

**Manufacturer:**

Seikoh Giken

Product Name:

Seikoh Giken SSC-PE SC Connector, Singlemode,
125µm (micron) Ceramic Ferrule, 2mm Blue Boot

Manufacturer Part Number:

SSC-PE5B1251A300G



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DOCUMENT NUMBER S05-H199-02E

SSC-PE Series

Single mode

SC CONNECTOR PLUG

TECHNICAL SPECIFICATIONS



SEIKOH GIKEN

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TECHNICAL SPECIFICATIONS****S05-H199-02E
SSC-PE Series**

NCD-49B2-01	October	1994
NCD-49B2-02	January	1995
NCD-49B2-03	January	1996
NCD-49B2-04	June	1997
NCD-49B2-05	May	1998
NCD-49B2-06	July	1999
NCD-49B2-07	April	2000
NCD-49B2-08	May	2003
NCD-49B2-09	June	2004
NCD-49B2-10	June	2005
S05-H048-01E	July	2006
S05-H048-02E	January	2010
S05-H199-01E	January	2023
S05-H199-02E	August	2023

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1 SCOPE

These specifications apply to the SSC-PE series single mode SC connector plug supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the connector plug is shown in Table 1.

Table 1 Part Number

MODEL Number		TYPE Number										
SSC-PE		5	C	1	2	5	1	A	3	0	0	G

Boot Color	
3	White
5	Blue
8	Green

Auxiliary digit	
0 0 G	

Package	
3	Bulk package

Cap	
0	No cap
A	Black ferrule cap
H	Black dust cap

Marking of Grip	
1	 SG/ SSC-P

Boot I.D. [mm]	
1	for ø 0.9 buffered fiber (Rubber)
9	for ø 0.9 buffered fiber (Plastic)
B	for ø 2 cord
C	for ø 3 cord

Ferrule I.D. [µm]	
1 2 5	ø 125
1 2 6	ø 126

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3 GENERAL SPECIFICATIONS

3.1 Parts and Materials

Parts and materials are shown in Table 2, 3.

Table 2 Parts and Materials

Item	Part Name	Qty	Material	Notes
①	Main body	1	See Table 3	See Table 3
②	Grip	1	PBT GF	Blue, Flammability UL94 V-0
③-1	Crimping ring Note 2	1	Aluminum alloy	for ø 3 mm cord
③-2				for ø 2 mm cord
④-1	Boot	1	TPEE	for ø 3 mm cord Flammability UL94 V-0
④-2				for ø 2 mm cord Flammability UL94 V-0
④-3				for ø 0.9 mm buffered fiber Flammability UL94 V-0
④-4			Silicone	for ø 0.9 mm buffered fiber rubber boot, Flammability UL94 V-0
⑤-1	Cap	1	PP	Ferrule cap, Black
⑤-2			PBT-GF	Dust cap, Black Flammability UL94 V-0 equivalent

Notes: 1 Item on Table 2 corresponds to the item reference number on Figure 1 to 14.

2 ③Crimping Ring is not included for ø 0.9 mm buffered fiber type.

Table 3 Parts and Materials of Main Body

Item	Part Name	Qty	Material	Notes
⑦	Capillary	1	Zirconia	-
⑧	Flange	1	Brass	Nickel plating
⑨	Plug frame	1	PBT GF	White, Flammability UL94 V-0
⑩	Spring	1	Stainless steel	-
⑪	Stop ring	1	Brass	Nickel plating

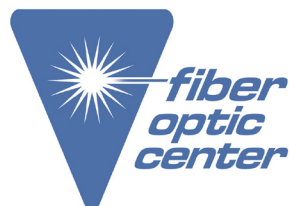
Note: Item on Table 3 corresponds to the item reference number on Figure 5.

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3.2 Physical Dimensions

Figure 1 to 4 show the SSC-PE series connector plugs.

Figure 5 shows the main body.

Figure 6 to 14 show the dimensions of the parts.

Table 4 shows the physical specifications of the SSC-PE series connector plug.

- In accordance with IEC 61754-4 Type SC connector family.
- In accordance with JIS C 5973 F04 Type connectors.

Table 4 Physical Specifications

Items	Part Number	Specifications	Remarks
Diameter (ø d)	SSC-PE **125**300G	ø 0.125 mm	-
	SSC-PE **126**300G	ø 0.126 mm	-

3.3 General Tolerances

Permissible deviation in dimensions without tolerance indication is in accordance with ISO 2768-m (JIS B 0405-m), as shown in Table 5.

Table 5 General Tolerance (ISO 2768-m)

Basic size step [mm]		Permissible deviation [mm]
Over	Under	
0.5	3	±0.1
3	6	±0.1
6	30	±0.2
30	120	±0.3

3.4 Appearance

There should be no burr, peeling of plating or scratches that affect the product.

4 PACKING

The product is packed to prevent damage during shipment.

5 IDENTIFICATION

Identification label should indicate the part number and the lot number of the product(s) and should be permanently attached to the packing bag.

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6 HANDLING AND CARE

6.1 Conditions of Storage

For storage of the product, keep in the packing bag and keep away from corrosive gas, high-temperature and humidity, extreme-low temperature and direct sunlight.

6.2 Precautions for Use

Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

6.3 Disposal

When discarding this product, please follow the regulations of your own country.



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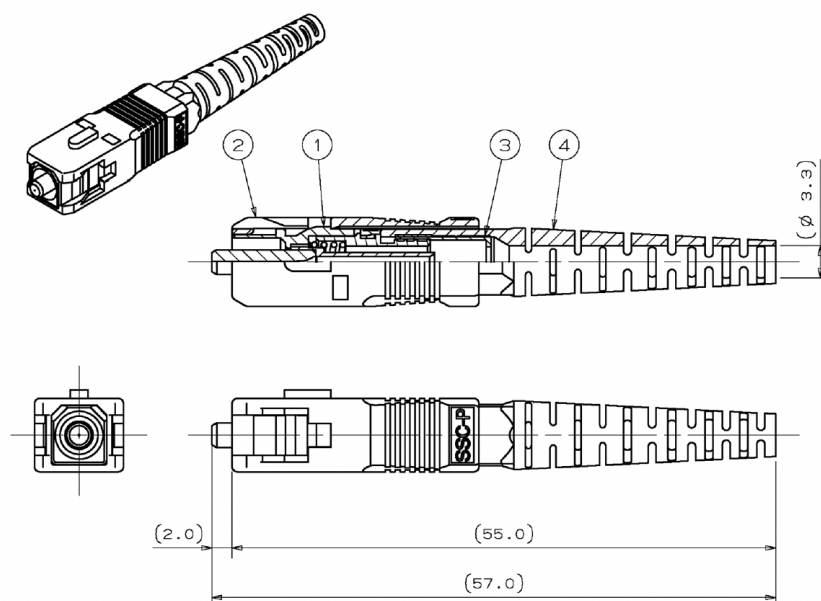
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- Notes: 1 This drawing shows the tentatively assembled condition.
On practical shipment of SSC-PE connector plug, this tentative assembly is not available.
- 2 This drawing does not include the cap.

Unit: mm

Figure 1 SSC-PE Series Connector Plug (for $\varnothing$ 3 mm cord)

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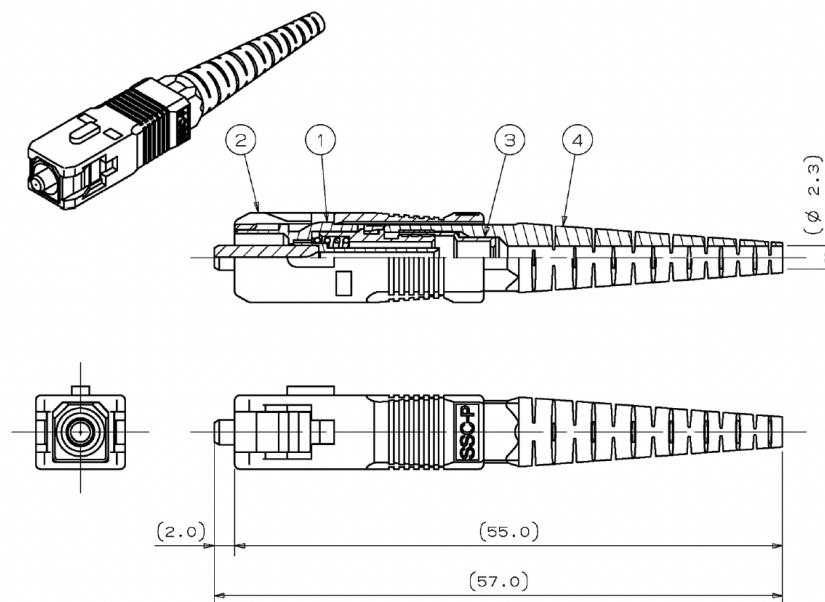
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Unit: mm

Figure 2 SSC-PE Series Connector Plug (for ø 2 mm cord)



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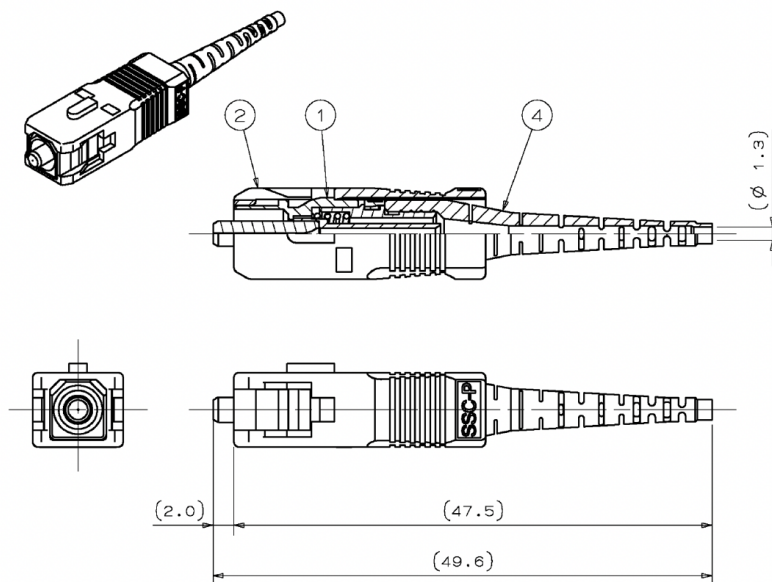
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- Notes: 1 This drawing shows the tentatively assembled condition.
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- 2 This drawing does not include the cap.

Unit: mm

Figure 3 SSC-PE Series Connector Plug (for ϕ 0.9 mm buffered fiber)

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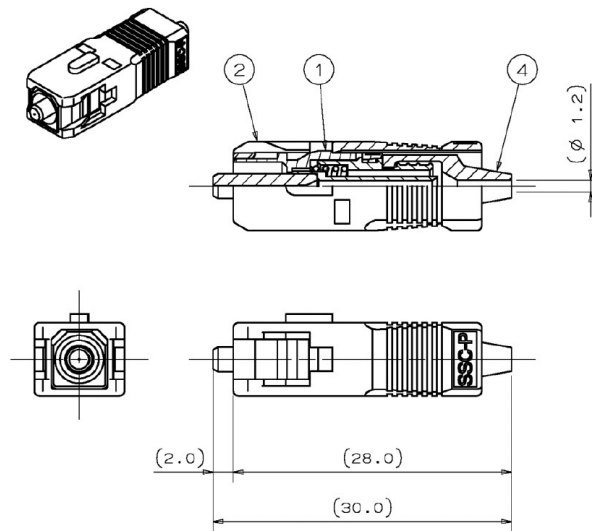
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- 2 This drawing does not include the cap.

Unit: mm

Figure 4 SSC-PE Series Connector Plug (for ø 0.9 mm buffered fiber, rubber boot)



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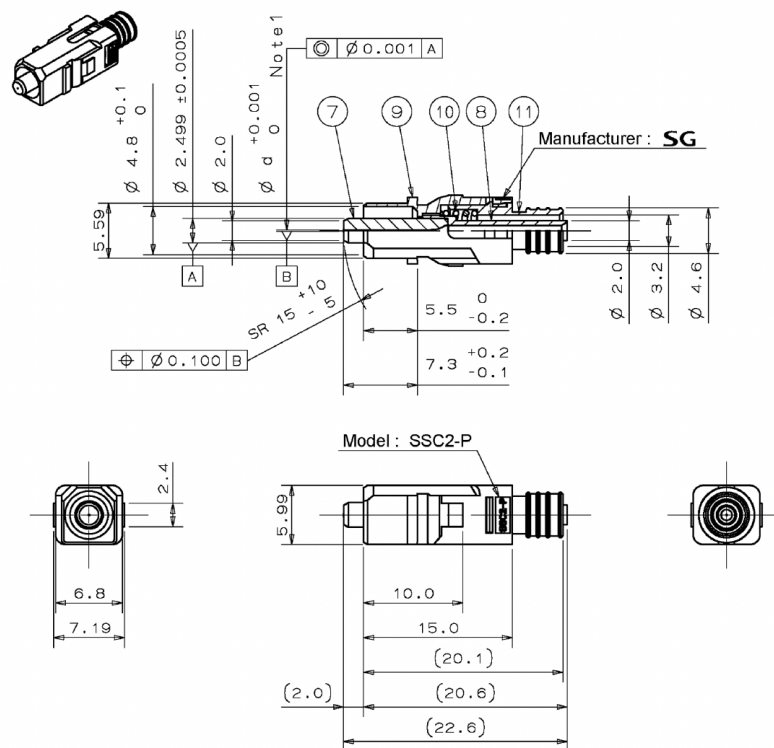
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Note 1 Diameter (ø d) differs according to the part number shown in Table 4.

Unit: mm

Figure 5 ①Main Body



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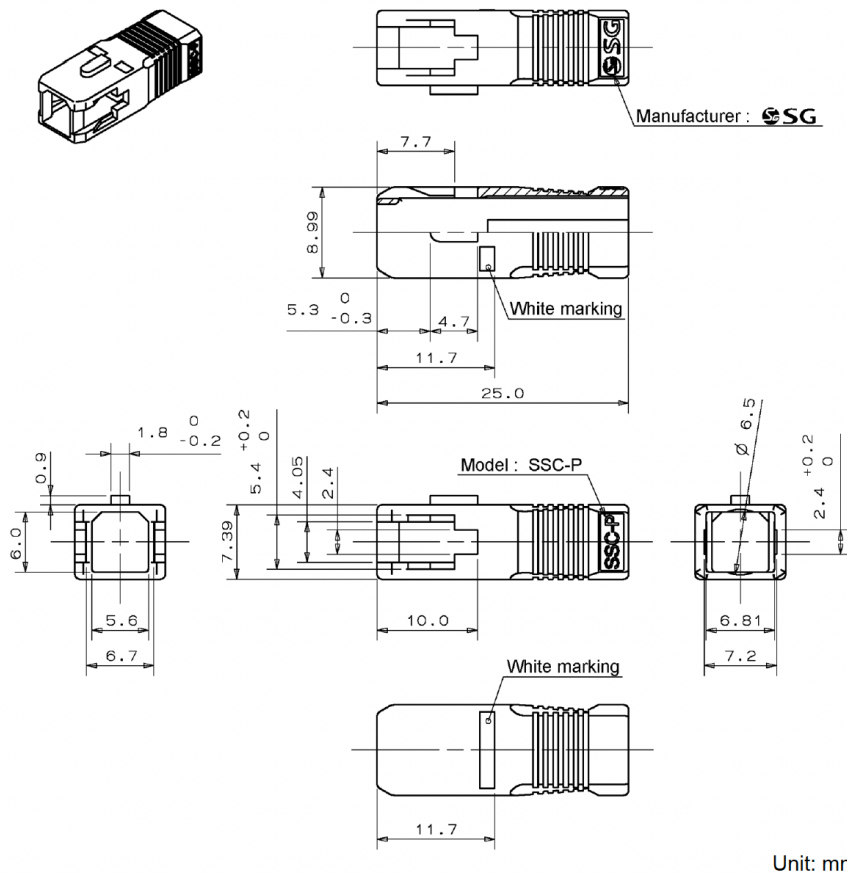


Figure 6 ©Grip

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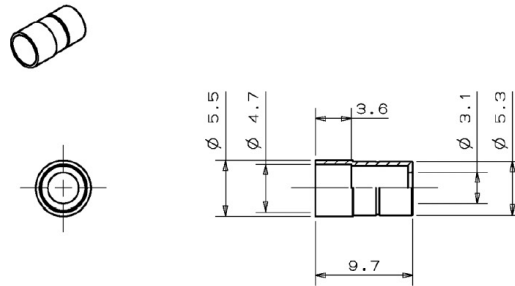
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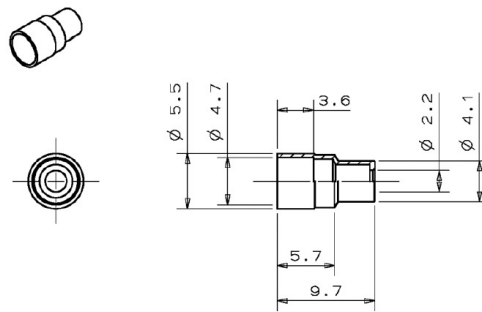
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Unit: mm

Figure 7 ③-1 Crimping Ring (for Ø 3 mm cord)



Unit: mm

Figure 8 ③-2 Crimping Ring (for Ø 2 mm cord)

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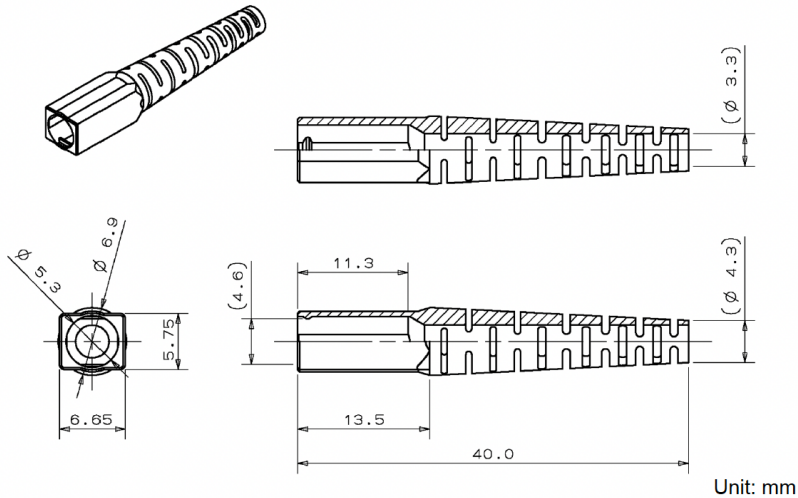
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Figure 9 ④-1 Boot (for Ø 3 mm cord)

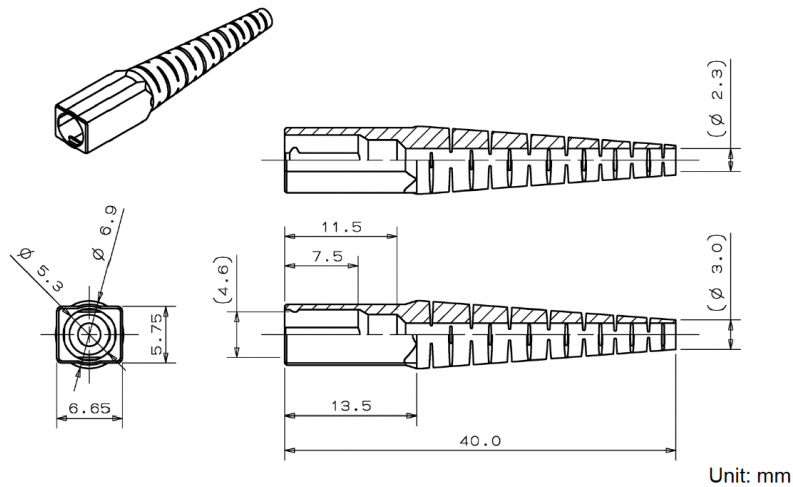


Figure 10 ④-2 Boot (for Ø 2 mm cord)



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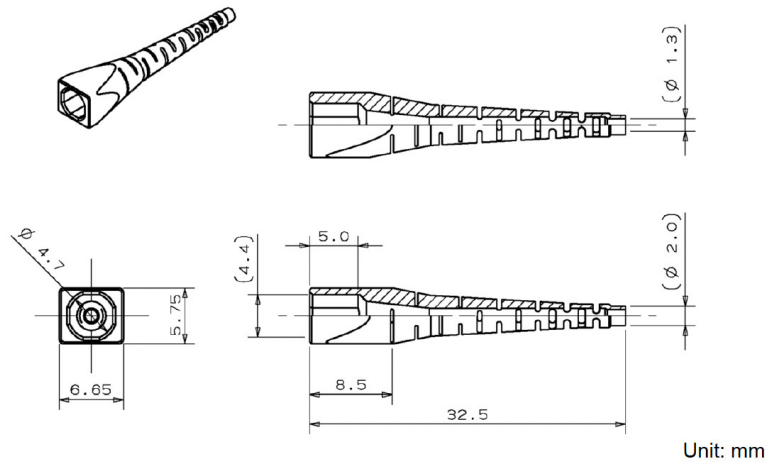


Figure 11 ④-3 Boot (for $\varnothing$ 0.9 mm buffered fiber)

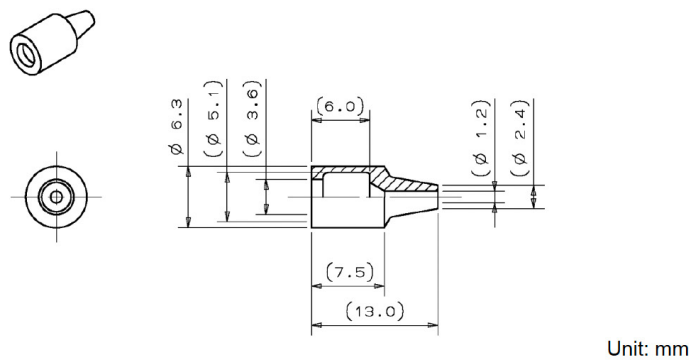


Figure 12 ④-4 Boot (for $\varnothing$ 0.9 mm buffered fiber, rubber boot)

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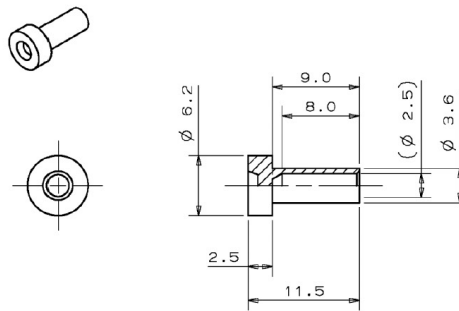
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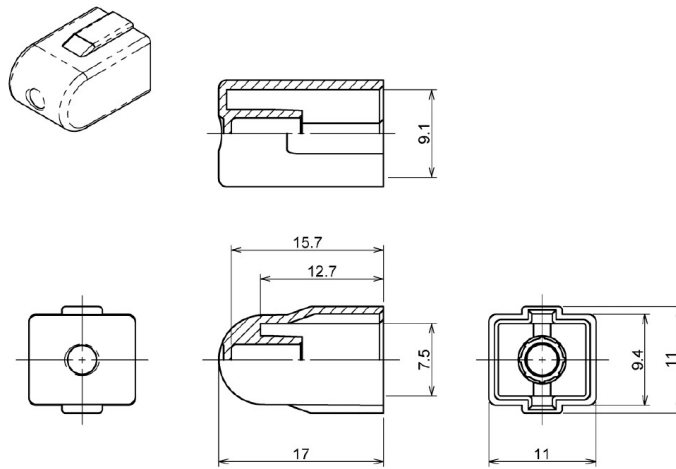
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Unit: mm

Figure 13 ⑤-1 Cap (Ferrule cap)



Unit: mm

Figure 14 ⑤-2 Cap (Dust cap)



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