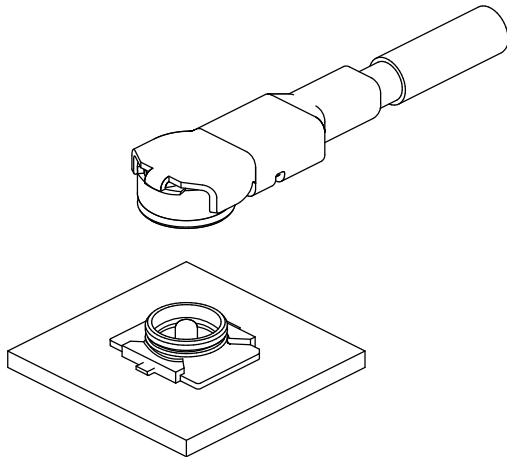




# AYU2T CONNECTOR

Micro coaxial connector



The AYU2T is a compact coaxial connector commonly used in antenna modules for high-frequency bands of up to 20 GHz.

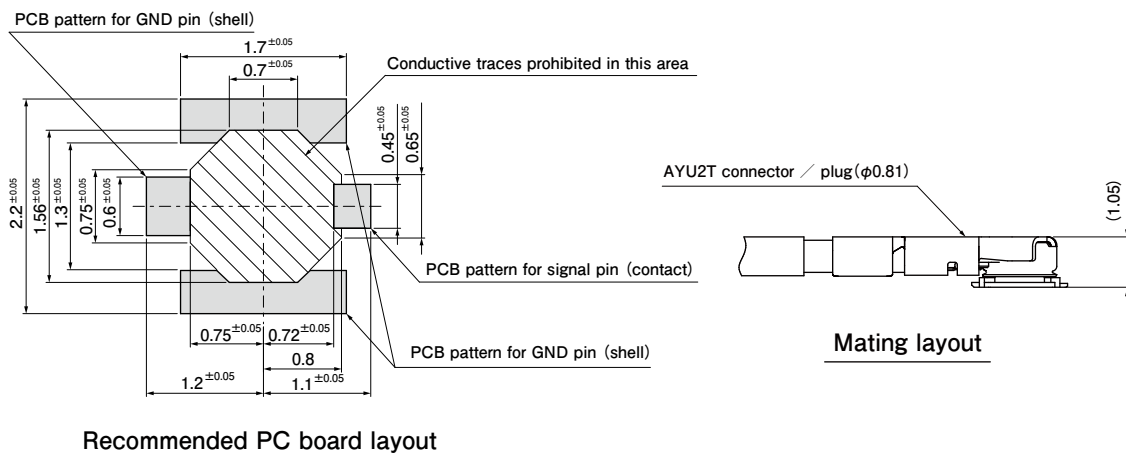
- Space-saving and low profile design
- Frequency range: DC to 20 GHz
- Embossed tapping for automatic pick-and-place machine

## Specifications

- Current rating : 0.3 A AC/DC
- Voltage rating : 30 Vrms
- Temperature range : -25°C to +85°C  
(including temperature rise in applying electrical current)
- Contact resistance :
 

Contact	Initial value / 30 mΩ max
	After environmental tests / 30 mΩ max
Shell	Initial value / 30 mΩ max
	After environmental tests / 30 mΩ max
- Insulation resistance : 500 MΩ min.
- Withstanding voltage :  
There shall be no breakdown or flashover while applying 100 VAC for one minute.
- Characteristic impedance : 50 Ω
- Applicable coaxial cable :  $\phi$  0.81
- \* RoHS2 and halogen-free compliant products are listed.
- \* Dimensional unit: mm
- \* Please contact JST about mating of this product with similar products from other manufacturers.
- \* Contact JST for details.

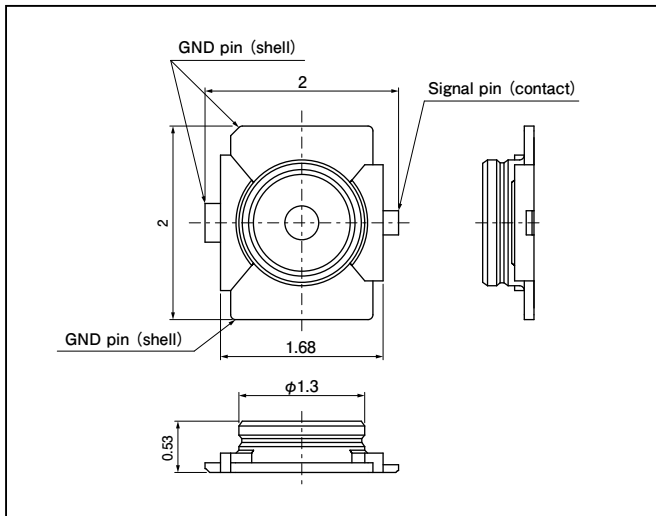
## PC board layout and Mating layout



Note: The dimensions shown above are JST recommended values

# AYU2T CONNECTOR

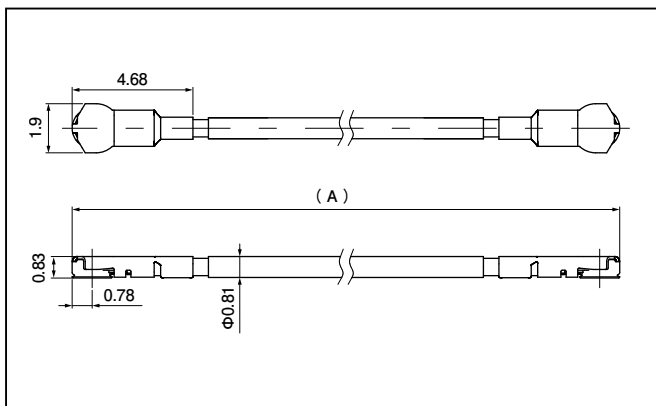
## Receptacle



Model No.	Material and Surface finish, etc.
AYU2T-1B-GA-GA-ETY (HF)	Contact: Copper alloy, selective gold-plated Shell: Copper alloy, selective gold-plated Housing: LCP, black

This product is supplied on embossed tape and reel packaging.

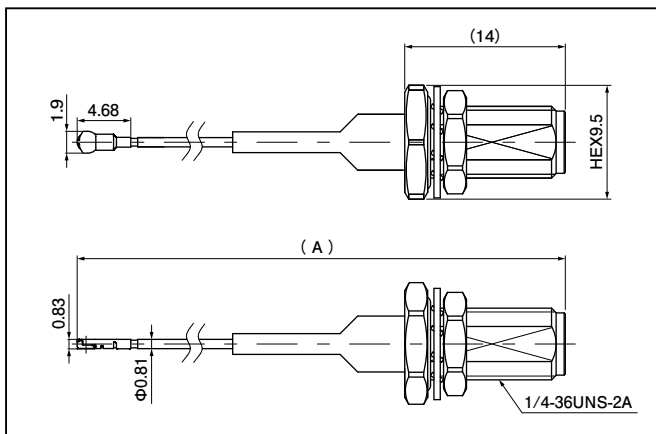
## Plug Harness



Model No.	Material and Surface finish, etc.
AYU2T-1HBR-D***N (HF)	Contact : Copper alloy, selective gold-plated Shell : Copper alloy, selective gold-plated Housing : PPE, black Coaxial cable : $\phi$ 0.81, red

Wire length (mm)	Model No.	Dimension A (mm)	Frequency range
100	AYU2T-1HBR-D100N (HF)	104.3	DC to 20GHz
150	AYU2T-1HBR-D150N (HF)	154.3	
200	AYU2T-1HBR-D200N (HF)	204.3	
250	AYU2T-1HBR-D250N (HF)	254.3	

## Plug harness with SMA



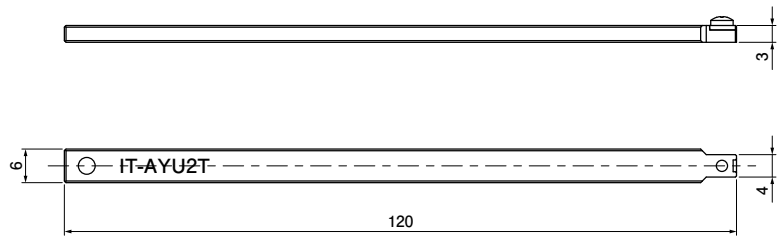
Model No.	Material and Surface finish, etc.
AYU2T-1HBR-S***S (HF)	Contact : Copper alloy, selective gold-plated Shell : Copper alloy, selective gold-plated Housing : PPE, black SMA connector (Jack) Heat shrink tube : Black Coaxial cable : $\phi$ 0.81, red

Wire length (mm)	Model No.	Dimension A (mm)	Frequency range
100	AYU2T-1HBR-S100S (HF)	112.15	DC to 18GHz
150	AYU2T-1HBR-S150S (HF)	162.15	
200	AYU2T-1HBR-S200S (HF)	212.15	
250	AYU2T-1HBR-S250S (HF)	262.15	

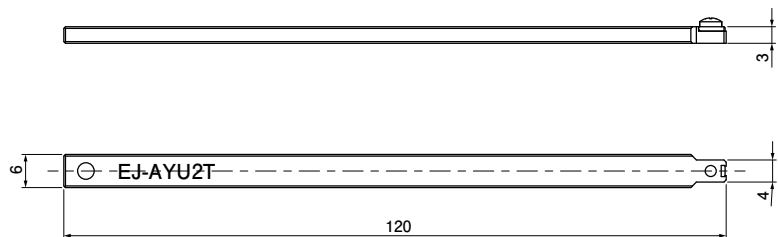
# AYU2T CONNECTOR

## Jig

• Insertion jig



• Extraction jig



JIG	Model No.
Insertion jig	IT-AYU2T
Extraction jig	EJ-AYU2T

## Model number allocation

### Receptacle

AYU2T - 1 B - GA - GA - ETY (HF)

Series name

No. of circuits

Part name: Receptacle

Contact surface finish: Selective gold-plated

Shell surface finish: Selective gold-plated

Packaging style: Antistatic embossed tape and reel packaging

Indication of halogen-free: Halogen-free (HF)

### Harness

AYU2T - 1 H B R - D 100 N (HF)

Series name

No. of circuits

Part name: Harness

Applicable wire size:  $\phi 0.81$

Wire color: Red

No. of crimped positions: Double-ended crimped harness

Wire length: 100 mm

Special processing: No special processing (double-ended crimped harness)

Indication of halogen-free: Halogen-free (HF)