

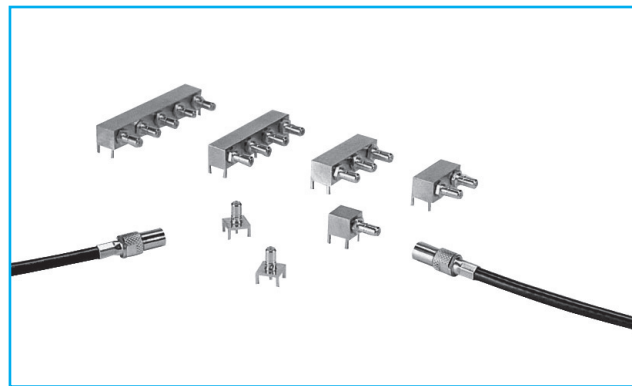
75 Ω SSMB Type Connectors

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

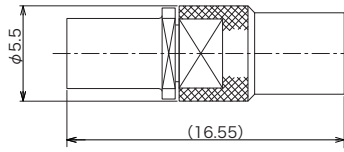
© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
Moreover, the characteristic and the specification of the published product are the reference values.
Please confirm the content with the latest delivery specifications when you use the product.

Frequency Range
DC to 1GHz

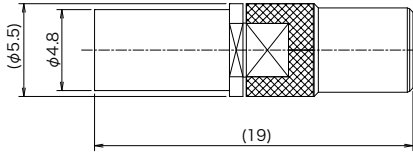
Characteristic Impedance
75 Ω

Lock Type
Push On

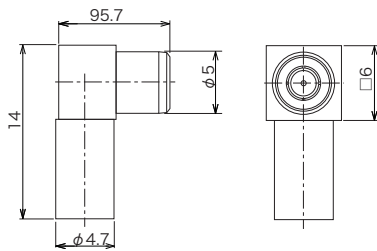
▶ Plug



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

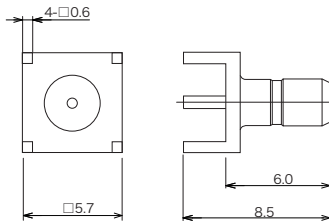


Part Number	Applicable Cable	Assembly Instruction	Crimp Tool P/N
SSMB75-SP-1.5CV-CR1-CF	1.5C-2V	2	A-R1
	1.5C-QEV		
	RG-179B/U		

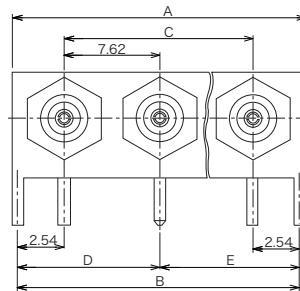
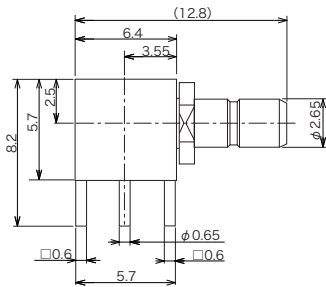


Part Number	Applicable Cable	Assembly Instruction	Crimp Tool P/N
SSMB75-LP-1.5CW-CR1-CF	1.5C-QEW	3	DIN-4
	1.5C-2W		

▶ Receptacle



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

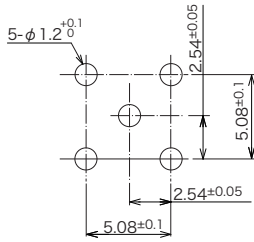


Part Number	Reams Number	A	B	C	D	E	Mounting Hole
SSMB75-LR-PC-CF	1	5.70	5.08	—	—	—	V
SSMB75-LR-PC-2-CF	2	13.30	12.70	7.62	—	—	W
SSMB75-LR-PC-3-CF	3	20.92	20.32	15.24	—	—	X
SSMB75-LR-PC-4-CF	4	28.54	27.94	22.86	12.70	15.24	Y
SSMB75-LR-PC-5-CF	5	36.16	35.56	30.48	15.24	20.32	Z

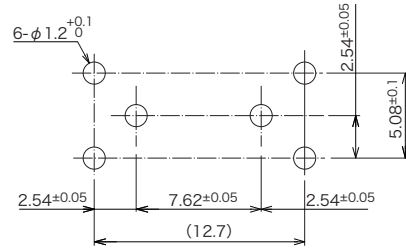
© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
 Moreover, the characteristic and the specification of the published product are the reference values.
 Please confirm the content with the latest delivery specifications when you use the product.

▶ PCB Mounting Dimensions

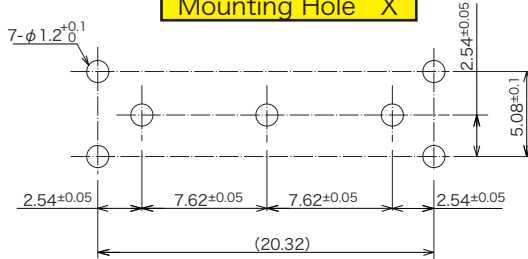
Mounting Hole V



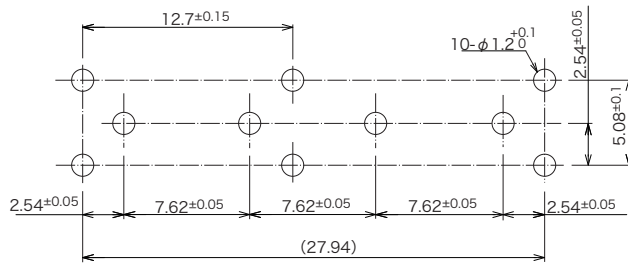
Mounting Hole W



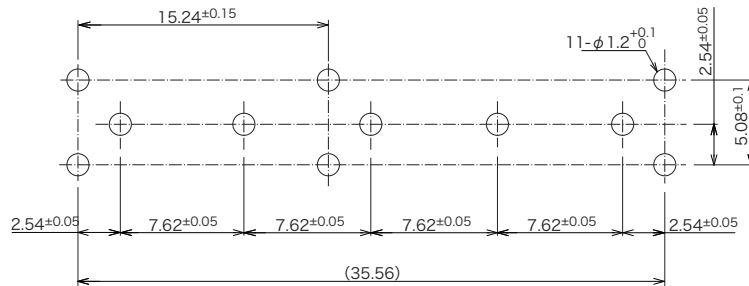
Mounting Hole X



Mounting Hole Y



Mounting Hole Z



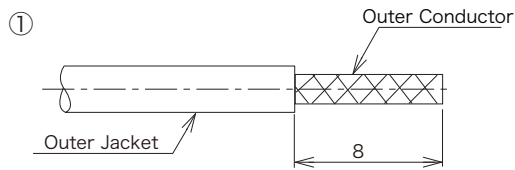
Pull-out Tool

P/N : 18M-SSMB75-11897

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

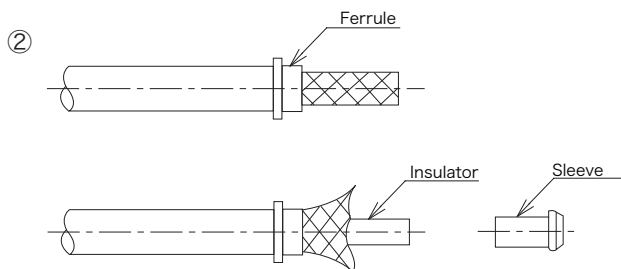
© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
 Moreover, the characteristic and the specification of the published product are the reference values.
 Please confirm the content with the latest delivery specifications when you use the product.

▶ Assembly Instruction (1)



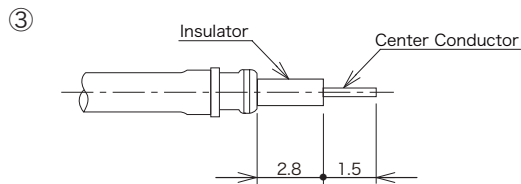
① Removing outer jacket

Removing outer jacket as left figure.



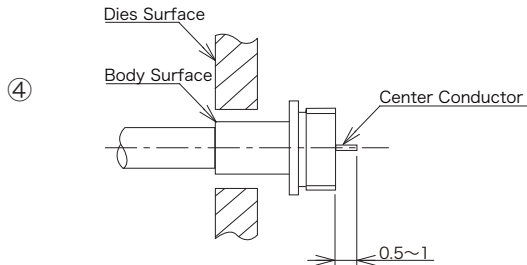
② Insert ferrule and sleeve

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



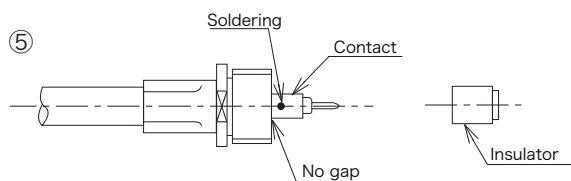
③ Cutting cable

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



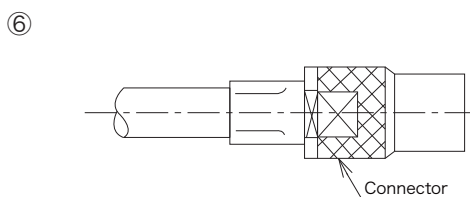
④ Crimping body

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.



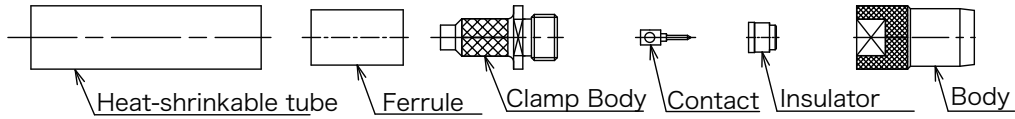
⑥ Assemble connector

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

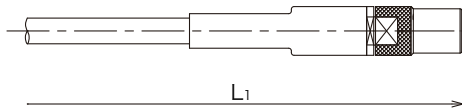
© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
Moreover, the characteristic and the specification of the published product are the reference values.
Please confirm the content with the latest delivery specifications when you use the product.

▶ Assembly Instruction (2)

Parts Configuration

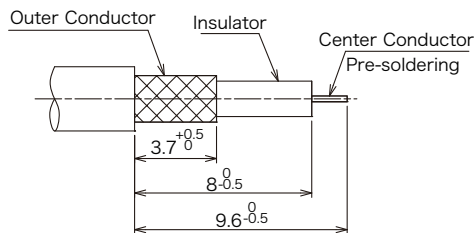


①



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

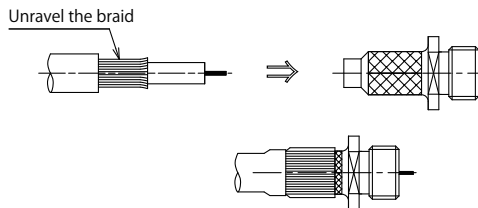
②



- 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.

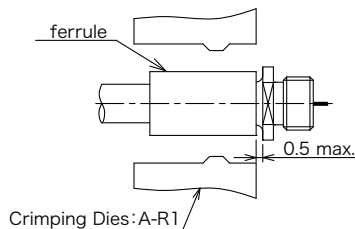
- ② -1. Pre-soldering the center conductor.
 (Note) Please be careful to not deform the insulator by heat

③



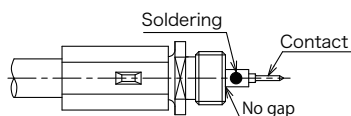
- ③ .Disentanglement the outer conductor inserted into the clamp body

④



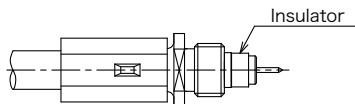
- ④ .Cover the ferrule on the naked outer conductor and crimp.
 (Crimping Dies : A-R1)

⑤



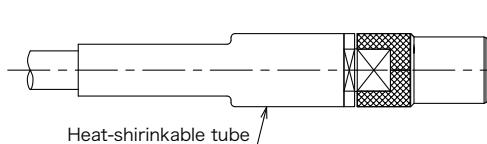
- ⑤ .Internal conductor contacts and soldering
 Note) No gaps between the clamp and the body contact.

⑥



- ⑥ .Insert the insulator contact.

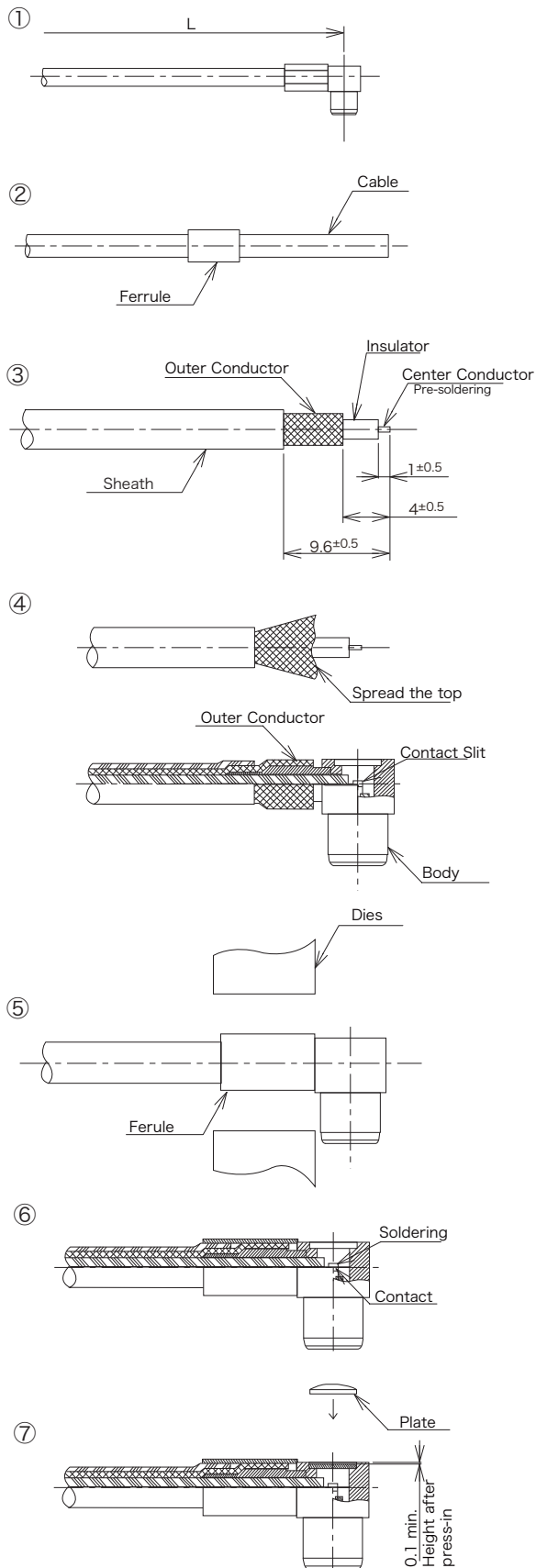
⑦



- 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.

© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
 Moreover, the characteristic and the specification of the published product are the reference values.
 Please confirm the content with the latest delivery specifications when you use the product.

▶ 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.

© Please acknowledge that the specification etc. of this catalog might change by the improvement etc. without notice.
Moreover, the characteristic and the specification of the published product are the reference values.
Please confirm the content with the latest delivery specifications when you use the product.