

### Features

#### ●Crimping method and shape

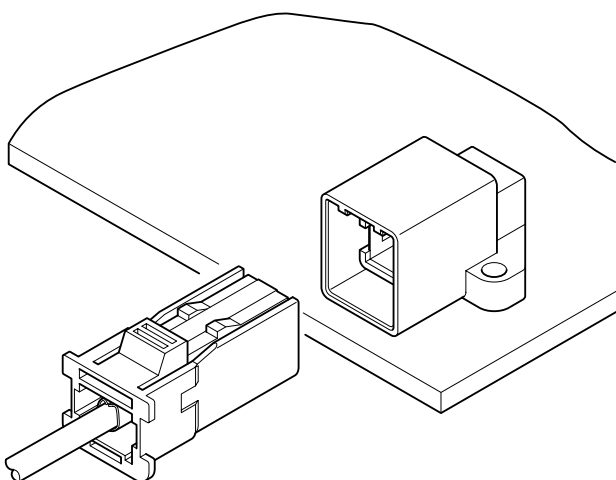
Shielding meshed wires are crimped with the N-type crimp shape, which prevents the deflection and coming off of the meshed wires.

#### ●Superb high-frequency characteristics

This connector can keep low VSWR characteristics, while serving high-frequency characteristics.



Connector for the GPS antenna system of the car navigation system. The CN connector applies the unique crimping method to the shielding meshed wires, which will result in superior high-frequency characteristics.



### Specifications

- Current rating: 1.0A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -30°C to +105°C  
(including temperature rise in applying electrical current)
- Contact resistance: Initial value/30mΩ max.  
After environmental testing/60mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: Inner conductor cross sectional area/  
0.05mm<sup>2</sup> to 0.2mm<sup>2</sup>  
Outer conductor O.D./φ0.85mm to 2.2mm  
Sheath O.D./φ1.45mm to 3.3mm
- Frequency range: DC to 1.5GHz
- Characteristic impedance: 50Ω

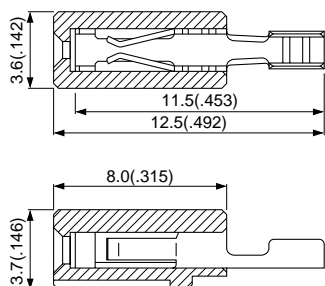
\* Contact JST if Lead-Free product is required.

\* Contact JST for details.

**Female terminal**

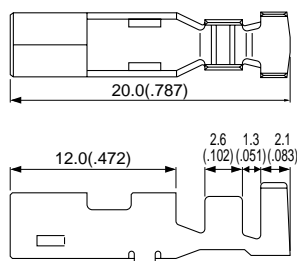
● **Conductor**

Socket terminal



● **Shielding part**

Plug terminal

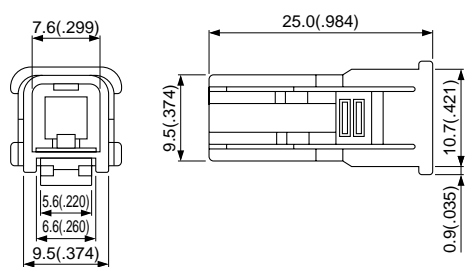


Kind of terminal	Model No.	Q'ty/reel
Conductor	<b>CN-SAS1290</b>	3,000
Shielding part	<b>SCM-61T-4.6</b>	1,500

Material and Finish

Conductor: Phosphor bronze, tin-plated (reflow treatment)  
 Socket housing: Glass-filled LCP, natural (white)  
 Shielding part: Brass, tin-plated (reflow treatment)

**Female connector**

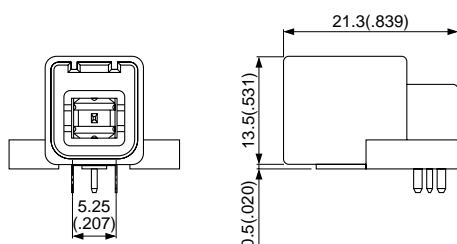


Model No.	Q'ty/box
<b>CNP-01V</b>	1,000

Material

Glass-filled PBT, black

**Header**

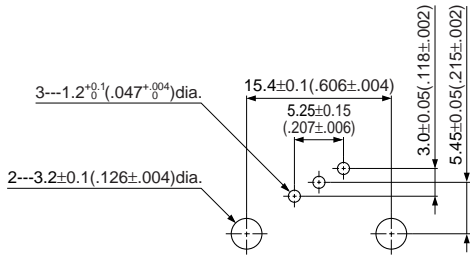


Model No.	Q'ty/box
<b>CNB-01AH</b>	120

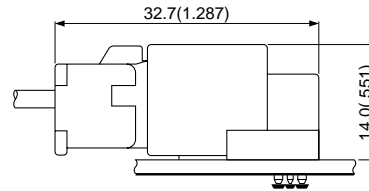
Material and Finish

Terminal: Brass, copper-undercoated, tin-plated (reflow treatment)  
 Housing: Glass-filled PBT, gray  
 Shielding terminal: Brass, copper-undercoated, tin-plated (reflow treatment)

### PC board layout and Assembly layout



viewed from component side



Note: 1. Tolerances are non-cumulative:  $\pm 0.05\text{mm}$  ( $\pm 0.002''$ ) for all centers.  
 2. Hole dimensions differ according to the kind of PC board and piercing method.  
 The dimensions above should serve as a guideline. Contact JST for details.

### Crimping machine, Applicator

#### • Conductor

Terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
<b>CN-SAS1290</b>	AP-K2N	MK/CN-SAP/S1	APLMK CN-SAP/S1

### Crimp tool (Pneumatic press)

#### • Shielding part

Terminal	Crimp tool	Control unit
<b>BCM-61T-4.6</b> (Loose piece)	MP-CN-BCM61	—
<b>SCM-61T-4.6</b> (Chain)	MP-CN-SCM61	MP-CU-CN(S)

HIT  
AIT  
HCM  
MIO  
CPT  
BMD  
CIT  
HIC  
SOS  
SQM  
SQH  
SQSII  
SQW  
SQF  
SHUNTING  
FEL  
FMT  
FOX  
**CN**  
EA1  
WPZ  
JUNCTION BOX  
INDEX