  | Ni              |  |

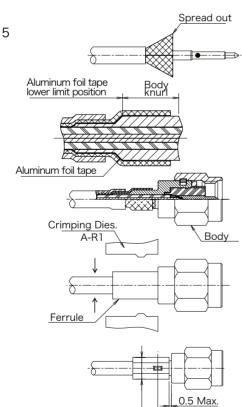
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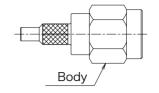
# ▶ Assembly Insutruction (1)

# Parts Configuration Ferrule Contact









1. Necessary cable length in case of one side termination = L

$$L = L1-7.7$$
  
=  $L2+11.6$ 

2. Insert the cable into the ferrule.

(Note) Please confirm the direction of ferule

3. Strip cable as shown dimension. fig.2.

(Note) Be careful not to nick to outer conductor and center conductor.

3-1. Pre-solder the center conductor.

(Note) Please be careful to not deform the insulator by heat.

4. Solder up the contact to the center conductor of the cable

(Note) Please be careful to not deform the insulator by heat.

(Note) No gap between contact and insulator.

(Note) When the solder is stick out, please shave the extra solder.

5. Spread the top of the outer conductor.

5-1. Insert the body into the cable between outer conductor and aluminum foil tape.

(Note) Ride aluminum foil tape on Body outer dimension.

(Note) At least, ride a part of aluminum foil tape on body knurl.

But ferrule of Step5-2 should entry easily.

5-2. Slide ferrule on outer conductor until shall butt body and crimp ferrule

(Note) The gap between body and ferrule is within 0.5

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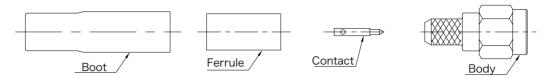
Please confirm the content with the latest delivery specifications when you use the product.

3±0.5 6±1

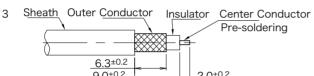
#### Assembly Insutruction (2)

#### Parts Configuration

4



- 1 Cable 2 <u>Ferrule</u> Boot Sheath Outer Conductor In<u>sulat</u>or
- 1. The cable length require for the cable assembly L = L1 - 7.1
- 2. Insert the boot and ferule into the cable.



- 3. Cut the cable as fig.3.
- (Note) Please be carefule to not damage the outer conductor, insulator and center conductor.
- 3-1. Pre-solder the center conductor.
- (Note) Please be careful to not deform the insulator by heat
- 9.0±0.2 2.0±0.2 4. Solder up the contact and center conductor. Soldering Insulator (Note) Please be careful to not deform the insulator

Contact

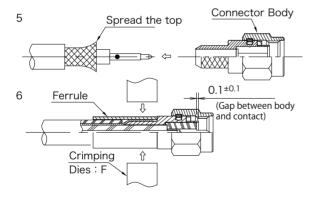
No gap

 $0.1^{\pm0.1}$ 

(Gap between body

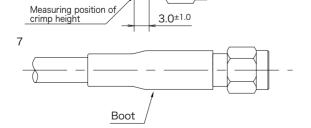
and contact)

- by heat. (Note) No gap between contact and insulator.
- (Note) When the solder is stick out, please shave the extra solder.
- 5. Spread the top of the outer conductor. 5-1. Insert the root of connector body between outer conductor and insulator.
- (Note) Please do not pick the outer conductor.



0.5 max.

- 6. Insert the connector body until the gap between body and contact is within 0.1±0.1.
- 6-1. Cover the ferule on the outer conductor and insert the cable until strike the top of the cable.
- 6-2. While the cable is touch the connector body, crimp the ferule two points. Crimping Dies: F
- (Note) Crimp point is nearest to the body first.
- (Note) The gap between body and ferule is within 0.5.
- (Note) Crimp height is  $5.38 \sim 5.56$ .
- (Note) The gap between body and contact is within  $0.1 \pm 0.1$ .

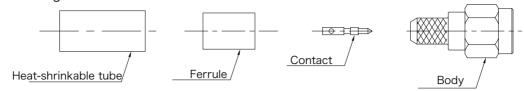


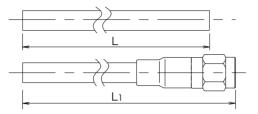
- 7.Cover the boot on the ferule.
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#### Assembly Instruction (3)

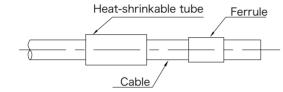
#### Parts Configuration

1

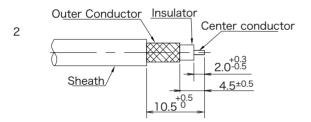




The cable length require for the cable assembly L = L1+6



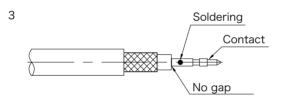
1. Insert the boot and ferrule into the cable.



2. Cut the cable as fig..2.

Pre-soldering to the center conductor of the cable.

(Note) Please be careful to not damage outer conductor, insulator and center conductor.

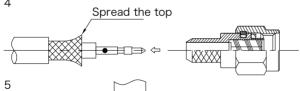


3. Solder up the contact with center conductor.

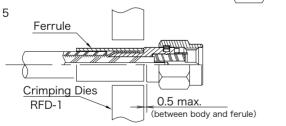
(Note) When the solder is stick out, please shaw

(Note) When the solder is stick out, please shave the extra solder.

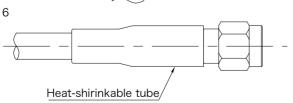
(Note) No gap between contact and insulator.



4. Spread the top of the outer conductor. Insert the root of connector body between outer conductor and insulator.



5. Cover the ferrule on the naked outer conductor and crimp.



6. Cover the heat-shrinkable tube on the ferrule and heat up the tube.

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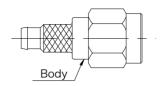
# ▶ Assembly Instruction (4)

#### Parts Configuration

Cable





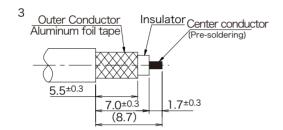


2 Ferrule

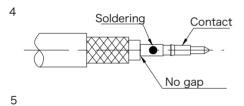
1. The cable length require for the cable assembly. L=L1-8

$$_{=L1} - 8$$
  
=L2 + 11

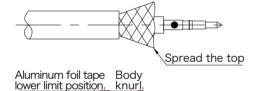
2. Insert the ferrule into the cable.



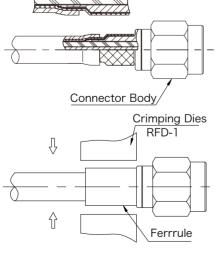
- 3. Cut the cable as fig.2.
- (Note) Please be carefule to not damage the center conductor and outer conductor.
- 3-1. Pre-solder the center conductor.
- (Note) Please be careful to not deform the insulator by heat



- 4. Solder up the contact with center conductor.
- (Note) Don't melt to the insulator by supplying excessive heat.
- (Note) No gap between contact and insulator.
- (Note) If it get solder on outside surface of Contact, remove solder



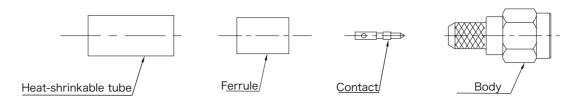
- 5. Spread the top of the outer conductor.
- 5-1. Insert the body into the cable between outer conductor and aluminum foil tape.
- (Note) Ride aluminum foil tape on Body outer dimension.
- (Note) At least, ride a part of aluminum foil tape on body knurl.
  - But ferrule of Step5-2 should entry easily.
- 5-2. Slide ferrule on outer conductor until shall butt body and crimp ferrule
- (Note) The gap between body and ferrule is within 0.5.

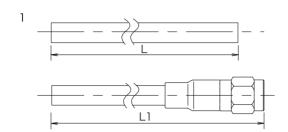


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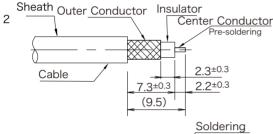
# Assembly Insutruction (5)

#### Parts Configuration





1. The cable length require for the cable assembly. L = L1 - 7.0

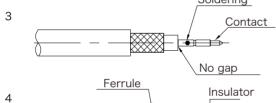


2. Cut the cable as fig.2.

(Note) Please be careful to not damage the outer conductor, insulator and center conductor.

2-1. Pre-soldering the center conductor.

(Note) Please be careful to not deform the insulator by heat



- 3. Solder up the contact with center conductor.
- (Note) Please be careful to not deform the insulator by heat.

(Note) No gap between contact and insulator.

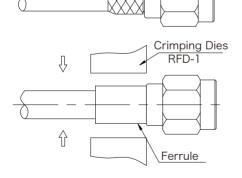
(Note) When the solder is stick out, please shave the extra solder.

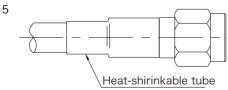
4. Insert the heat-shrinkable tube and ferrule into the cable

4-1. Spread the top of outer conductor.

- 4-2. Insert the body into the cable between outer conductor and aluminum foil tape.
- 4-3. At least, ride a part of aluminum foil tape on body knurl.
- 4-4. Crimp the ferrule. (Crimping Dies: RFD-1)

(Note) The gap between connector body and ferrule is within 0.5.





5. Cover the heat-shrinkable tube on the root of the connector body and heat up the tube.

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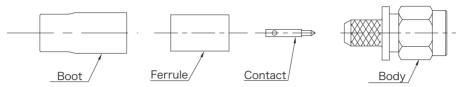
Spread the top

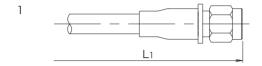
Please confirm the content with the latest delivery specifications when you use the product.

Heat-shrinkable

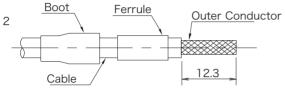
#### Assembly Instruction (6)

#### Parts Configuration

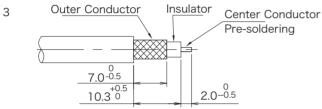




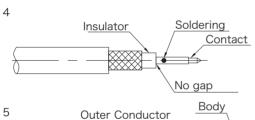
1. The cable length require for the cable assembly. L = L1 - 7.2 mm



2. Insert the boot and ferrule into the cable and strip the sheath as fig.2.

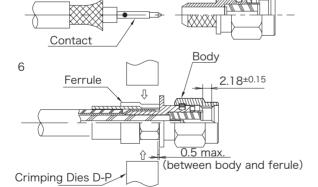


 Cut the outer conductor, insulator and center conductor as fig.3.
 And pre-solder the center conductor.

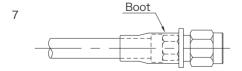


4. Solder up the contact with the center conductor. (Note) No gap between contact and insulator.

(Note) When the solder is stick out, please shave the extra solder.



- 5. Spread the outer conductor and insert into the connector body.
- 6. Cover the ferrule on the naked outer conductor and crimp. (Crimping Dies : D-P)



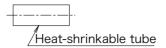
7. Cover the boot on the root of the connector body.

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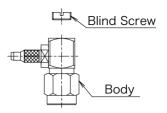
#### ▶ Assembly Instruction (7)

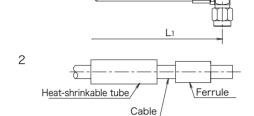
# Parts Configuration

1

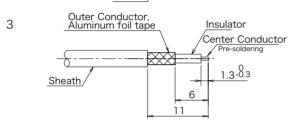




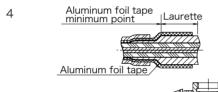




- 1. The cable length require for the cable assembly.  $L=L_1+0.5$  (mm)
- 2. Heat-shrinkable tube and ferrule into the cable. fig.2.



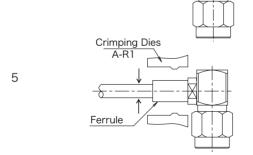
- 3. Cut the cable as fig.3.
  - (Note) Please be careful to not damage the outer conductor, insulator and center conductor.
- 3-1. Pre-soldering the center conductor.
  - (Note) Please be careful to not deform the insulator by heat



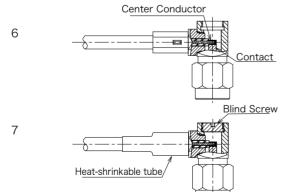
- 4. Spread the top of the outer conductor.
- 4-1. (Note) At least, ride apart of aluminum foil tape on Body knurl.

But Ferrule of Step5-1 should entry easily.

(Note) The center conductor is caught in the contact slit enough.



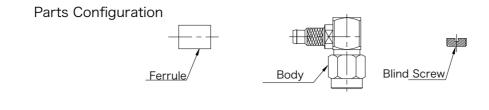
- 5. Cover the ferrule on the naked outer conductor.
- 5-1. Crimp the ferrule. (Crimping Dies : A-R1) (Note) The gap between body and ferrule is within 0.5.



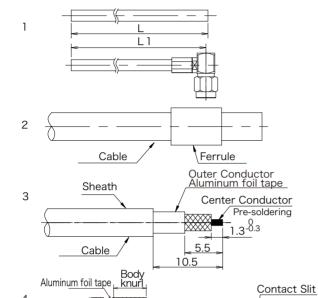
- 6. Solder the contact with center conductor.
- 7. Screw up the blind screw on the body. Screw torque 9.8N  $\cdot$  cm (1Kgf  $\cdot$  cm)
- 7-1. Cover the heat-shrinkable tube on the root of the connector body and heat up the tube.

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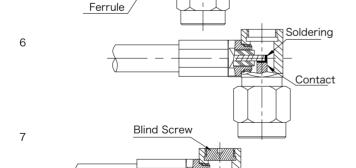
#### **▶** Assembly Instruction (8)



Body



- 1. The cable length require for the cable assembly. L=L1+0.5
- 2. Cut the cable as fig.2.
- (Note) Please be careful to not damage the outer conductor and center conductor.
- 2-1. Pre-solder the center conductor.
- 3. Insert the ferule into the cable.
- 4. Spread the top of the outer conductor.
- 4-1. Insert the body into the cable between outer conductor and aluminum foil tape.
- (Note) Center conductor is caught in the contact slit enough.
- (Note) Aluminum foil tape is inserted in the body.
- 5. Cover the ferule on the naked outer conductor.
- 5-1. Crimp the ferule. (Crimping Dies: RFD-1)
- (Note) The gap between body and ferule is within 0.5.



- 6. Solder the contact with center conductor.
- 7. Screw up the blind screw on the body. Screw torque 9.8N · cm (1Kgf · cm)
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Crimping Dies

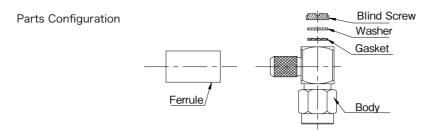
RFD-1

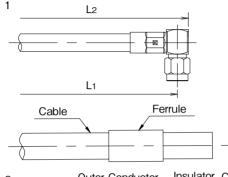
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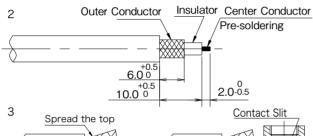
5

#### Assembly Instruction (9)

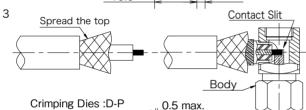




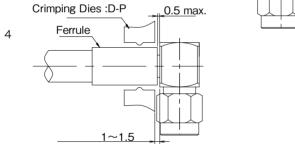
- 1. The cable length require for the cable assembly. L=L1+0.6 =L2-3.4
- 1-1. Insert the ferule into the cable.



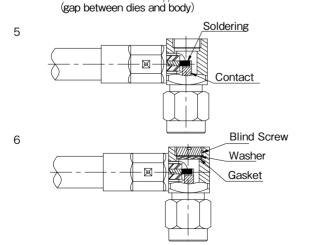
- 2. Cut the cable as fig.2.
- (Note) Please be careful to not damage the center conductor and outer conductor.
- 2-1. Pre-solder the center conductor.



- 3. Spread the top of the outer conductor.
- 3-1. Insert the body into the cable between outer conductor and insulator.
- (Note) The center conductor is caught in the contact slit enough.



- 4. Cover the ferule on the naked outer conductor.
- 4-1. Crimp the ferule. (Crimping Dies : D-P)
- (Note) The gap between body and ferule is within 0.5.



- 5. Solder up the contact with center conductor.
- 6. Insert the gasket, washer and blind screw. And screw up the blind screw. Screw toque  $\cdot \cdot \cdot 9.8 \sim 19.6 \text{N} \cdot \text{cm}$   $(1 \sim 2 \text{Kgf} \cdot \text{cm})$
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