

# **SGP-3 Series**

## **FC HOUSING**

### **for PC**

- 360 degree variable tuning -

## **TECHNICAL SPECIFICATIONS**



**SEIKOH GIKEN Co.,Ltd.**  
**Fiber Optic Products Division**  
296-1, MATSUHIDAI, MATSUDO-SHI,  
CHIBA, 270-2214 JAPAN.  
TEL: +81-47-388-6111 FAX: +81-47-388-4477

SGP-3 Series FC HOUSING for PC – 360 degree variable tuning –  
TECHNICAL SPECIFICATIONS

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S05-H032-01E	October	2006
S05-H032-02E	September	2007

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Please address any questions, comments and suggestions to:

**SEIKOH GIKEN USA, Inc.**  
**Headquarters**

4405 International Blvd., Suite B109  
Norcross, GA 30093 U.S.A.  
TEL: +1-770-279-6602 FAX: +1-770-279-8839

**Northeastern Field Office**

714 Executive Drive  
Princeton, NJ 08540  
TEL: +1-609-279-0225 FAX: +1-609-279-0207

**Western Field Office**

21250 Hawthorne Boulevard, Suite 700  
Torrance, CA 90503  
TEL: +1-310-792-7450 FAX: +1-310-792-7451

**SEIKOH GIKEN Europe GmbH**  
**Frankfurt Branch**

Siemensstrasse 9  
D-63263 Neu-Isenburg, Germany  
TEL: +49-6102-297-701  
FAX: +49-6102-297-750

**SEIKOH GIKEN Hong Kong Co.,Ltd.**

Concordia Plaza 21/F Rm2111,  
1 Science Museum Road, Tsim Sha Tsui East,  
Kowloon, Hong Kong.  
TEL: +852-26206551 FAX: +852-26206525

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1 SCOPE

These specifications apply to the SGP-3 series FC housing for PC – 360 degree variable tuning – supplied by SEIKOH GIKEN Co., Ltd.

2 PART NUMBER

Part number of the housing is shown in Table 1.

Table 1 Part Number

MODEL Number		TYPE Number																																							
<b>SGP-3</b>		<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>K</b>	<b>0</b>	<b>G</b>																																
<table border="1"> <tr><td colspan="2">Boot Color</td></tr> <tr><td>5</td><td>Blue</td></tr> </table>		Boot Color		5	Blue	<table border="1"> <tr><td colspan="2">Boot I.D. [mm] , Marking</td></tr> <tr><td>6 0</td><td>for ø 2 cord (Flexible) No Marking</td></tr> <tr><td>7 0</td><td>for ø 3 cord (Flexible) No Marking</td></tr> </table>		Boot I.D. [mm] , Marking		6 0	for ø 2 cord (Flexible) No Marking	7 0	for ø 3 cord (Flexible) No Marking	<table border="1"> <tr><td colspan="2">Specification</td></tr> <tr><td>K</td><td>Mold frame</td></tr> <tr><td>J</td><td>Cutout frame</td></tr> </table>		Specification		K	Mold frame	J	Cutout frame	<table border="1"> <tr><td colspan="2">Auxiliary digit</td></tr> <tr><td colspan="2">0 G</td></tr> </table>		Auxiliary digit		0 G		<table border="1"> <tr><td colspan="2">Package</td></tr> <tr><td>1</td><td>Main body tentatively assembled, Bulk Package</td></tr> </table>		Package		1	Main body tentatively assembled, Bulk Package	<table border="1"> <tr><td colspan="2">Cap</td></tr> <tr><td>0</td><td>No Cap</td></tr> <tr><td>1</td><td>Black Cap</td></tr> </table>		Cap		0	No Cap	1	Black Cap
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Please contact us for other specifications.

### 3 GENERAL SPECIFICATIONS

#### 3.1 Physical Dimensions

The product shall meet the specification in drawings.

- In accordance with IEC 61754-13 Type FC-PC connector family.
- In accordance with JIS C 5970 F01 Type connectors.

#### 3.2 Appearance

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

### 4 FEATURE

#### 4.1 Mechanical Characteristics

Mechanical characteristics are shown in table 2.

Table 2 Mechanical characteristics

Test item	Conditions		Appearance & function
Vibration	IEC 61300-2-1	Frequency: 10 to 55 Hz Amplitude: 1.5 mm p-p Direction: x, y, z axis Duration: 30 min / direction	There should be no deformation, crack, loose and other damages on the plug housing.
Tensile strength of coupling mechanism	IEC 61300-2-6	Tensile load: 147N(15kgf)	
Mating durability	IEC 61300-2-2	500 times	It can be joined without any mechanical abnormality.

#### 4.2 Environmental Characteristics

Environmental characteristics are shown in table 3.

Table 3 Environmental characteristics

Test item	Conditions		Appearance & function
Change of temperature	IEC 61300-2-22	-40 to +85 °C, 10 cycles	There should be no deformation, crack, loose and other damages on the plug housing.
Dry heat	IEC 61300-2-18	+85 °C, 240 hr	
Cold	IEC 61300-2-17	-40 °C, 240 hr	
Humidity / condensation cycling	Telcordia GR-326-CORE	-10 to +65 °C, 90 to 100 %RH, 14 cycles	

## 5 PACKING

The product is packed to prevent damage during shipment.

## 6 IDENTIFICATION

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

## 7 HANDLING AND CARE

### 7.1 Conditions of Storage

Keep the product, in the packing bag, at the following conditions for its storage.

- Storage temperature: -40 to +85 degrees C
- Storage humidity: 0 to 85%RH, non-condensing

### 7.2 Precautions for Use

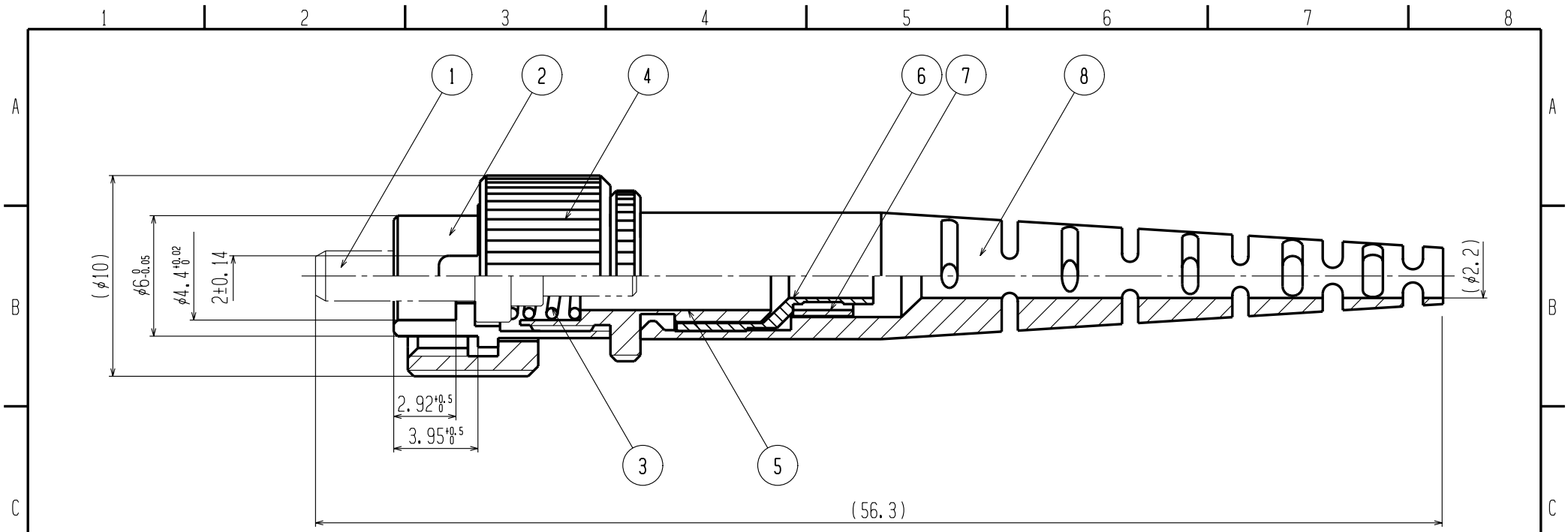
Contamination, oil, sweat and others debris on the ferrule end face may influence the performance of the product. If contamination is on the ferrule end face, wipe the end face with the end face cleaner.

### 7.3 Disposal

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

## 8 DRAWING

- S05-H032-D01E : SGP-356001K0G
- S05-H032-D02E : SGP-356001J0G
- S05-H032-D03E : SGP-357001K0G
- S05-H032-D04E : SGP-357001J0G
- S05-H032-D05E : SGP-356011K0G
- S05-H032-D06E : SGP-356011J0G
- S05-H032-D07E : SGP-357011K0G
- S05-H032-D08E : SGP-357011J0G

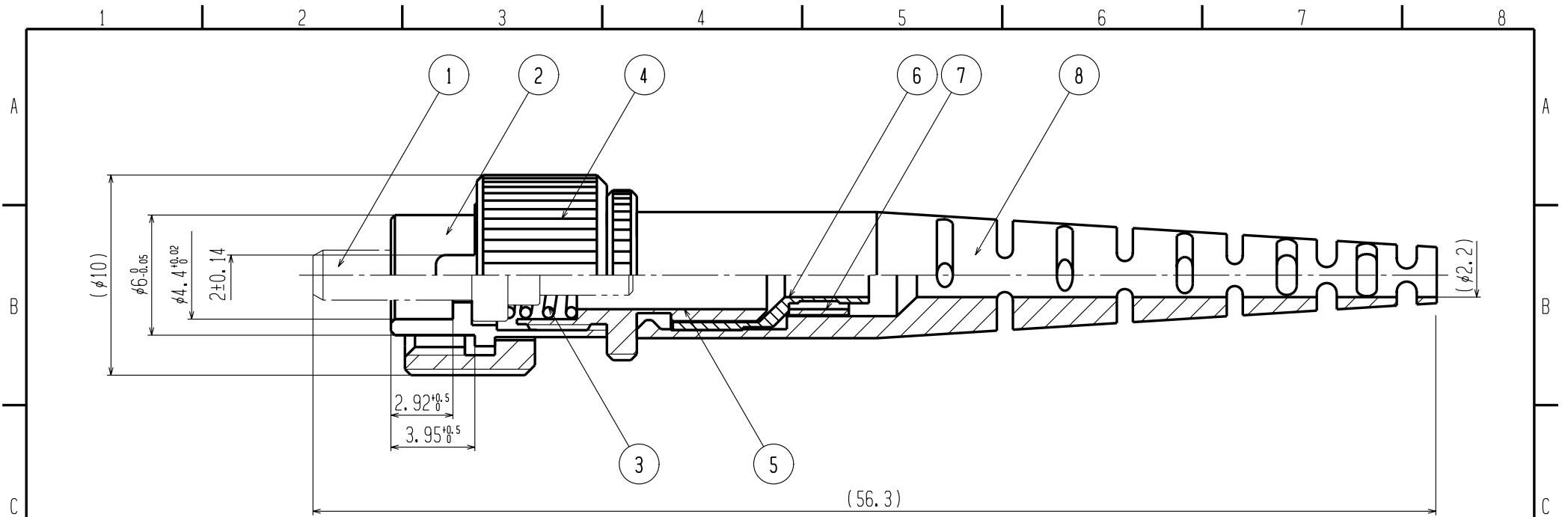


8	1	FLEXIBLE BOOT(BLUE)	PBT+Si	
7	1	RING	BRASS	Ni PLATING
6	1	CRIMP RING	ALUMINUM	
5	1	HOLDER	BRASS	Ni PLATING
4	1	COUPLING NUT	BRASS	Ni PLATING
3	1	COMPRESSION SPRING	STAINLESS STEEL WIRE	
2	1	FRAME	Zn DIECAST	Ni PLATING
1	(1)	FERRULE	-	NOT INCLUDING
NO (番号)	QTY (数量)	TITLE (名称)	MATERIAL (材料)	TREATMENT (処理)

PARTS LIST  
(部品表)

MATERIAL (材料)	PART NO. (型番)	SGP-3 Series
TREATMENT (処理)	SGP-356001K0G	
SCALE (尺度)	UNIT (単位)	DATE (日付)
Free	1=1mm	2007/06/15
APPROVED BY (承認)	CHECKED BY (検閲)	DESIGNED BY (設計)
Y. KAKUTANI	K. KURUMADA	M. JIBIKI
DRAWN BY (製図)		M. JIBIKI
ITEM NO. (品目コード)		SHEET NO. (枚数)
DRAWING NO. (図番)		PAGE (ページ)
SEIKOH GIKEN Co.,Ltd.		S05-H032-D01E

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△	ISSUED	2006/10/20
Rev. (図歴)	DESIGN CHANGE (設計変更)	DATE (日付)

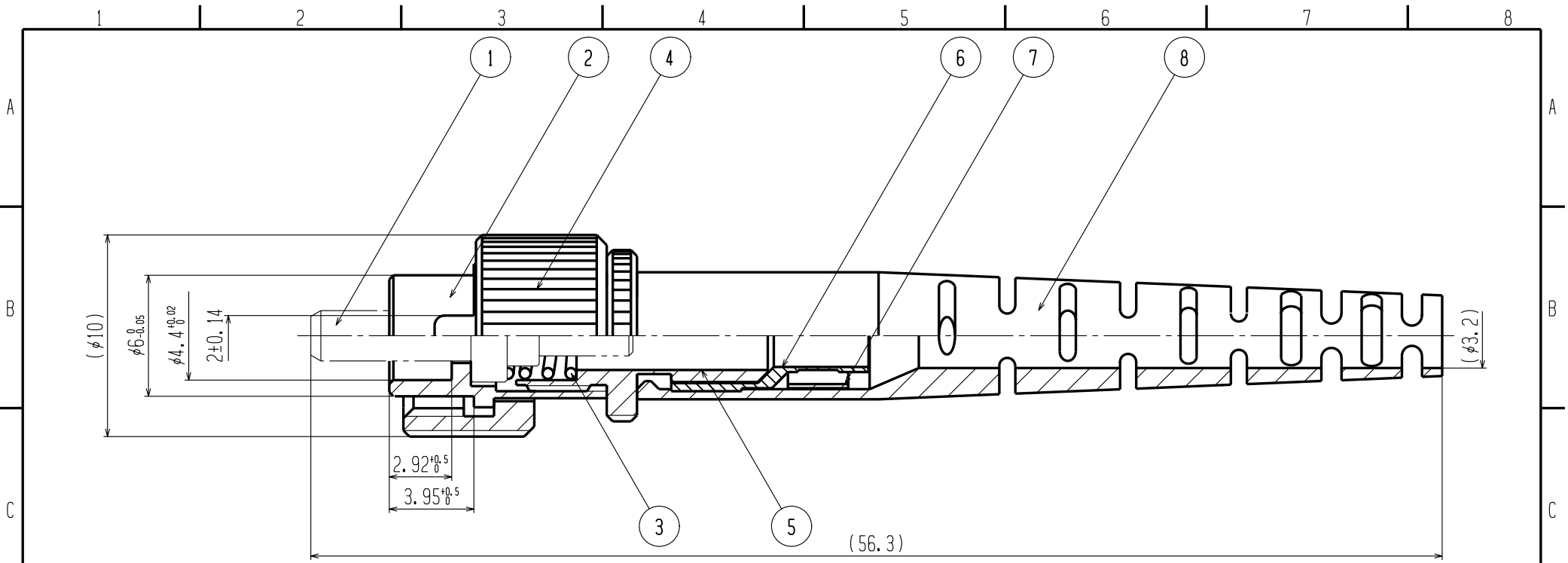


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SCALE (尺度)	UNIT (単位)	DATE (日付)		TITLE (名称)	
Free	1=1mm	2007/06/15		FC HOUSING for PC (360 degree variable tuning)	
APPROVED BY (承認)	CHECKED BY (検閲)	DESIGNED BY (設計)	DRAWN BY (製図)	ITEM NO. (品目コード)	SHEET NO. (枚数)
Y. KAKUTANI	K. KURUMADA	M. JIBIKI	M. JIBIKI		
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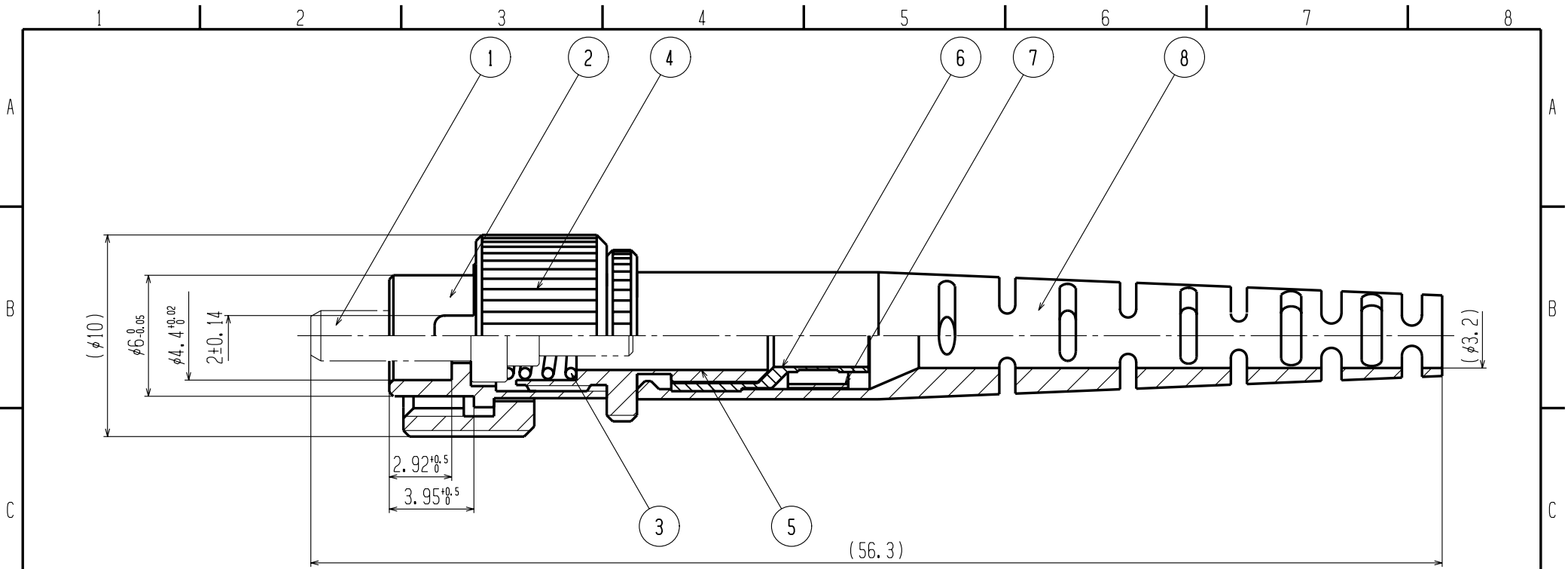


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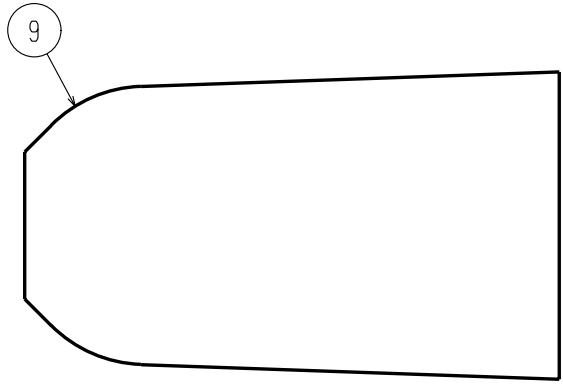
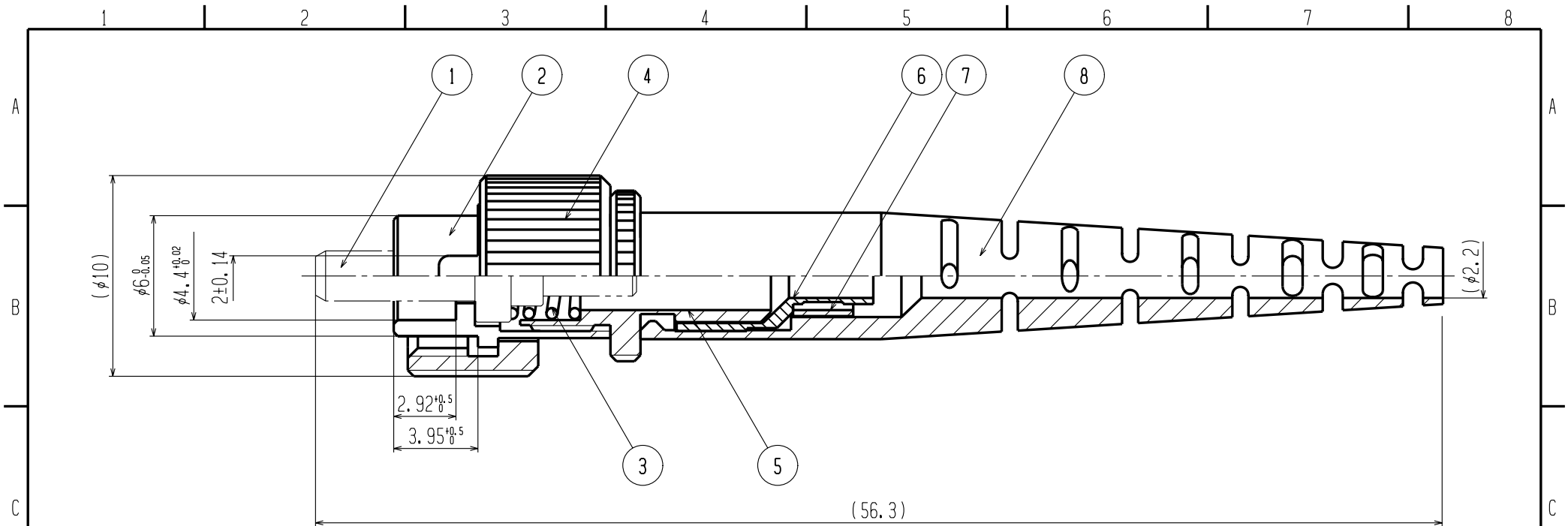


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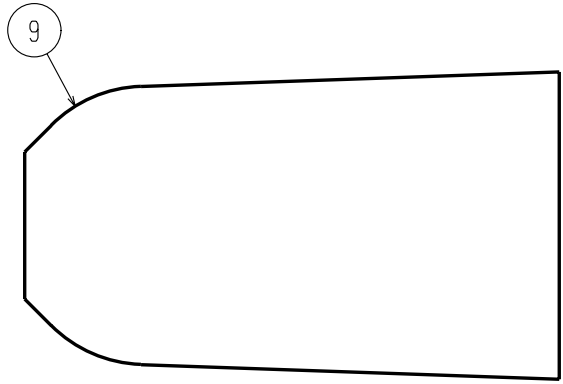
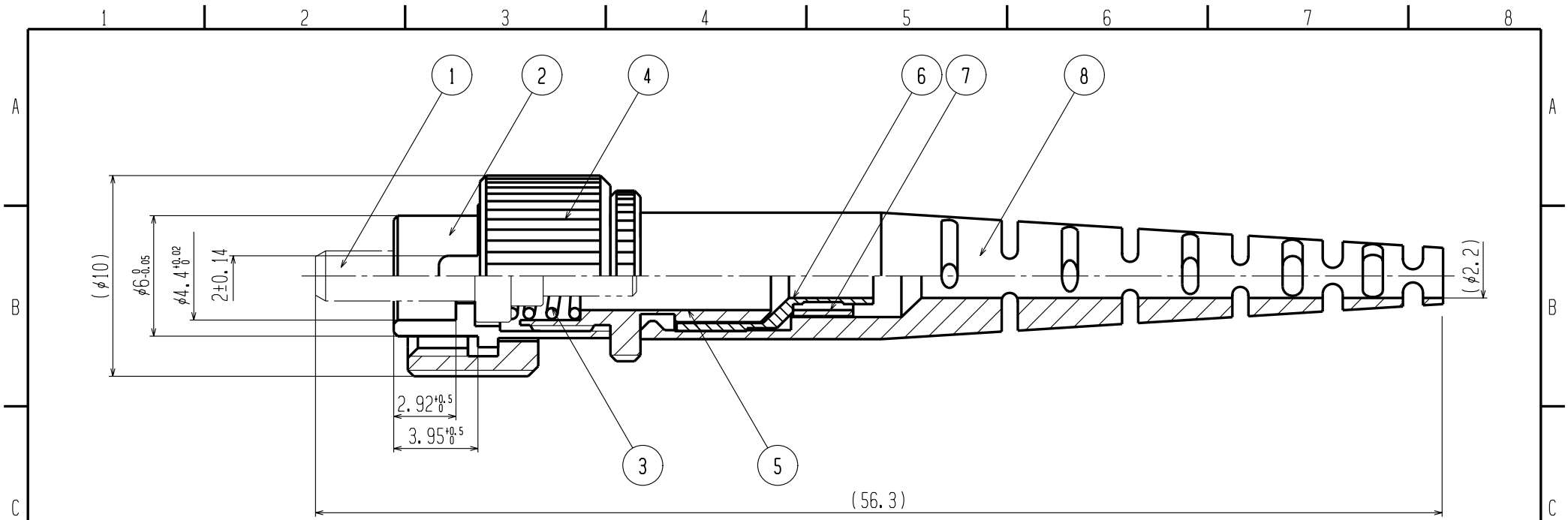


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Free		UNIT (単位)		SGP-356011K0G	
1=1mm		DATE (日付)		FC HOUSING for PC	
2007/09/03		APPROVED BY (承認)		(360 degree variable tuning)	
Y. KAKUTANI		CHECKED BY (検閲)		ITEM NO. (品目コード)	
D. KUBO		DESIGNED BY (設計)		SHEET NO. (枚数)	
M. JIBIKI		DRAWN BY (製図)		PAGE (ページ)	
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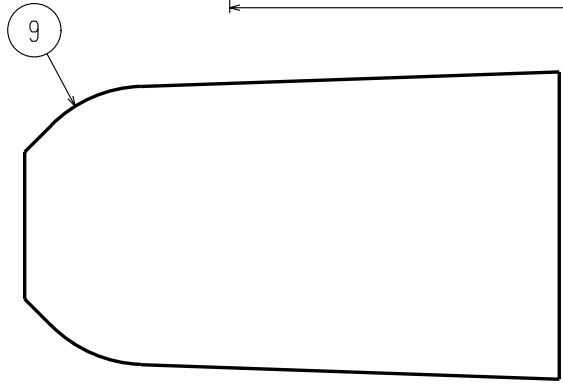
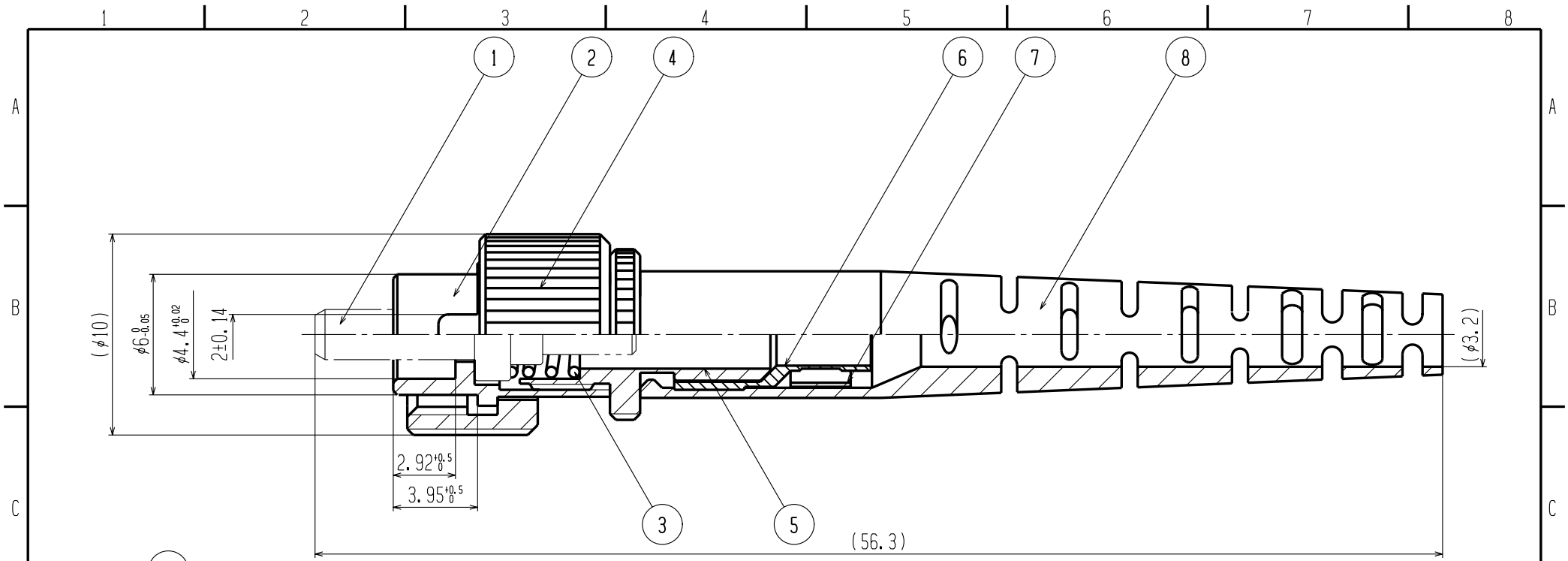


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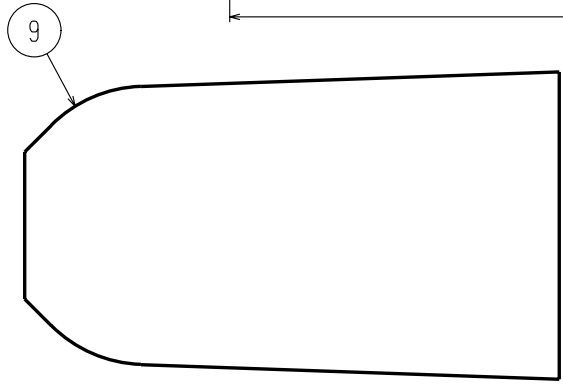
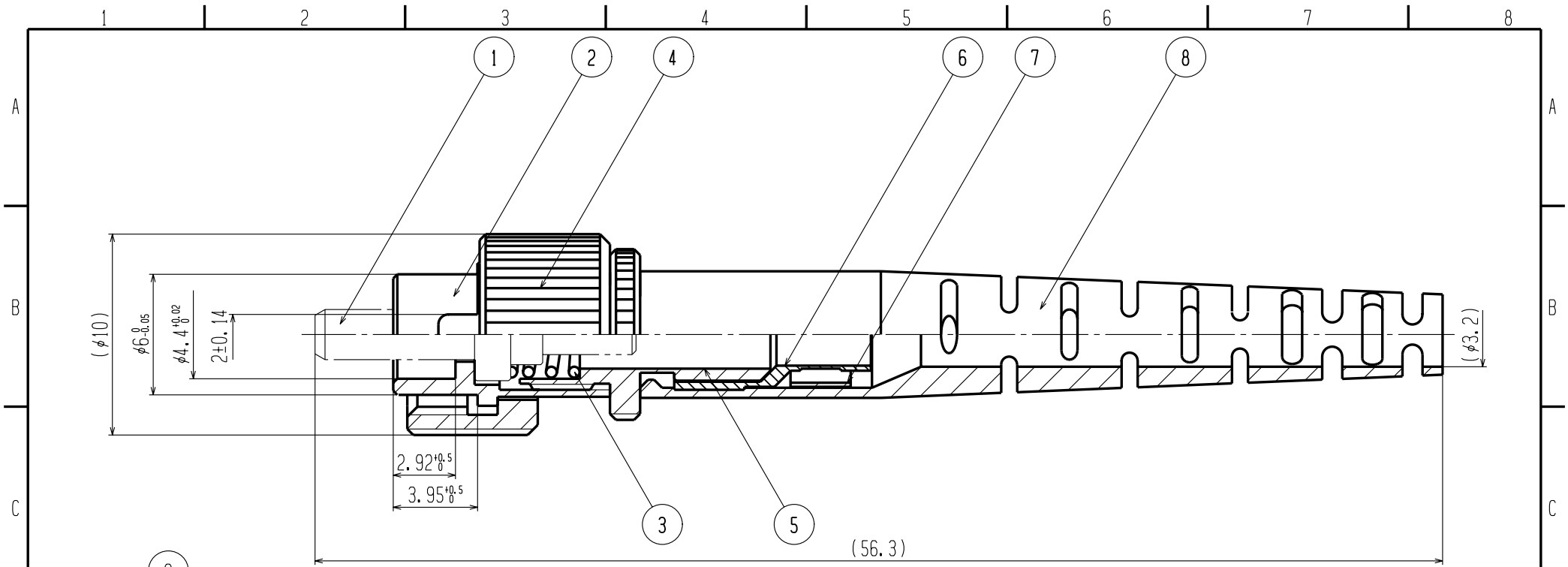


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MATERIAL (材料)		PART NO. (型番)		SGP-3 Series	
TREATMENT (処理)		DATE (日付)		SGP-357011JOG	
SCALE (尺度)	UNIT (単位)	DATE (日付)		TITLE (名称)	
Free	1=1mm	2007/09/03		FC HOUSING for PC	
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