

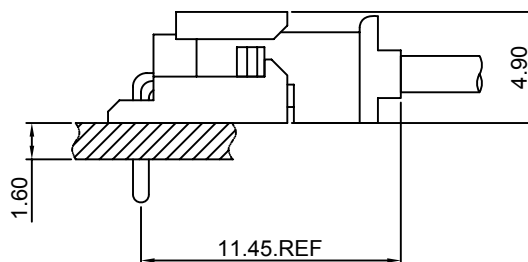
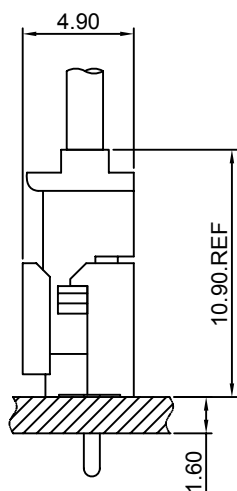
## **Specifications**

Current rating:3A AC,DC  
Voltage rating:250V AC,DC  
Temperature range:-40°C~+105°C  
Contact resistance:20mΩMax.  
Insulation resistance:1000MΩMin.  
Withstanding voltage:1000V AC/minute  
\*Compliant with RoHS and REACH\*  
\*Meet the HF/Halogen Free,need to customize\*  
\*Contact CJT for details\*

## **Standards**



## **Assembly layout**



# CJTconn A2505 SERIES

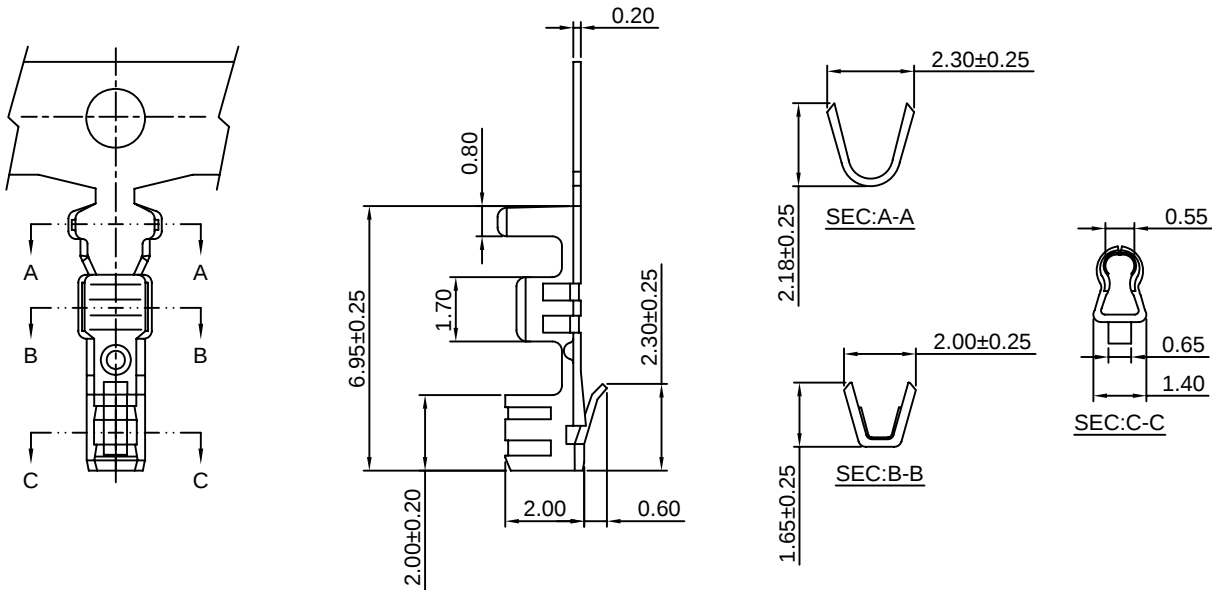
2.50mm pitch wire to board connector

## A2505-T

2.50mm pitch Crimp Terminal

Reference Informations:

\*Used in CJT A2505H-XP series Housing



Ordering information & Specifications:

Unit:mm

| Part NO. | Wire Range | Insulation O.D. | Material        | Finish           | Qty/reel   |
|----------|------------|-----------------|-----------------|------------------|------------|
| A2505-TP | AWG#22-#28 | 1.90mm(max)     | Phosphor Bronze | Tin over Nickel  | 10,000 PCS |
| A2505-GP | AWG#22-#28 | 1.90mm(max)     | Phosphor Bronze | Gold over Nickel | 10,000 PCS |

Optional Gold plating available but MOQ requested

## A2505H-XP

2.50mm pitch Housing

Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable CJT A2505-T series Terminal
- \*Mates with CJT A2505WV,WR,WVT-XP series Wafer
- \*Color:Beige

Ordering Information:

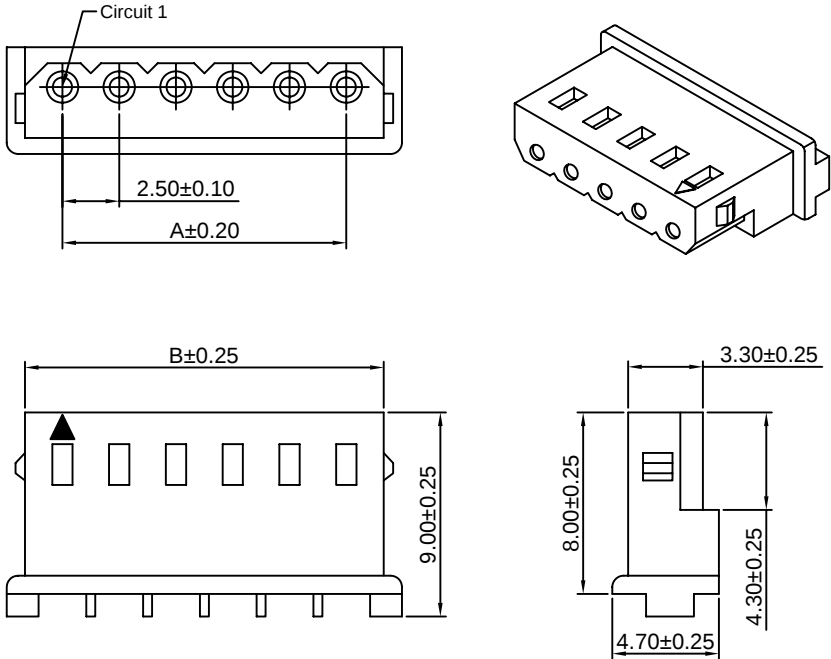
A2505H-XP - \*\*\*  
1 2

1. Part No.

2. Material:

(Blank):Nylon 66,UL94V-0

GWT :Nylon 66,UL94V-0 GWT 750℃



Ordering Information & Dimensions:

| PART NO. | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 2P       | 2.50       | 5.80  |
| 3P       | 5.00       | 8.30  |
| 4P       | 7.50       | 10.80 |
| 5P       | 10.00      | 13.30 |
| 6P       | 12.50      | 15.80 |
| 7P       | 15.00      | 18.30 |
| 8P       | 17.50      | 20.80 |
| 9P       | 20.00      | 23.30 |
| 10P      | 22.50      | 25.80 |
| 11P      | 25.00      | 28.30 |
| 12P      | 27.50      | 30.80 |
| 13P      | 30.00      | 33.30 |
| 14P      | 32.50      | 35.80 |
| 15P      | 35.00      | 38.30 |
| 16P      | 37.50      | 40.80 |
| 17P      | 40.00      | 43.30 |
| 18P      | 42.50      | 45.80 |
| 19P      | 45.00      | 48.30 |
| 20P      | 47.50      | 50.80 |

Unit: mm



## A2505 SERIES

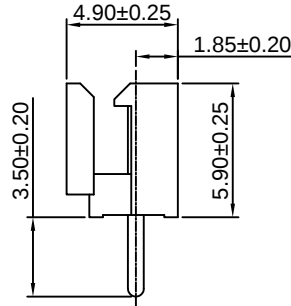
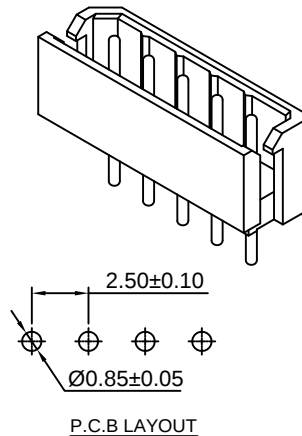
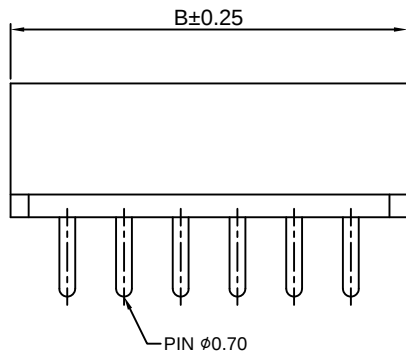
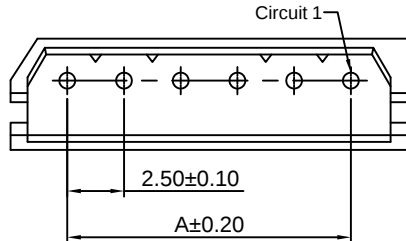
2.50mm pitch wire to board connector

### A2505WV-XP

2.50mm pitch 180° Wafer

#### Reference Informations:

- \*Material: Pin: Brass/Tin over Nickel  
Insulator: Nylon 66, UL94V-0
- \*Mates with CJT A2505H-XP series Housing
- \*Color: Beige



#### Ordering Information:

A2505WV-XP - \*\*\* - \*\*  
1 2 3

- Part No.
- Material:  
(Blank): Nylon 66, UL94V-0  
46: Nylon 46, UL94V-0  
LCP: Nylon LCP, UL94V-0  
GWT: Nylon 66, UL94V-0, GWT 750°C
- Finish:  
(blank): Tin over Nickel  
G: Gold over Nickel

#### Ordering Information & Dimensions:

| PART NO. | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 2P       | 2.50       | 7.50  |
| 3P       | 5.00       | 10.00 |
| 4P       | 7.50       | 12.50 |
| 5P       | 10.00      | 15.00 |
| 6P       | 12.50      | 17.50 |
| 7P       | 15.00      | 20.00 |
| 8P       | 17.50      | 22.50 |
| 9P       | 20.00      | 25.00 |
| 10P      | 22.50      | 27.50 |
| 11P      | 25.00      | 30.00 |
| 12P      | 27.50      | 32.50 |
| 13P      | 30.00      | 35.00 |
| 14P      | 32.50      | 37.50 |
| 15P      | 35.00      | 40.00 |
| 16P      | 37.50      | 42.50 |
| 17P      | 40.00      | 45.00 |
| 18P      | 42.50      | 47.50 |
| 19P      | 45.00      | 50.00 |
| 20P      | 47.50      | 52.50 |

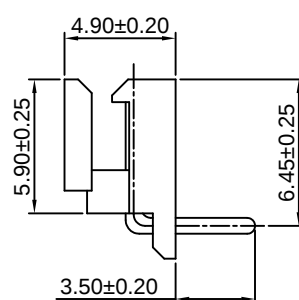
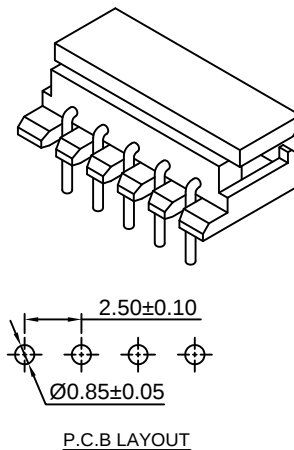
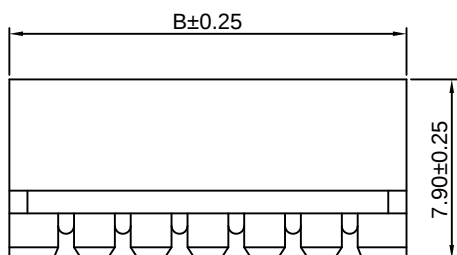
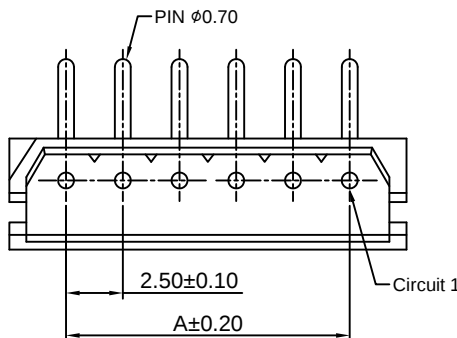
Unit: mm

### A2505WR-XP

2.50mm pitch 90° Wafer

#### Reference Informations:

- \*Material: Pin: Brass/Tin over Nickel  
Insulator: Nylon 66, UL94V-0
- \*Mates with CJT A2505H-XP series Housing
- \*Color: Beige



#### Ordering Information:

A2505WR-XP - \*\*\* - \*\*  
1 2 3

- Part No.
- Material:  
(Blank): Nylon 66, UL94V-0  
46: Nylon 46, UL94V-0  
LCP: Nylon LCP, UL94V-0  
GWT: Nylon 66, UL94V-0, GWT 750°C
- Finish:  
(blank): Tin over Nickel  
G: Gold over Nickel

#### Ordering Information & Dimensions:

| PART NO. | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 2P       | 2.50       | 7.50  |
| 3P       | 5.00       | 10.00 |
| 4P       | 7.50       | 12.50 |
| 5P       | 10.00      | 15.00 |
| 6P       | 12.50      | 17.50 |
| 7P       | 15.00      | 20.00 |
| 8P       | 17.50      | 22.50 |
| 9P       | 20.00      | 25.00 |
| 10P      | 22.50      | 27.50 |
| 11P      | 25.00      | 30.00 |
| 12P      | 27.50      | 32.50 |
| 13P      | 30.00      | 35.00 |
| 14P      | 32.50      | 37.50 |
| 15P      | 35.00      | 40.00 |
| 16P      | 37.50      | 42.50 |
| 17P      | 40.00      | 45.00 |
| 18P      | 42.50      | 47.50 |
| 19P      | 45.00      | 50.00 |
| 20P      | 47.50      | 52.50 |

Unit: mm

# CJTconn A2505 SERIES

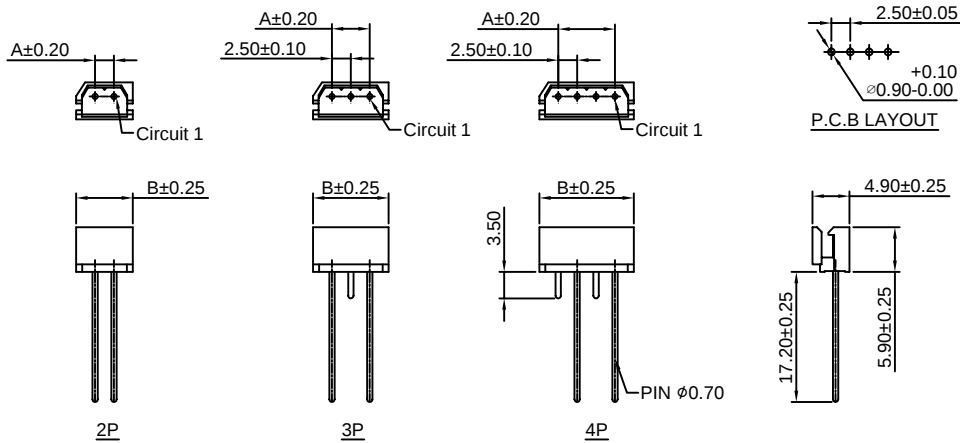
2.50mm pitch wire to board connector

## A2505WVT-XP

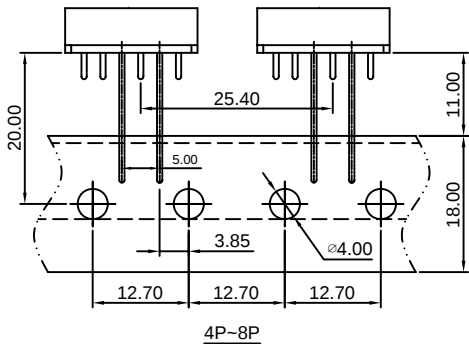
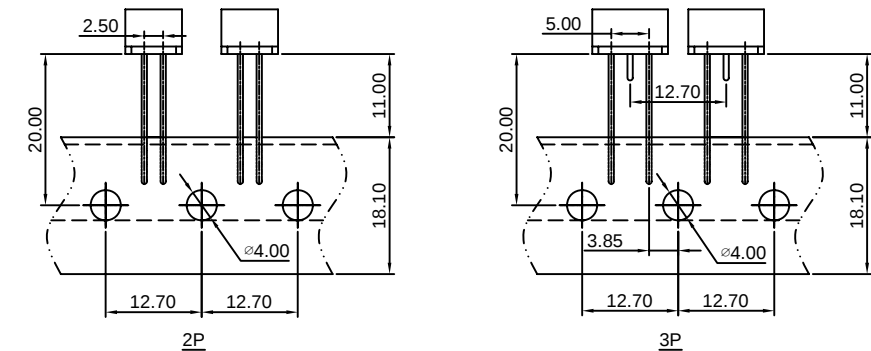
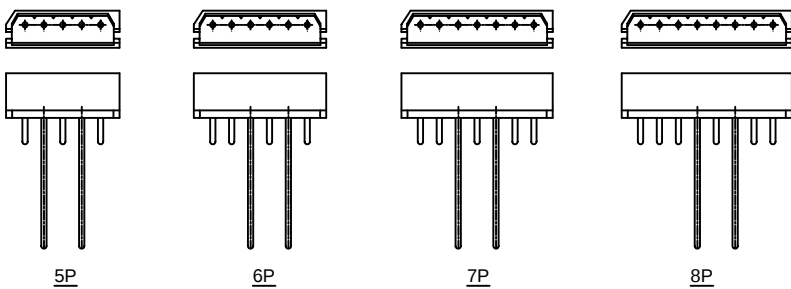
2.50mm pitch 180° Wafer

### Reference Informations:

- \*Material:Pin:Brass/Tin over Nickel  
Insulator:Nylon 66,UL94V-0
- \*Mates with CJT A2505H-XP series Housing
- \*Color:Beige



- Ordering Information:  
A2505WVT-XP - \*\*\* - \*\*
- | 1         | 2                         | 3 |
|-----------|---------------------------|---|
| Part No.  |                           |   |
| Material: |                           |   |
| (Blank):  | Nylon 66,UL94V-0          |   |
| GWT:      | Nylon 66,UL94V-0,GWT 750℃ |   |
| Finish:   |                           |   |
| (blank):  | Tin over Nickel           |   |
| G:        | Gold over Nickel          |   |



### Ordering Information & Dimensions:

| PART NO. | Dimensions |       |
|----------|------------|-------|
|          | A          | B     |
| 2P       | 2.50       | 7.50  |
| 3P       | 5.00       | 10.00 |
| 4P       | 7.50       | 12.50 |
| 5P       | 10.00      | 15.00 |
| 6P       | 12.50      | 17.50 |
| 7P       | 15.00      | 20.00 |
| 8P       | 17.50      | 22.50 |

Unit: mm