

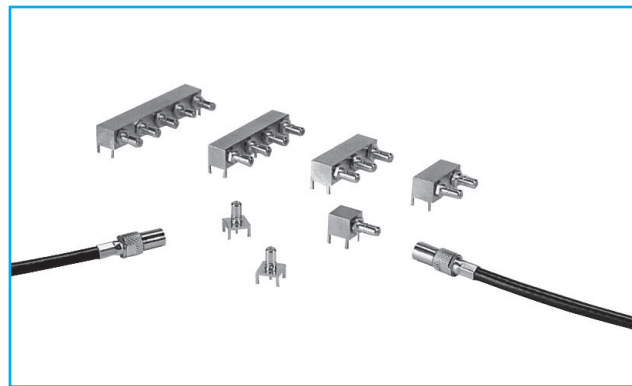
# 75 Ω SSMB Type Connectors

## SSMB75 Series

DDK Ltd.

### FEATURE

- SSMB75 series are connectors for 75 Ω group of SSMB series (50 Ω group).
- DDK's originally developed 75 Ω group connectors are super mini size push on type.
- Strong against distortion by application of closed entry structure.
- Right Angle type Receptacle (PCB) has from 1 to 5 continuous type.
- SSMB series are not compatible with.



### APPLICATIONS

Widely used for test instruments, broadcasting equipment, CATV and HDTV etc.

### SPECIFICATIONS

Characteristic Impedance	75 Ω
Rated Voltage	250VAC(r.m.s.)
Dielectric Withstanding Voltage	500V AC(r.m.s.)for1 minute
Insulation Resistance	1000M Ω Mim. at 500V DC
Contact Resistance	10m Ω max.
V.S.W.R.	1.3max. at DC to1GHz
Operating Temperature	-55 ~ +85°C

\* 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 /Gold plating
Contact (Male)	Copper Alloy /Gold plating
Contact (Female)	Copper Alloy /Gold plating
Insulator	PTFE

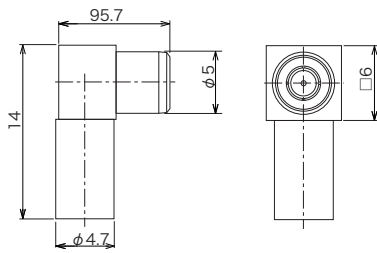
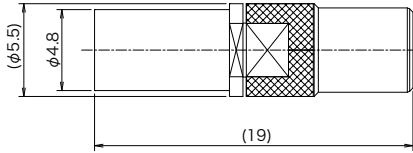
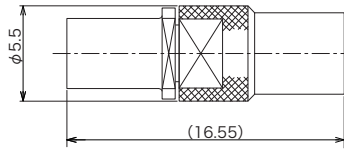
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Frequency Range  
DC to 1GHz

Characteristic Impedance  
75 Ω

Lock Type  
Push On

▶ Plug

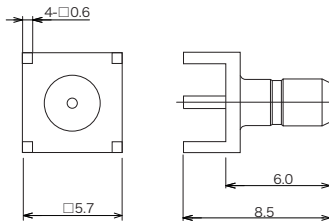


Part Number	Applicable Cable	Assembly Instruction	Crimp Tool P/N
SSMB75-SP-1.5CCA-EXBV-CF	1.5CCA-EXBV (Sumitomo Electric Industries)	1	CR-H-1101

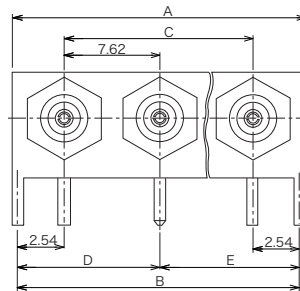
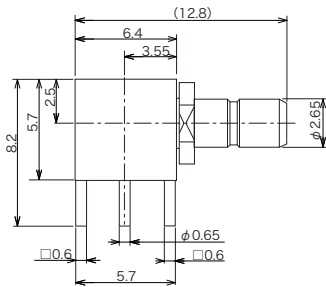
Part Number	Applicable Cable	Assembly Instruction	Crimp Tool P/N
SSMB75-SP-1.5CV-CR1-CF	1.5C-2V	2	A-R1
	1.5C-QEV		
	RG-179B/U		

Part Number	Applicable Cable	Assembly Instruction	Crimp Tool P/N
SSMB75-LP-1.5CW-CR1-CF	1.5C-QEW	3	DIN-4
	1.5C-2W		

▶ Receptacle



Part Number	Mounting Hole
SSMB75-SR-PC-CF	V

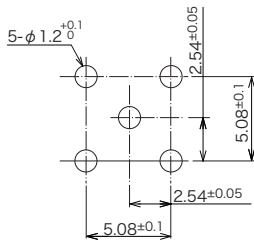


Part Number	Reams Number	A	B	C	D	E	Mounting Hole
SSMB75-LR-PC-CF	1	5.70	5.08	—	—	—	V
SSMB75-LR-PC-2-CF	2	13.30	12.70	7.62	—	—	W
SSMB75-LR-PC-3-CF	3	20.92	20.32	15.24	—	—	X
SSMB75-LR-PC-4-CF	4	28.54	27.94	22.86	12.70	15.24	Y
SSMB75-LR-PC-5-CF	5	36.16	35.56	30.48	15.24	20.32	Z

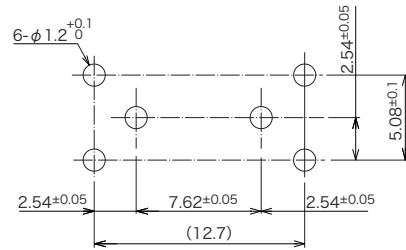
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## ▶ PCB Mounting Dimensions

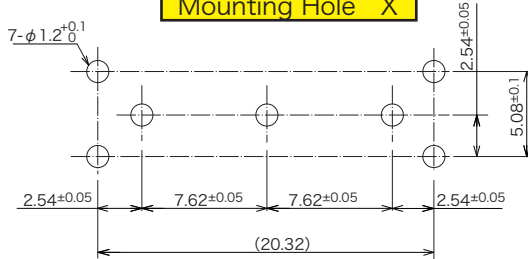
### Mounting Hole V



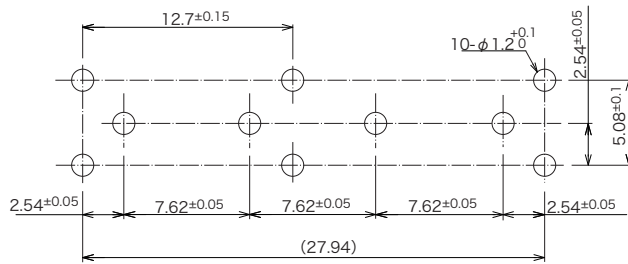
### Mounting Hole W



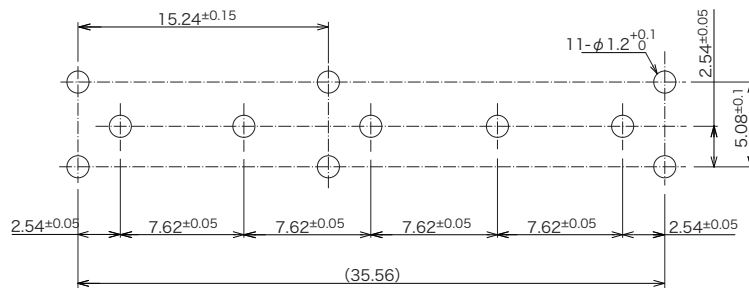
### Mounting Hole X



### Mounting Hole Y



### Mounting Hole Z



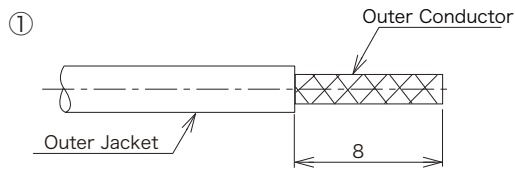
## Pull-out Tool

P/N : 18M-SSMB75-11897

(Applicable SSMB75-LP-1.5CCA-EXBV Only)

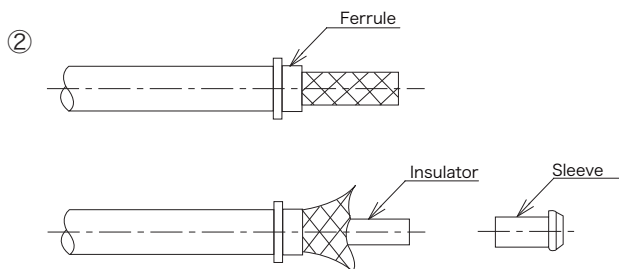
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## ▶ Assembly Instruction (1)



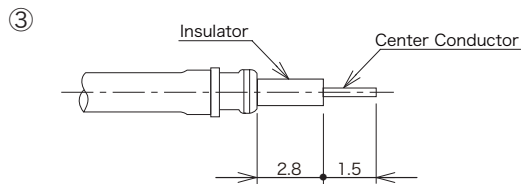
### ① Removing outer jacket

Removing outer jacket as left figure.



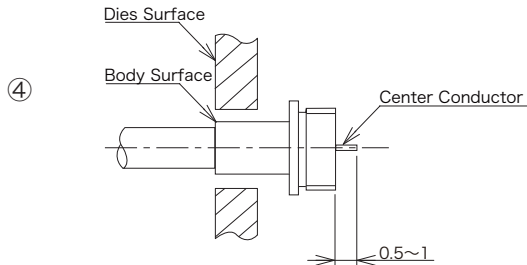
### ② Insert ferrule and sleeve

Insert ferrule into the cable, stretch the outer conductor of the cable and insert sleeve.  
Cut off the outer conductor of the cable along the sleeve



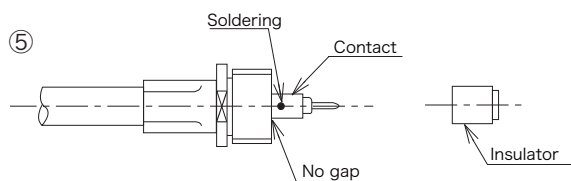
### ③ Cutting cable

Cut the center conductor and insulator of the cable as left figure.



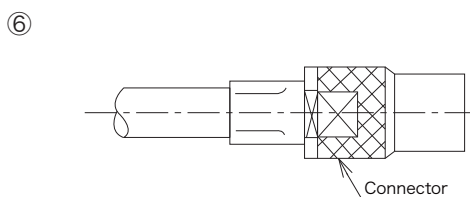
### ④ Crimping body

Insert the body and crimp it by dies.  
Crimping body should be equal to body surface and dies surface.



### ⑤ Soldering contact

Solder the contacts into the insulator and center conductor.



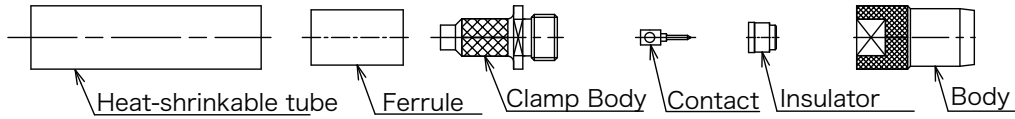
### ⑥ Assemble connector

Screw the connector.  
(Recommended screw torque : 29.4 N · cm)

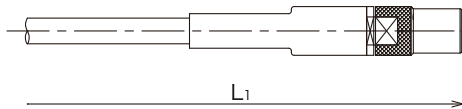
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## ▶ Assembly Instruction (2)

### Parts Configuration

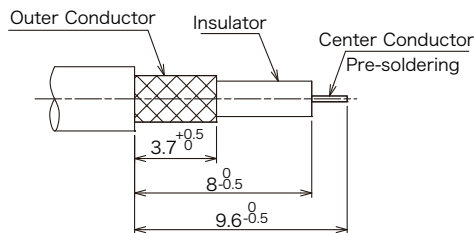


①



- ① The cable length required for cable assembly.  
 $L=L_1-6$

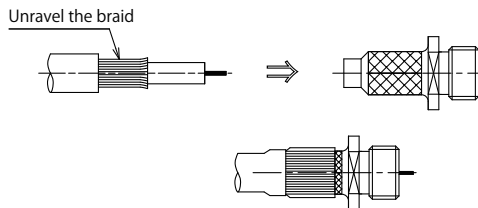
②



- ② .Cut the cable as fig. ② .  
 Insert the heat-shrinkable tube and ferrule into the cable.  
 ( Note ) Please be careful to not damage the outer conductor, insulator and center conductor.

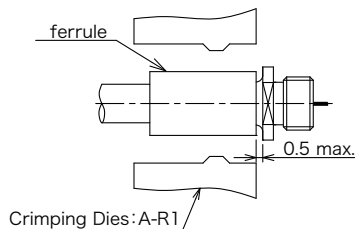
- ② -1. Pre-soldering the center conductor.  
 ( Note ) Please be careful to not deform the insulator by heat

③



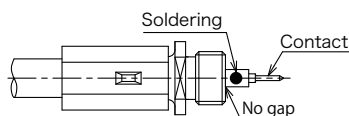
- ③ .Disentanglement the outer conductor inserted into the clamp body

④



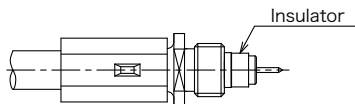
- ④ .Cover the ferrule on the naked outer conductor and crimp.  
 (Crimping Dies : A-R1)

⑤



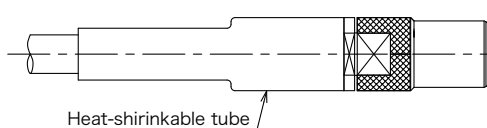
- ⑤ .Internal conductor contacts and soldering  
 Note) No gaps between the clamp and the body contact.

⑥



- ⑥ .Insert the insulator contact.

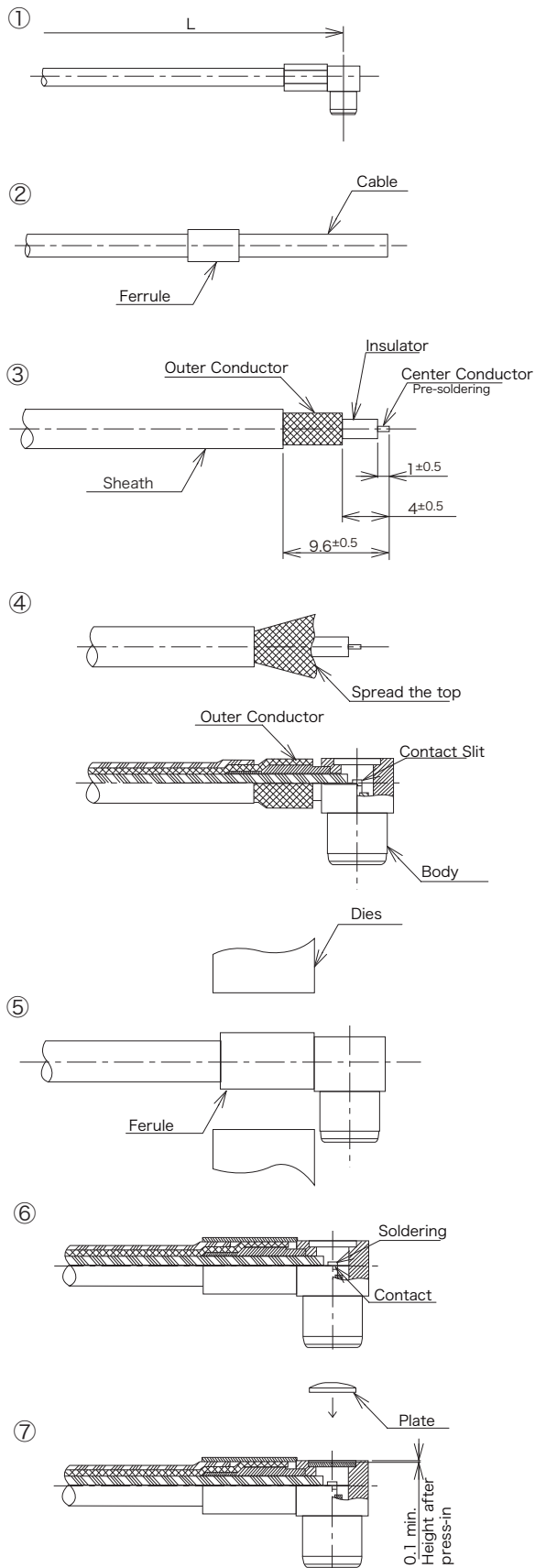
⑦



- ⑦ .Insert a body and tighten it.  
 Screw torque : 29.4N · cm  
 Cover the heat-shrinkable tube on the root of the connector body and heat up the tube.

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### ▶ 結線方法 (3)



#### ① Cut the cable

The cable length required for the cable assembly.

$$L=L+0.3$$

#### ② Insert the ferrule.

Insert the ferrule into the cable.

#### ③ Terminating a cable and soldering.

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

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

#### ④ Insert body assembly

Spread the top of the outer conductor.

( Note ) Insert the root of connector body between outer conductor and insulator.

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

#### ⑤ Crimping

Cover the ferrule on the naked outer conductor.

Crimp the ferrule. (Crimping Dies : RFD-1)

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

#### ⑥ Soldering

Solder the contact with center conductor.

#### ⑦ Insert the plate on the top of connector and press-in.

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