

75 ohm BNC PCB Mount Receptacles (Hex Nut Type)

BCJ-FP and RP Series are 75 ohm BNC connectors which have a hex nut and lock washer for front or rear-mounting on a panel.

Key Features and Benefits

- BCJ-FPLV-12G is specially designed to minimize the return loss for 12G-SDI
- Return loss:
BCJ-FPLV-12G: 15 dB @ 6 GHz, 10 dB @ 12 GHz,
BCJ-FPLV-L: 26.4 dB @ 3 GHz, Others: 26.4 dB @ 1 GHz.

Note: Any cleaning solvents cannot be used. This leads to insulation problems.
Insulation material: m-PPO (m-PPE)

[For inquiries about this products](#)



Tech Data

Downloads

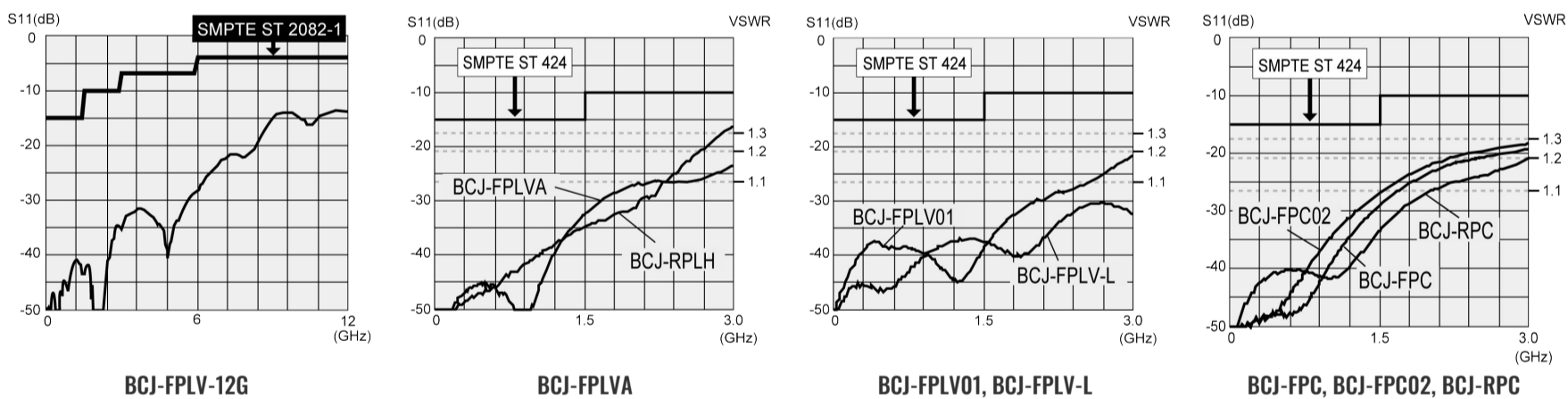
Front Mount

Type	Model	Description	Stud Position	Panel Mount	Standard package
	BCJ-FPLV-12G	Right Angle, for 12G-SDI	Vertical	Front: Hex nut and lock washer	20pcs / 100pcs
	BCJ-FPLVA	Right Angle			
	BCJ-FPLV01	Right Angle, Low Cost			
	BCJ-FPLV-L	Right Angle, Long Neck			
	BCJ-FPLHA	Right Angle	Horizontal	Rear: Hex nut and lock washer	20pcs / 100pcs
	BCJ-FPC	Straight	-		
	BCJ-FPC02	Straight, Low Cost	-		

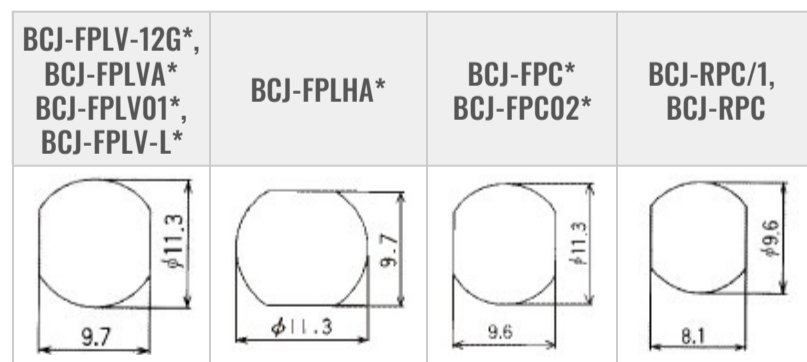
Rear Mount

Type	Model	Description	Stud Position	Panel Mount	Standard package
	BCJ-RPC	Straight, Through Hole Mount	-	Rear: Hex nut and lock washer	20pcs / 100pcs
	BCJ-RPC/1	Straight, Surface Mount	-		

Return loss

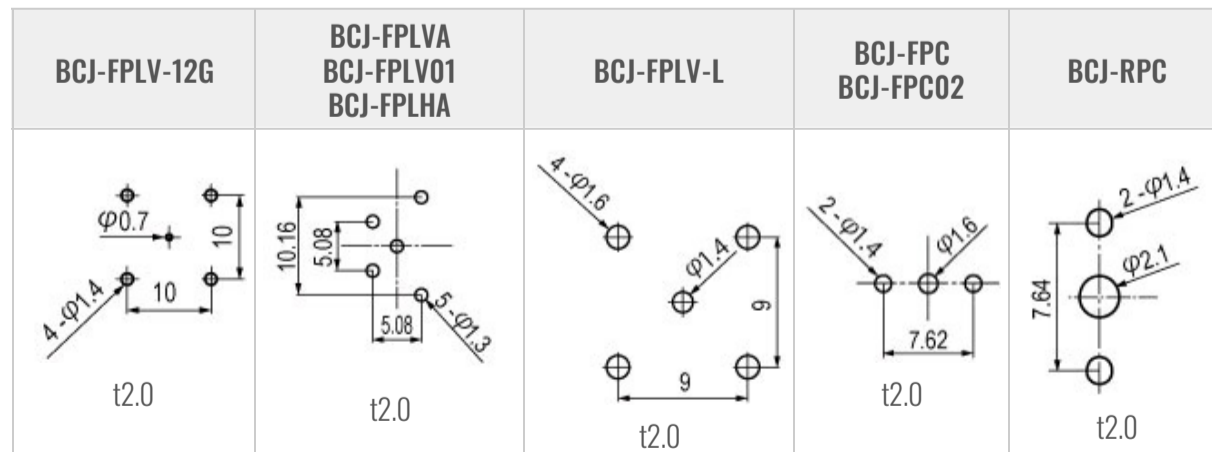


Panel Hole Dimensions



* BCJ-FP series accept insulation bushing IU-7/16, and the panel hole for IU-7/16 should be adopted in this case.

PC Board Hole Dimensions



Technical Note

Voltage Standing - wave Ratio (VSWR) and Return Loss

Terminating the receiving end of a limited length coaxial cable using a resistance value not equal to its characteristic impedance creates a reflected wave that returns back down the cable to the sending end. The result is interference developing between the travelling wave and the return wave which results in a standing wave that causes voltage levels to fluctuate. The degree to which terminating resistance matches the characteristic impedance is indicated using the VSWR or voltage standing-wave ratio standard shown in Fig. 1. Going hand in hand with the VSWR ratio is the return loss factor which measures the size of the reflected wave current in relation to the travelling wave current. (See Fig. 2)

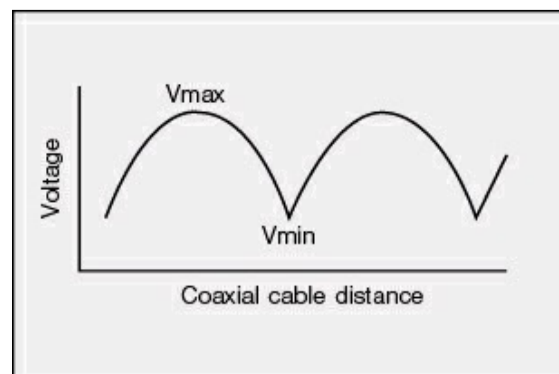


Fig. 1 Voltage Distribution Over Coaxial Cable

VSWR	Return Loss (dB)
2	9.54
1.5	13.98
1.2	20.83
1.1	26.44
1.05	32.26
1.02	40.09
1.01	46.06

Fig. 2 VSWR to Return Loss Conversion Table

PRODUCT SPECIFICATIONS

(BCJ-FPLV-12G)

SAB493

Ver. 1.0

CANARE ELECTRIC CO., LTD

BNC receptacle.

1. Scope This product specification covers the performance of CANARE 75**2. General Specifications**

- (1) **Product name** 75 BNC receptacle
 (2) **Model name** BCJ-FPLV-12G
 (3) **Applicable standard** IEC*¹ 61169-8, JIS*² C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (BL493).
 (6) **Weight** Approx 18.5g(including mouting nut, locked washer and washer)
 (7) **Designation** Brand name(CANARE) and stamp on the body.
 (8) **Packaging** 20pcs/package (150 x 50 x 44mm), 100pcs/package (220 x 158 x 50mm)
 *¹International Electrotechnical Commission
 *²Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +85
 (2) **Operating humidity** ~ 90%

4. Characteristics**4.1 Electrical characteristics** As shown in **Table 1****Table 1**

Items	Specified values	Test methods
Insulation resistance	5000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Return loss	26dB or more (0 ~ 1.5GHz) 20dB or more (0 ~ 3GHz) 15dB or more (0 ~ 6GHz) 10dB or more (0 ~ 12GHz)	Terminating with 75 and measured. The measuring frequency up to 12GHz.

4.2 Mechanical characteristics As shown in **Table 2****Table 2**

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.0N or more	Following pin gauge (Fig) shall be inserted the female contact and measurement shall be made.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in **Table 3****Table 3**

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35 ± 2 °C for 48h (Salt solution concentration: $5\pm 1\%$ by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in **Table 4****Table 4**

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245 ± 3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260 ± 3 Immersion time: 9s to 11s Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380 ± 10 Application time of soldering iron: 3s to 4s

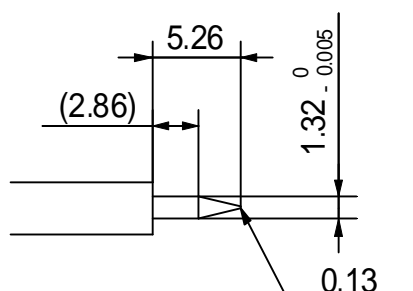
5. Measurement conditions

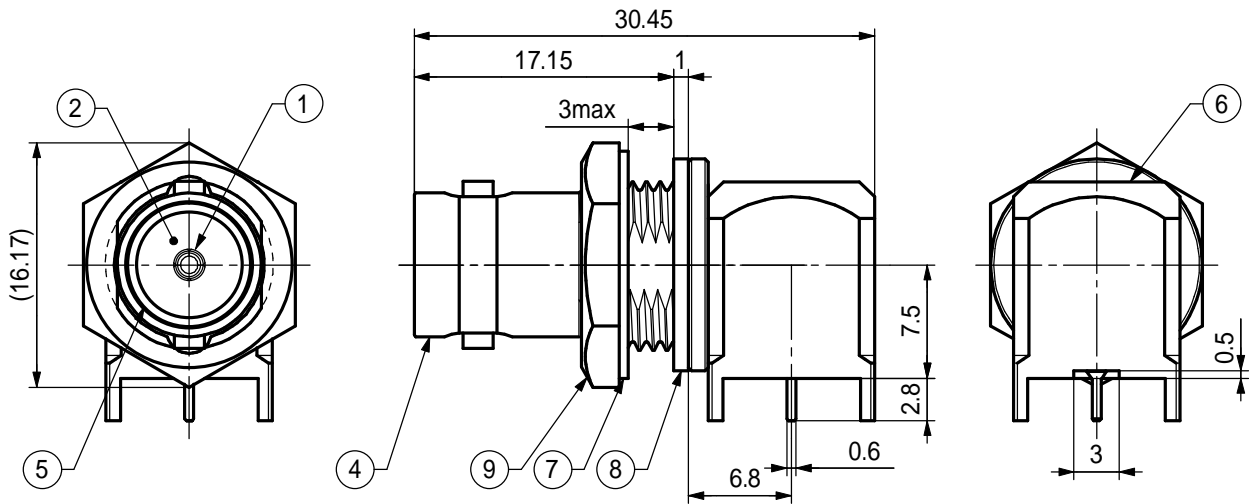
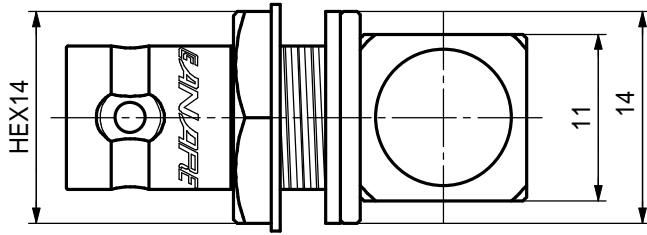
Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 °C to 35 °C), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20 ± 1 °C), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Tightening nut force: Less than 2.94N·m, when assembling to panel.

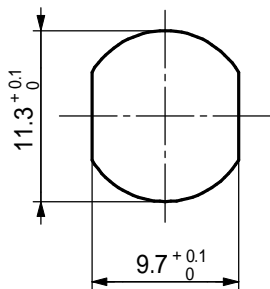
Fig.

Unit: mm

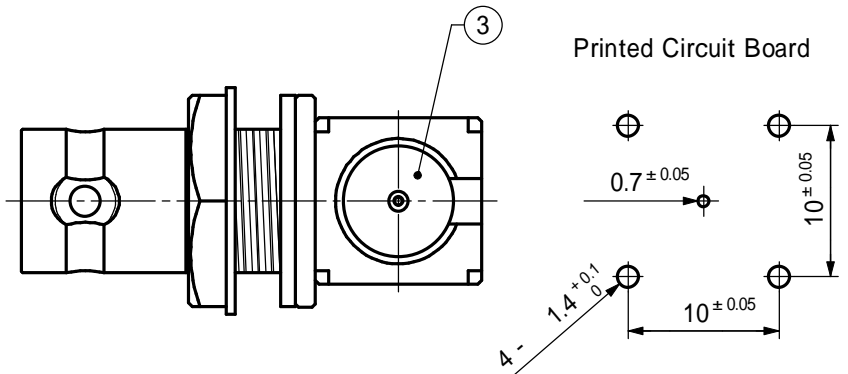




Mounting Hole



Printed Circuit Board



Printed Circuit Board thickness must be less than 2mm.

9	Mounting Nut	1	Brass(t2.5)	Nickel Plating					
8	Washer	1	Brass(t1)	Nickel Plating					
7	Locked Washer	1	Phosper Bronze(t0.6)	Nickel Plating					
6	Body3	1	Brass	Gold Plating					
5	Body2	1	Brass	Nickel Plating					
4	Body	1	Brass	Nickel Plating					
3	Insulator2	1	PTFE	-					
2	Insulator	1	PTFE	-					
1	Female Center Contact	1	Beryllium Copper	Gold Plating					
No.	Name of Parts	Pc(s)	Material	End Finish					
Title	75 BNC RECEPTACLE	PJTN 	Unit mm	Sc. 2:1	Tol. ± 0.1	Date 2016-07-12	Ver. 1.0	Model BCJ-FPLV-12G	No. BL493

PRODUCT SPECIFICATIONS

(BCJ-FPLVA)

SAB021D
Ver. 2.1

CANARE ELECTRIC CO., LTD
BNC receptacle.

1. Scope This product specification covers the performance of CANARE 75

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
- (2) **Model name** BCJ-FPLVA
- (3) **Applicable standard** JIS* C 5412
- (4) **Nominal impedance** 75 unbalanced
- (5) **Construction** As shown in the drawing (BL021D).
- (6) **Weight** Approx 12.2g(including mouting nut, locked washer and washer)
- (7) **Designation** Brand name(CANARE) and stamp model name(BCJ-FPLVA) on the body.
- (8) **Packaging** 100pcs/package (265 x155 x 35mm),20pcs/package (106 x 100 x 44mm)
*Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +100
- (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in **Table 1**

Table 1

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less (0 ~ 1GHz)	Terminating with 75 and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in **Table 2**

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 245N and rotation strength of 2.45N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in **Table 3**

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50m or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in Table 4

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245 ± 3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260 ± 3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380 ± 10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 to 35 °C), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20 ± 1 °C), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Note

6.1 Tightening nut force: Less than 2.94N·m, when assembling to panel.

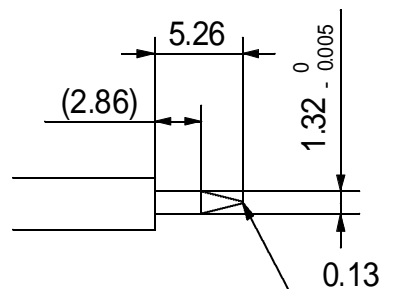
6.2 For soldering

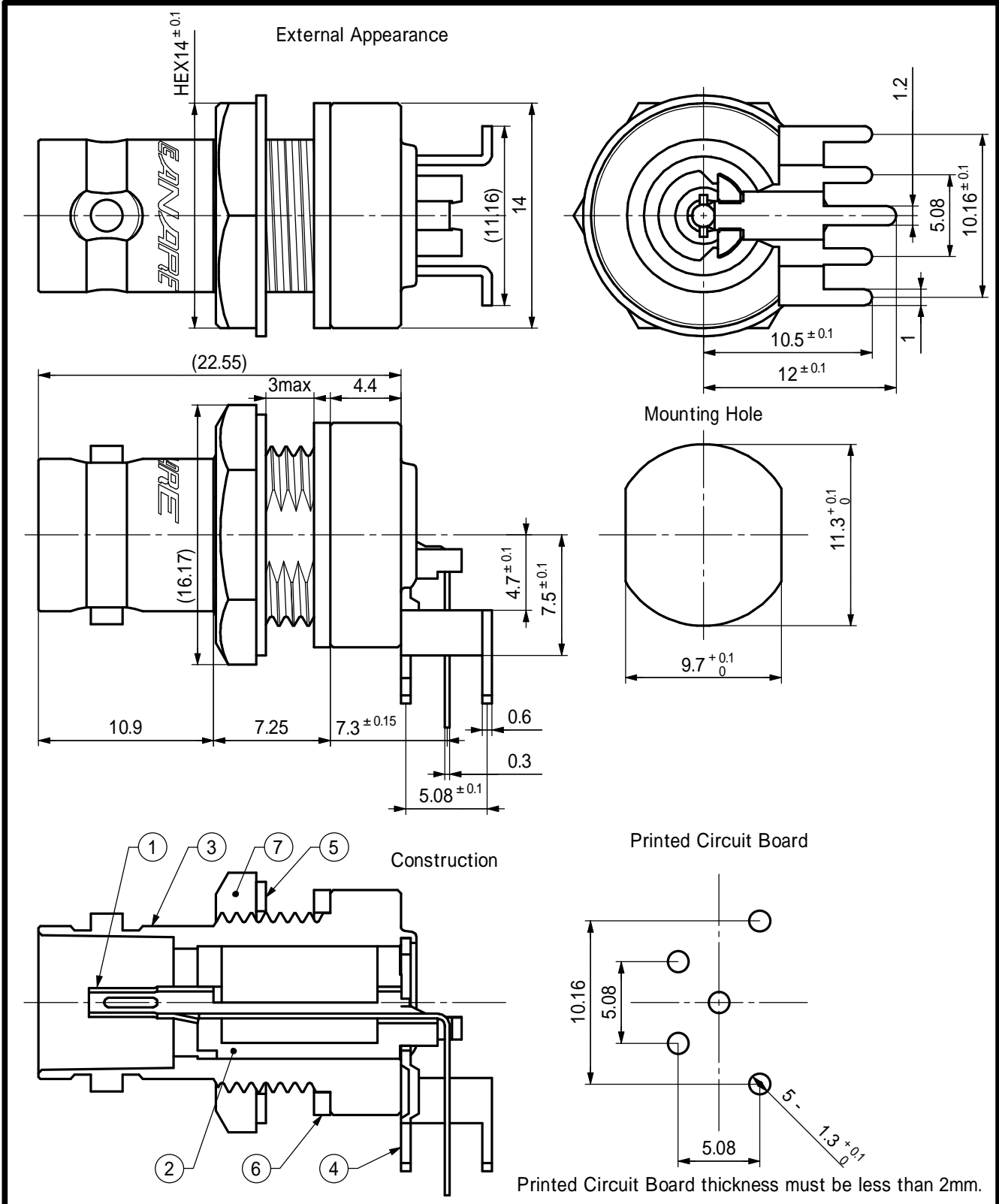
(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.

Fig.

Unit: mm





7	Mounting Nut	1	Brass(t2.5)	Nickel Plating
6	Washer	1	Brass(t1)	Nickel Plating
5	Locked Washer	1	Phospher Bronze(t0.6)	Nickel Plating
4	Ground Lug	1	Brass(t0.6)	Sn-Cu Plating
3	Body	1	Brass	Nickel Plating
2	Insulator	1	m-PPO(White)	-
1	Female Center Contact	1	Beryllium Copper(t0.3)	Gold Plating

No.	Name of Parts	Pc(s).	Material		Finish				
Title	75 BNC PCB MOUNT RECEPTACLE	PJTN	Unit	Sc.	Tol.	Date	Ver. 2.1	Model	No.
			mm	2 2:1	±0.05	2005-10-07		BCJ-FPLVA	BL021D

PRODUCT SPECIFICATIONS

(BCJ-FPLV01)

SAB057A

Ver. 2.1

CANARE ELECTRIC CO., LTD

1. **Scope** This product specification covers the performance of CANARE 75 BNC receptacle.

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
 (2) **Model name** BCJ-FPLV01
 (3) **Applicable standard** JIS* C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (BL057A).
 (6) **Weight** Approx 9.4g(including mouting nut, locked washer and washer)
 (7) **Designation** Stamp brand name(CANARE) on the body.
 (8) **Packaging** 100pcs/package (265 x155 x 35mm),20pcs/package (106 x 100 x 44mm)
 *Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -30 ~ +100
 (2) **Operating humidity** ~ 90%

4. Characteristics**4.1 Electrical characteristics** As shown in **Table 1****Table 1**

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less (0 ~ 1GHz)	Terminating with 75 and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in **Table 2****Table 2**

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in **Table 3****Table 3**

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2℃ for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in **Table 4****Table 4**

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245±3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260±3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380±10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15℃ to 35℃), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1℃), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

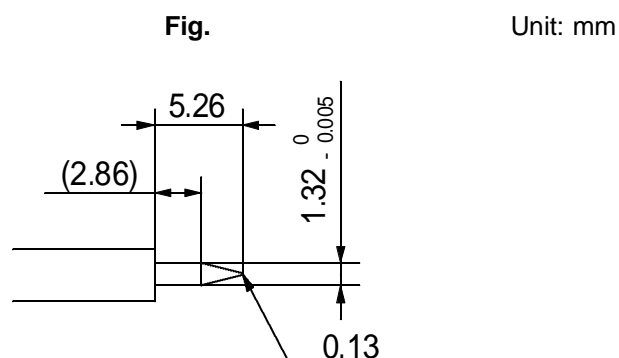
6. Note

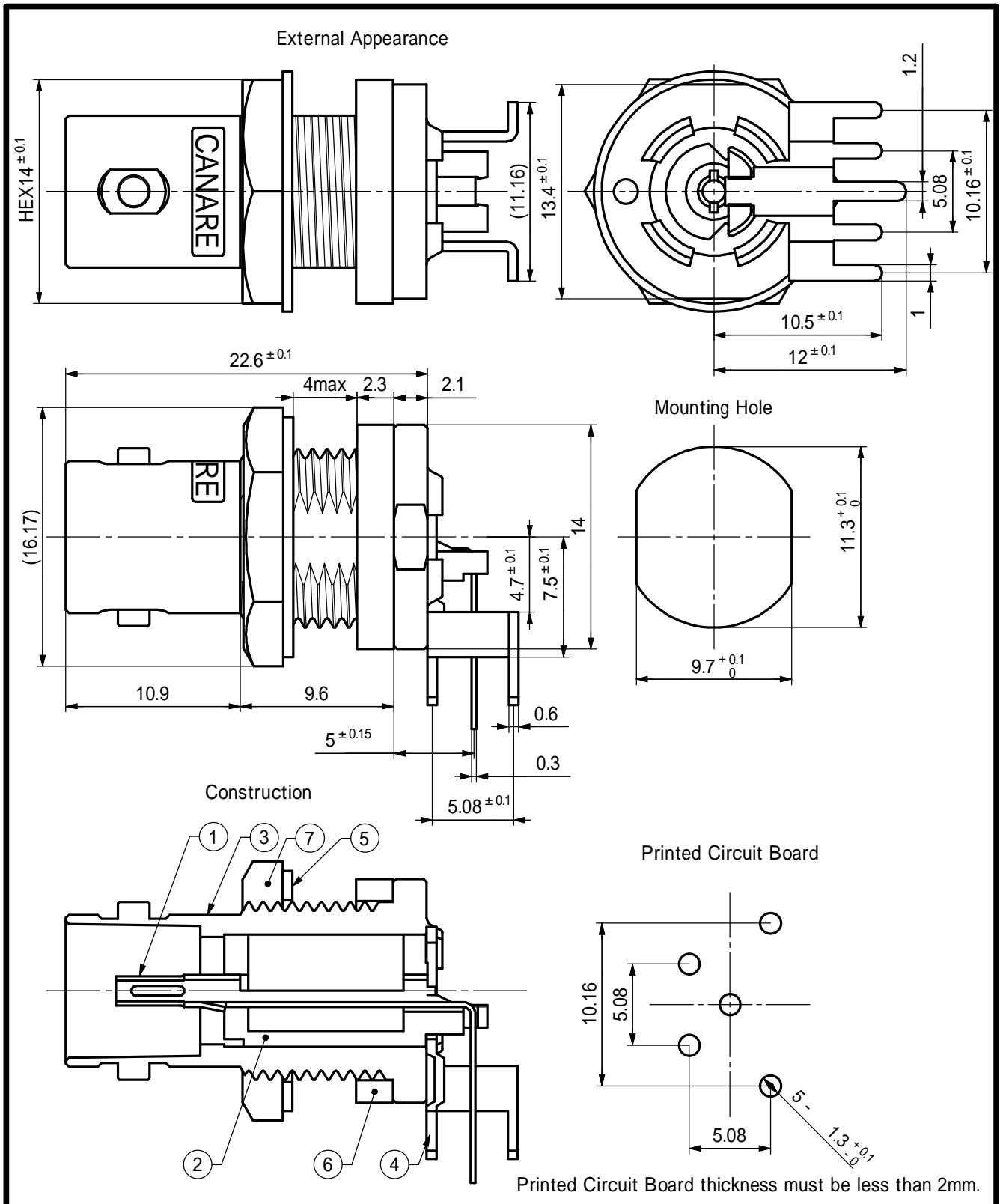
6.1 Tightening nut force: Less than 2.94N·m, when assembling to panel.

6.2 For soldering

(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.





7	Mounting Nut	1	Brass(t2.5)	Nickel Plating					
6	Washer	1	Brass(t2.3)	Nickel Plating					
5	Locked Washer	1	Phospher Bronze(t0.6)	Nickel Plating					
4	Ground Lug	1	Brass(t0.6)	Sn-Cu Plating					
3	Body	1	Zinc Alloy Die Casting	Nickel Plating					
2	Insulator	1	m-PPO(White)	-					
1	Female Center Contact	1	Beryllium Copper(t0.3)	Gold Plating					
No.	Name of Parts	Pc(s).	Material	Finish					
Title	75 BNC PCB MOUNT RECEPTACLE	PJTN 	Unit mm	Sc. 2 2:1	Tol. ± 0.05	Date 2005-10-07	Ver. 2.1	Model BCJ-FPLV01	No. BL057A

PRODUCT SPECIFICATIONS

(BCJ-FPLV-L)

1. Scope This product specification covers the performance of CANARE 75

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
 (2) **Model name** BCJ-FPLV-L
 (3) **Applicable standard** JIS* C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (TL099).
 (6) **Weight** Approx 26g (including mounting nut, locked washer and washer)
 (7) **Designation** Brand name (CANARE) on the body.
 (8) **Packaging** 10pcs/package (150 x 50 x 44mm)
 *Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +100
 (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in **Table 1**

Table 1

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less	Terminating with 75 and measured. The measuring frequency up to 3GHz.

4.2 Mechanical characteristics As shown in **Table 2**

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 245N and rotation strength of 2.45N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Other characteristics As shown in Table 3

Table 3

Items	Specified values	Test methods
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260±3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380±10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

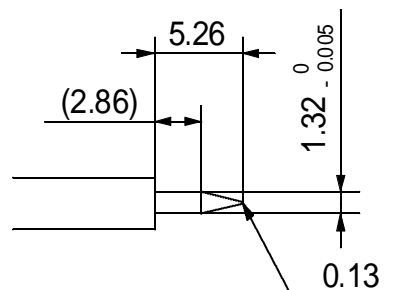
Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 to 35), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

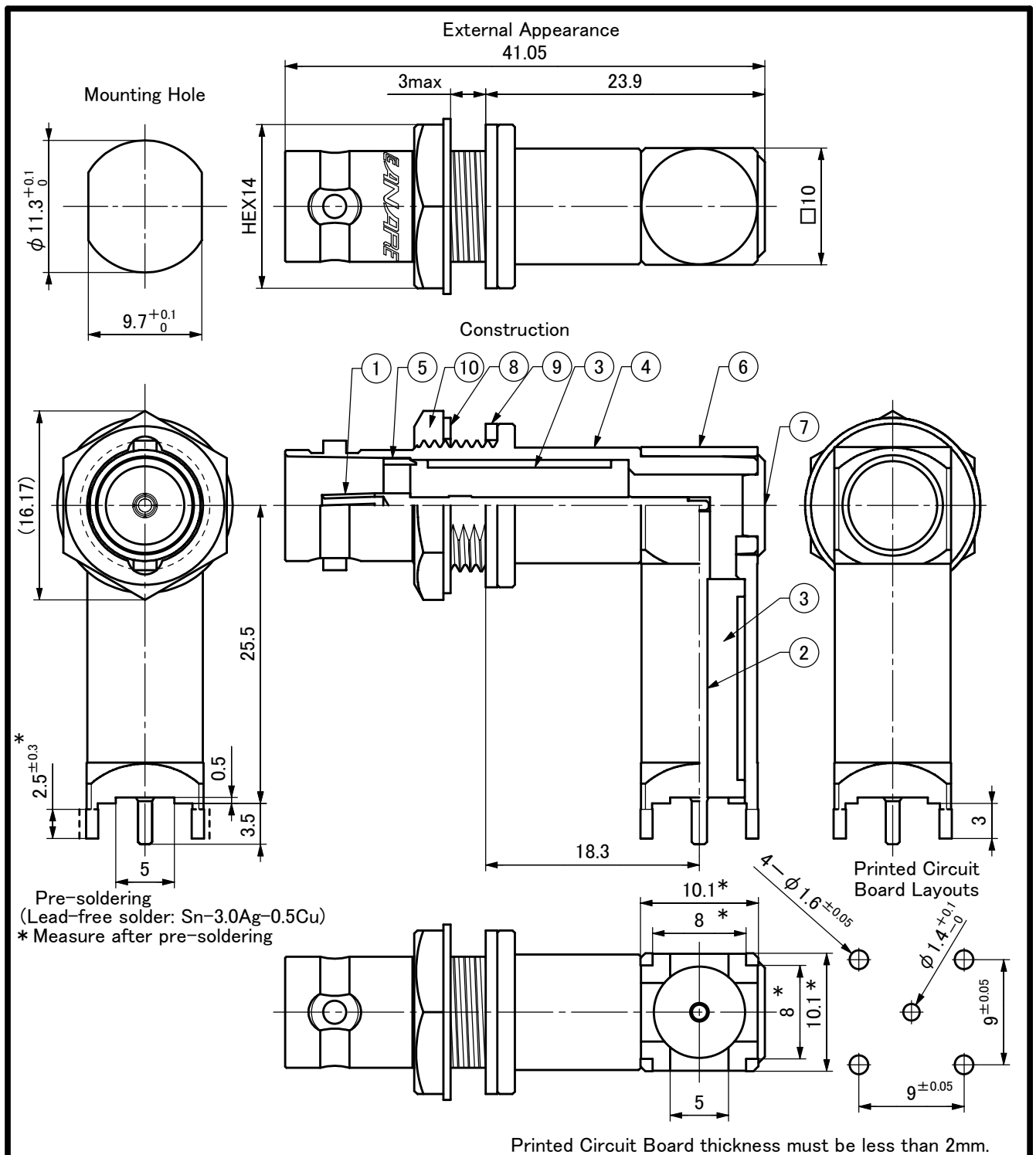
6. Note

6.1 Tightening nut force: 2.94N·m, when assembling to panel.

Fig.

Unit: mm





Printed Circuit Board thickness must be less than 2mm.

10	Mounting Nut	1	Brass(t2.5)	Nickel Plating
9	Washer	1	Brass(t1)	Nickel Plating
8	Locked Washer	1	Phosphor Bronze(t0.6)	Nickel Plating
7	Body4	1	Brass	Nickel Plating
6	Body3	1	Brass	Nickel Plating
5	Body2	1	Brass	Nickel Plating
4	Body	1	Brass	Nickel Plating
3	Insulator	2	PTFE	—
2	Center Contact2	1	Brass	Gold Plating
1	Female Center Contact	1	Beryllium Copper	Gold Plating

No.	Name of Parts	Pc(s).	Material				End Finish		
Title	75 Ω BNC PCB MOUNT RECEPTACLE	PJTN	Unit	Sc.	Tol.	Date	Ver. 1.1	Model	No.
			mm	2:1	±0.1	2009-11-12		BCJ-FPLV-L	TL099

PRODUCT SPECIFICATIONS

(BCJ-FPLHA)

SAB022D
Ver. 2.1

CANARE ELECTRIC CO., LTD
BNC receptacle.

1. **Scope** This product specification covers the performance of CANARE 75

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
 (2) **Model name** BCJ-FPLHA
 (3) **Applicable standard** JIS* C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (BL022D).
 (6) **Weight** Approx 12.2g(including mouting nut, locked washer and washer)
 (7) **Designation** Stamp brand name(CANARE) and model name(BCJ-FPLHA) on the body.
 (8) **Packaging** 100pcs/package (265 x155 x 35mm),20pcs/package (106 x 100 x 44mm)
 *Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +100
 (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in Table 1

Table 1

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less (0 ~ 1GHz)	Terminating with 75 and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in Table 2

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 245N and rotation strength of 2.45N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in Table 3

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50m or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in Table 4

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245 ± 3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260 ± 3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380 ± 10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 to 35 °C), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20 ± 1 °C), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Note

6.1 Tightening nut force: Less than 2.94N·m, when assembling to panel.

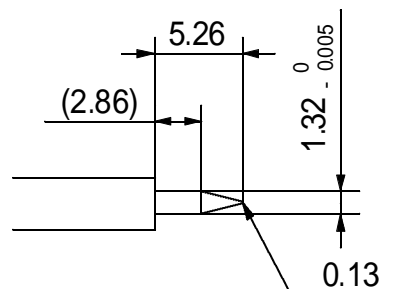
6.2 For soldering

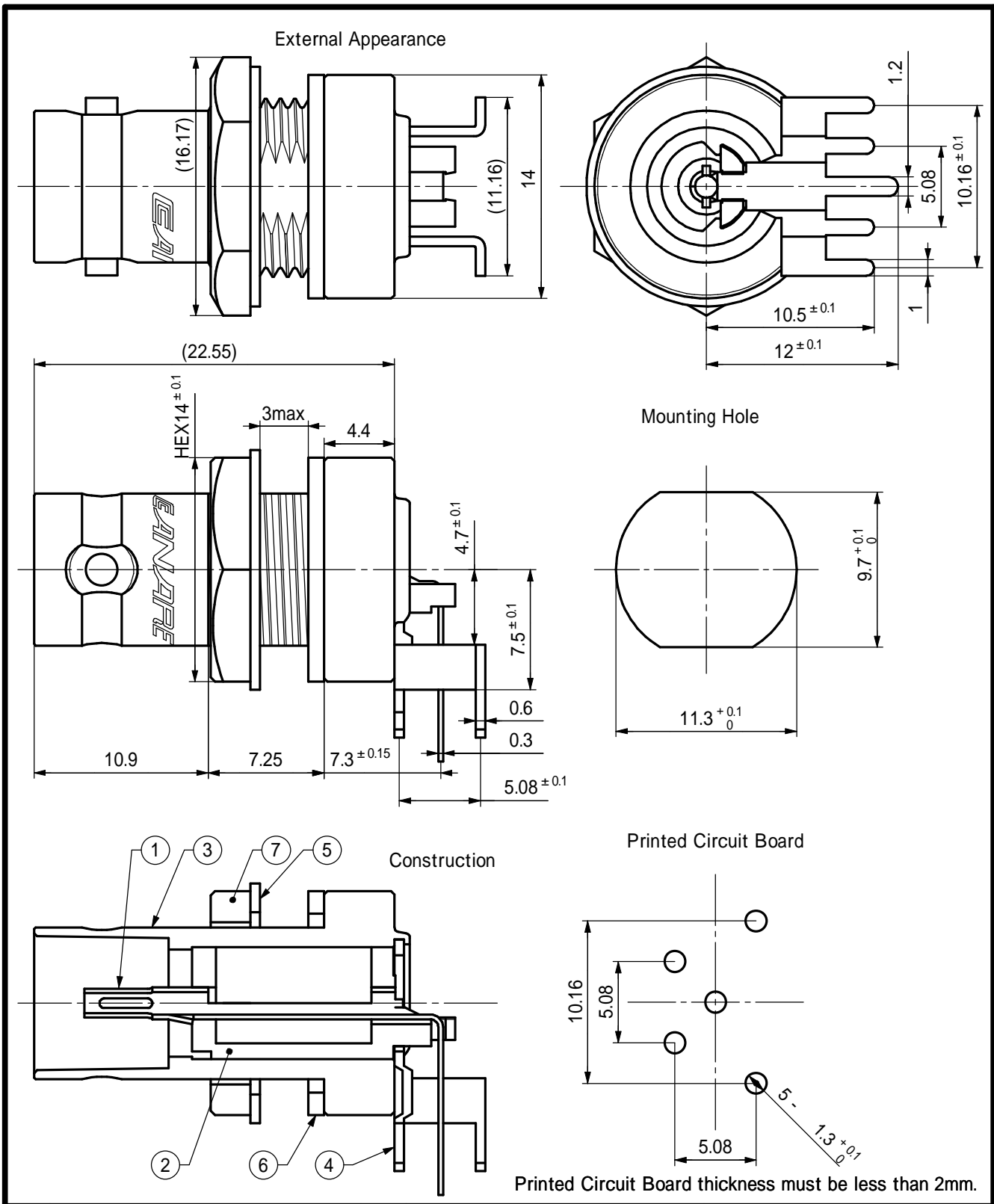
(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.

Fig.

Unit: mm





No.	Name of Parts	Pc(s).	Material	Finish
7	Mounting Nut	1	Brass(t2.5)	Nickel Plating
6	Washer	1	Brass(t1)	Nickel Plating
5	Locked Washer	1	Phospher Bronze(t0.6)	Nickel Plating
4	Ground Lug	1	Brass(t0.6)	Sn-Cu Plating
3	Body	1	Brass	Nickel Plating
2	Insulator	1	m-PPO(White)	-
1	Female Center Contact	1	Beryllium Copper(t0.3)	Gold Plating

Title	75 BNC PCB MOUNT RECEPTACLE	PJTN	Unit	Sc.	Tol.	Date	Ver. 2.1	Model	No.
			mm	2	2:1	±0.05	2005-10-07	BCJ-FPLHA	BL022D

PRODUCT SPECIFICATIONS

(BCJ-FPC)

SAB024F

Ver. 2.1

CANARE ELECTRIC CO., LTD

BNC receptacle.

1. Scope This product specification covers the performance of CANARE 75

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
 (2) **Model name** BCJ-FPC
 (3) **Applicable standard** JIS* C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (BL024B).
 (6) **Weight** Approx 10g (including mounting nut, locked washer and washer)
 (7) **Designation** Stamp model name (BCJ-FPC) and brand name (CANARE) on the body.
 (8) **Packaging** 100pcs/package (220 x155 x 37mm), 20pcs/package (150 x 50 x 31mm)
 *Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +100
 (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in Table 1

Table 1

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less	Terminating with 75 and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in Table 2

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in **Table 3****Table 3**

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2℃ for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in **Table 4****Table 4**

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245±3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260±3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380±10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15℃ to 35℃), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1℃), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Note

6.1 Tightening nut force: 2.94N·m, when assembling to panel.

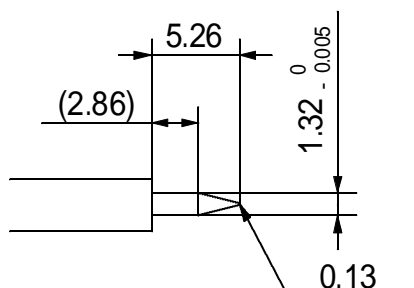
6.2 For soldering

(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

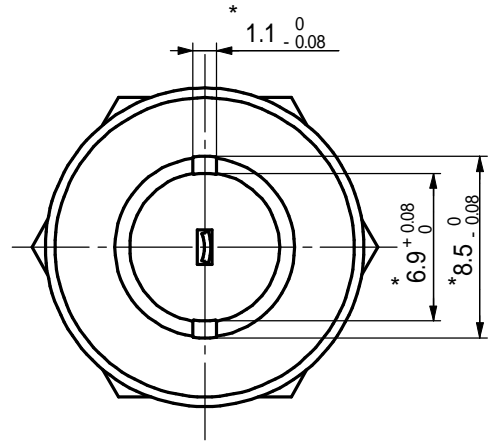
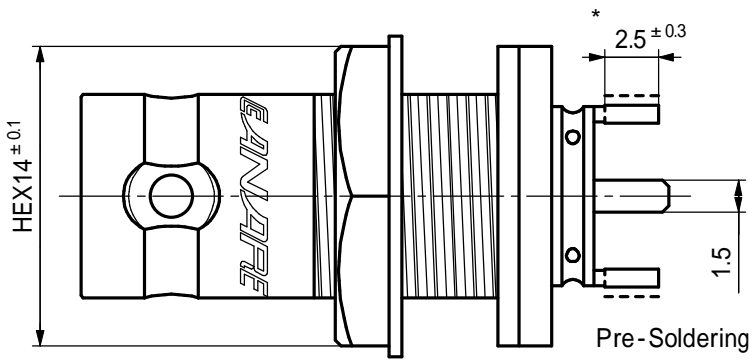
(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.

Fig.

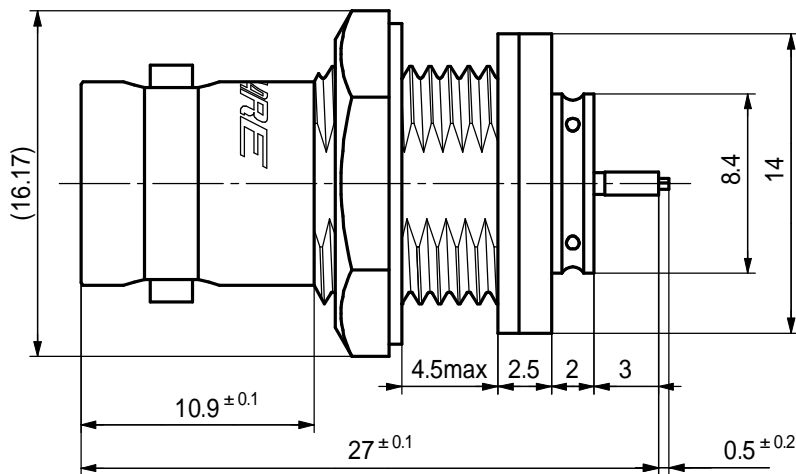
Unit: mm



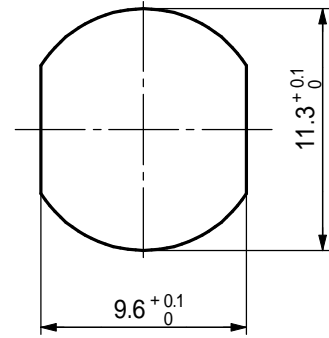
External Appearance



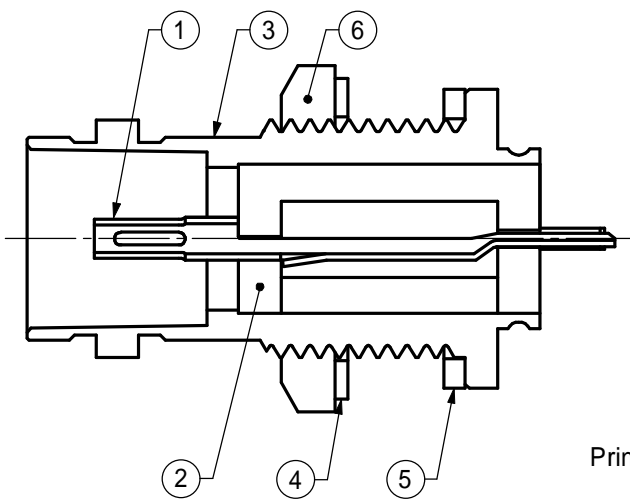
* Measure after pre-soldering



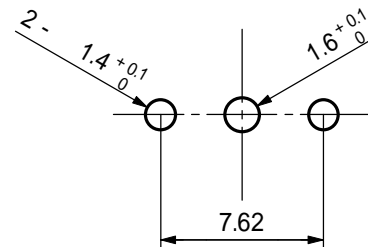
Mounting Hole



Construction



Printed Circuit Board Layouts



Printed Circuit Board thickness must be less than 2mm.

6	Mounting Nut	1	Brass(t2.5)	Nickel Plating					
5	Washer	1	Brass(t1)	Nickel Plating					
4	Locked Washer	1	Phosphor Bronze(t0.6)	Nickel Plating					
3	Body	1	Brass	Nickel Plating					
2	Insulator	1	m-PPO(White)	-					
1	Female Center Contact	1	Beryllium Copper	Gold Plating					
No.	Name of Parts	Pc(s).	Material	Finish					
Title	75 BNC PCB	PJTN	Unit	Sc.	Tol.	Date	Ver. 2.1	Model	No.
	MOUNT RECEPTACLE		mm	2 2:1	± 0.1	2005-10-07		BCJ-FPC	BL024B

PRODUCT SPECIFICATIONS

(BCJ-FPC02)

SAB056A

Ver. 2.1

CANARE ELECTRIC CO., LTD

1. **Scope** This product specification covers the performance of CANARE 75 BNC receptacle.

2. General Specifications

- (1) **Product name** 75 BNC PCB mount receptacle
 (2) **Model name** BCJ-FPC02
 (3) **Applicable standard** JIS* C 5412
 (4) **Nominal impedance** 75 unbalanced
 (5) **Construction** As shown in the drawing (BL056A).
 (6) **Weight** Approx 10.8g (including mounting nut, locked washer and washer)
 (7) **Designation** Stamp brand name (CANARE) on the body.
 (8) **Packaging** 100pcs/package (220 x155 x 37mm), 20pcs/package (150 x 50 x 31mm)
 *Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 ~ +100
 (2) **Operating humidity** ~ 90%

4. Characteristics**4.1 Electrical characteristics** As shown in **Table 1****Table 1**

Items	Specified values	Test methods
Insulation resistance	1000M or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between center contacts: 6m or less Between external contacts: 3m or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less	Terminating with 75 and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in **Table 2****Table 2**

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in **Table 3****Table 3**

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2℃ for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in **Table 4****Table 4**

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: 245±3 Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: 260±3 Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: 380±10 Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15℃ to 35℃), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1℃), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

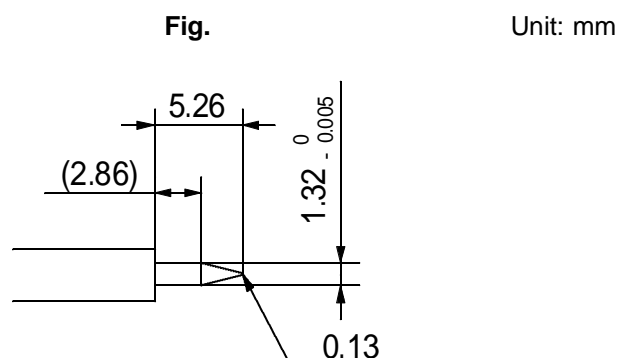
6. Note

6.1 Tightening nut force: 2.94N·m, when assembling to panel.

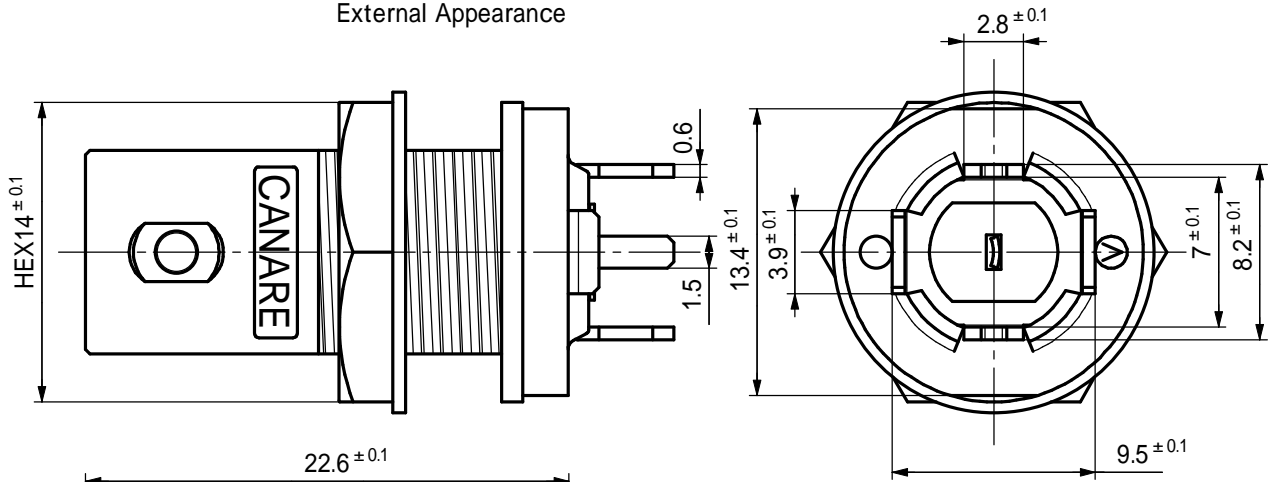
6.2 For soldering

(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

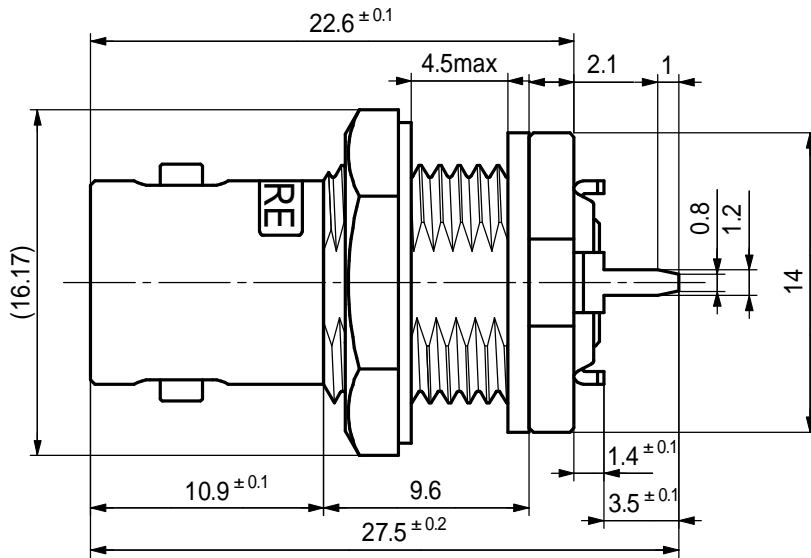
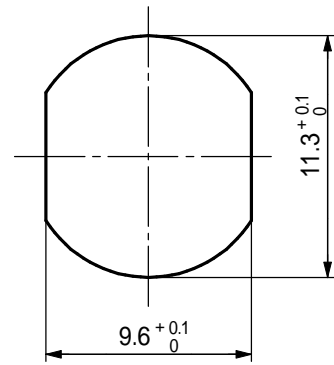
(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.



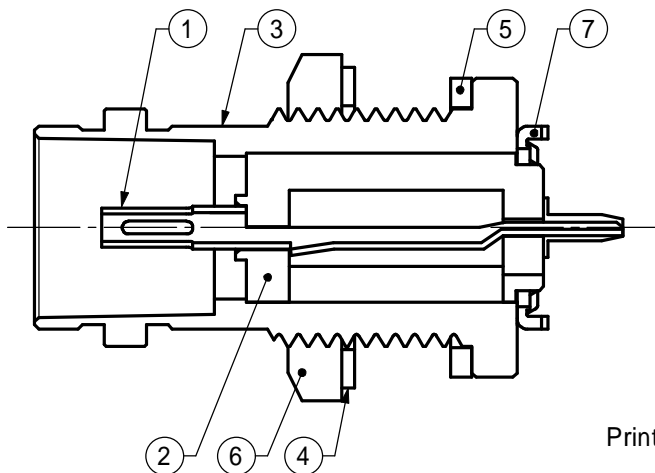
External Appearance



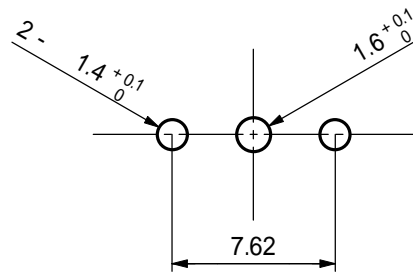
Mounting Hole



Construction



Printed Circuit Board



Printed Circuit Board thickness must be less than 2mm.

7	Ground Lug	1	Brass(t0.6)	Sn-Cu Plating					
6	Mounting Nut	1	Brass(t2.5)	Nickel Plating					
5	Washer	1	Brass(t1)	Nickel Plating					
4	Locked Washer	1	Phospher Bronze(t0.6)	Nickel Plating					
3	Body	1	Zinc Alloy Die Casting	Nickel Plating					
2	Insulator	1	m-PPO(White)	-					
1	Female Center Contact	1	Beryllium Copper(t0.3)	Gold Plating					
No.	Name of Parts	Pc(s).	Material	Finish					
Title	75 BNC PCB MOUNT RECEPTACLE	PJTN 	Unit mm	Sc. 2 2:1	Tol. ±0.05	Date 2005-10-07	Ver. 2.1	Model BCJ-FPC02	No. BL056A

PRODUCT SPECIFICATIONS

(BCJ-RPC)

SAB012B
Ver. 1.2

CANARE ELECTRIC CO., LTD

1. **Scope** This product specification covers the performance of CANARE 75 Ω BNC receptacle.

2. General Specifications

- (1) **Product name** 75 Ω BNC PCB mount receptacle
- (2) **Model name** BCJ-RPC
- (3) **Applicable standard** JIS* C 5412
- (4) **Nominal impedance** 75 Ω unbalanced
- (5) **Construction** As shown in the drawing (BL012).
- (6) **Weight** Approx 7.19g(including mouting nut and locked washer)
- (7) **Designation** Stamp brand name(CANARE) and model name(BCJ-FPLVA) on the body.
- (8) **Packaging** 20pcs/package(150mmx50mmx44mm), 100pcs/package(220mmx158mmx50mm)
*Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 °C ~ +100 °C
- (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in Table 1

Table 1

Items	Specified values	Test methods
Insulation resistance	1000MΩ or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between external contacts: 3mΩ or less Between center contacts: 6mΩ or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less (0 ~ 1GHz)	Terminating with 75 Ω and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in Table 2

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 245N and rotation strength of 2.45N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10m Ω or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in Table 3

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50m Ω or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 °C for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in Table 4

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: $245\pm 3^{\circ}\text{C}$ Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: $260\pm 3^{\circ}\text{C}$ Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: $380\pm 10^{\circ}\text{C}$ Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15°C to 35°C), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature ($20\pm 1^{\circ}\text{C}$), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Note

6.1 Tightening nut force: Less than $2.94\text{N}\cdot\text{m}$, when assembling to panel.

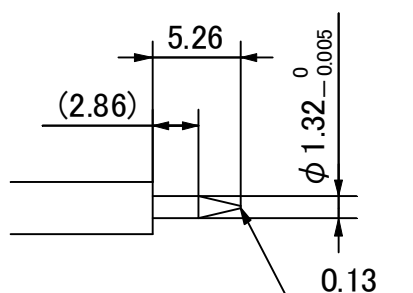
6.2 For soldering

(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

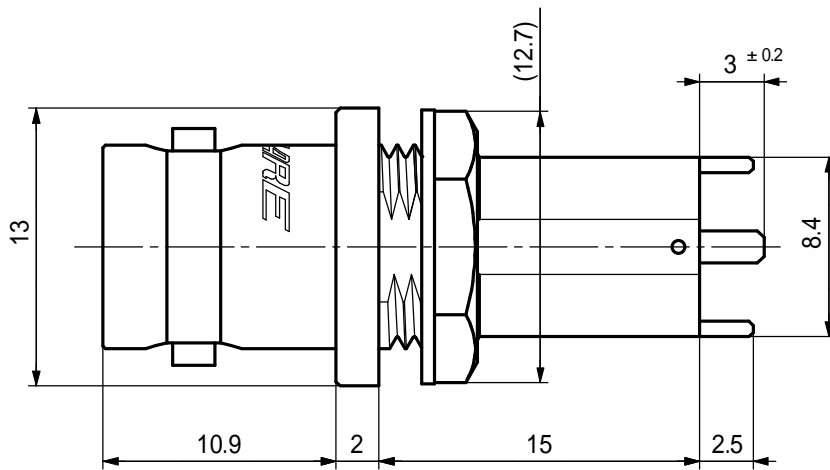
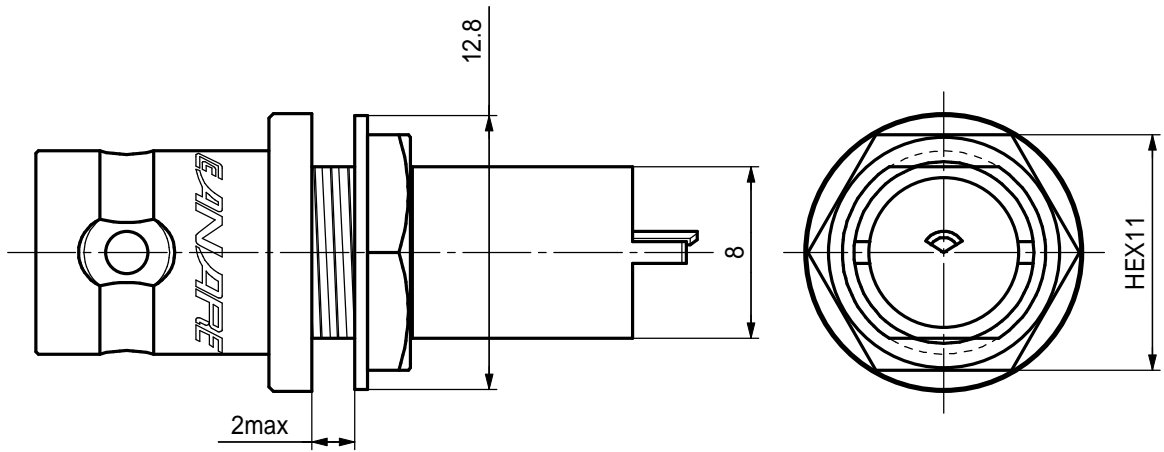
(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.

Fig.

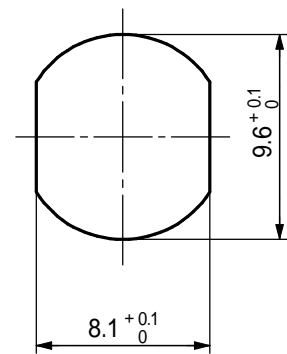
Unit: mm



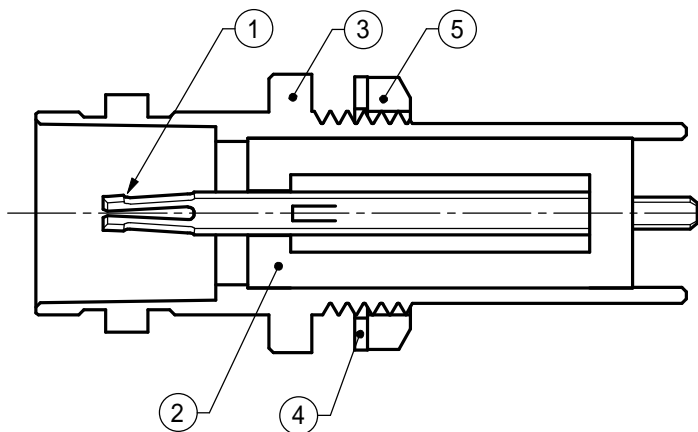
External Appearance



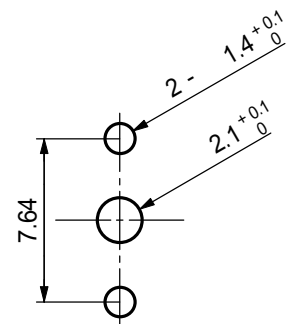
Mounting Hole



Construction



Printed Circuit Board Layouts



Printed Circuit Board thickness must be less than 1.6mm.

5	Mounting Nut	1	Brass(t2)	Nickel Plating					
4	Locked Washer	1	Steel(t0.6)	Chromating					
3	Body	1	Brass	Nickel Plating					
2	Insulator	1	m-PPO	-					
1	Female Center Contact	1	Beryllium Copper	Gold Plating					
No.	Name of Parts	Pc(s).	Material	Finish					
Title	75 BNC PCB	PJTN	Unit	Sc.	Tol.	Date	Ver. 1.2	Model	No.
	MOUNT RECEPTACLE		mm	2 2:1	± 0.1	2005-08-26		BCJ-RPC	BL012

PRODUCT SPECIFICATIONS

(BCJ-RPC/1)

SAB013B
Ver. 1.2

CANARE ELECTRIC CO., LTD

1. **Scope** This product specification covers the performance of CANARE 75 Ω BNC receptacle.

2. General Specifications

- (1) **Product name** 75 Ω BNC PCB mount receptacle
- (2) **Model name** BCJ-RPC/1
- (3) **Applicable standard** JIS* C 5412
- (4) **Nominal impedance** 75 Ω unbalanced
- (5) **Construction** As shown in the drawing (BL013).
- (6) **Weight** Approx 7.19g(including mouting nut and locked washer)
- (7) **Packaging** 20pcs/package(150mmx50mmx44mm),100pcs/package(220mmx158mmx50mm)
*Japanese Industrial Standard

3. Rating

- (1) **Operating temperature** -40 °C ~ +100 °C
- (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in Table 1

Table 1

Items	Specified values	Test methods
Insulation resistance	1000MΩ or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between external contacts: 3mΩ or less Between center contacts: 6mΩ or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Voltage standing wave ratio(V.S.W.R)	1.1 or less (0 ~ 1GHz)	Terminating with 75 Ω and measured. The measuring frequency up to 1GHz.

4.2 Mechanical characteristics As shown in Table 2

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Female contact retention force	1.5 ~ 3.9N	Following JIS C 5412 pin gauge (Fig.) shall be inserted the female contact and measurement shall be made.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Body shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 245N and rotation strength of 2.45N·m shall be applied.
Attachment strength	There shall be no break or damage on each part of connector.	The receptacle shall be attached on the chassis and tensile strength of 200N shall be applied to the axial direction.
Mechanical operation (repeated)	Contact resistance: 10mΩ or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000 cycles.

4.3 Environmental characteristics As shown in Table 3

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 50mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 °C for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

4.4 Other characteristics As shown in Table 4

Items	Specified values	Test methods
Solderability	A new uniform coating of solder shall cover a minimum of 90% of the surface being immersed.	Solder temperature: $245\pm 3^{\circ}\text{C}$ Solder wetting time : 2s to 3s
Resistance to soldering heat	There shall be no damage on appearance.	<u>Soldering by dipping</u> Solder temperature: $260\pm 3^{\circ}\text{C}$ Immersion time: 5s to 6s Number of cycles: 2 cycles Thickness of printed circuit board: 1.6mm <u>Soldering iron method</u> Bit temperature: $380\pm 10^{\circ}\text{C}$ Application time of soldering iron: 3s to 4s

5. Measurement conditions

Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15°C to 35°C), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature ($20\pm 1^{\circ}\text{C}$), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).

6. Note

6.1 Tightening nut force: Less than $2.94\text{N}\cdot\text{m}$, when assembling to panel.

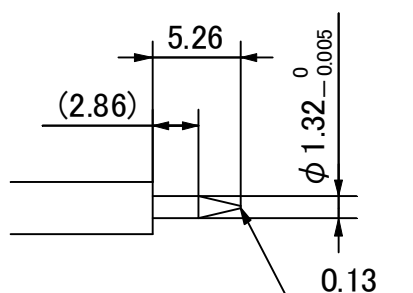
6.2 For soldering

(1) Soldering by dipping: Be aware that this type of process needs to be done quickly. If connector body is touching the solder wave for longer periods, there is a possibility that the connector's insulator could melt. To help heat dissipation you can use aluminum tape over the connector body.

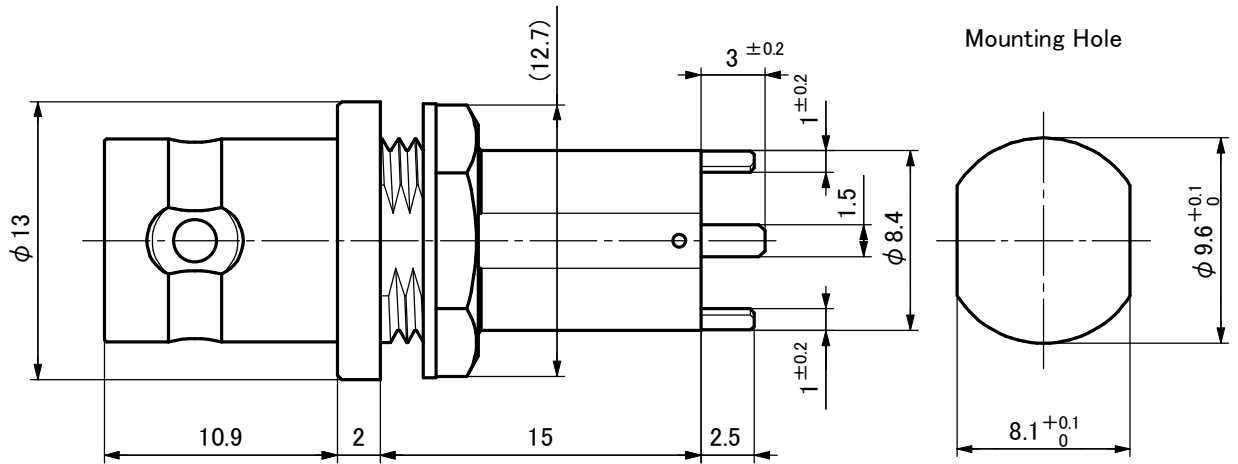
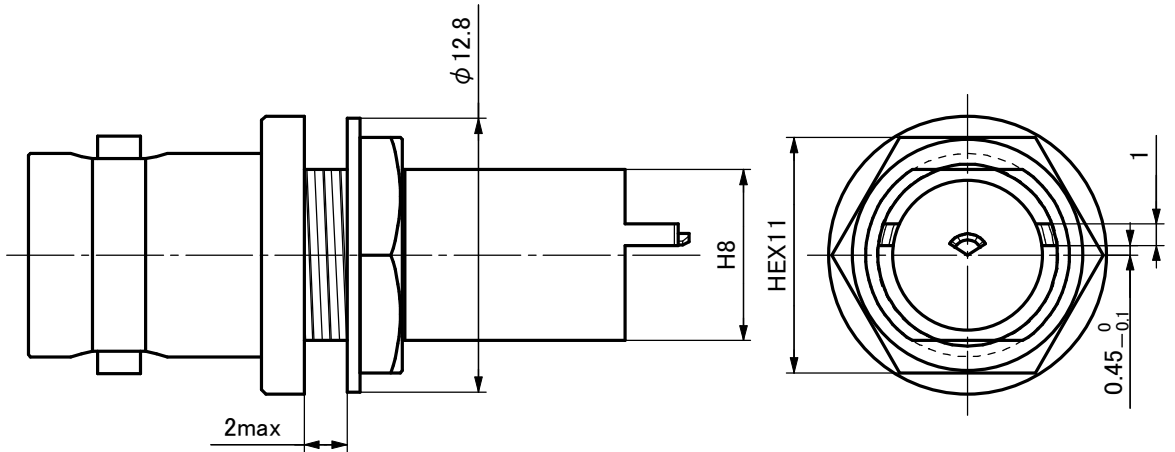
(2) Washing : Do not wash connector after soldering. This product contains modified PPO. Please check with detergent manufacture if washing is mandatory.

Fig.

Unit: mm

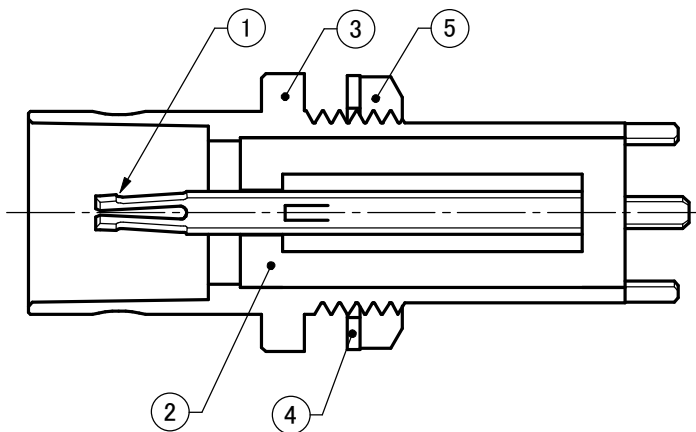


External Appearance



Mounting Hole

Construction



5	Mounting Nut	1	Brass(t2)	Nickel Plating
4	Locked Washer	1	Steel(t0.6)	Chromating
3	Body	1	Brass	Nickel Plating
2	Insulator	1	m-PPO	—
1	Female Center Contact	1	Beryllium Copper	Gold Plating
No.	Name of Parts	Pc(s).	Material	Finish
Title	75Ω BNC PCB MOUNT RECEPTACLE	PJTN	Unit Sc. Tol. Date Ver. 1.3	Model No.
			mm 2√2:1 ±0.1 2014-12-22	BCJ-RPC/1 BL013