

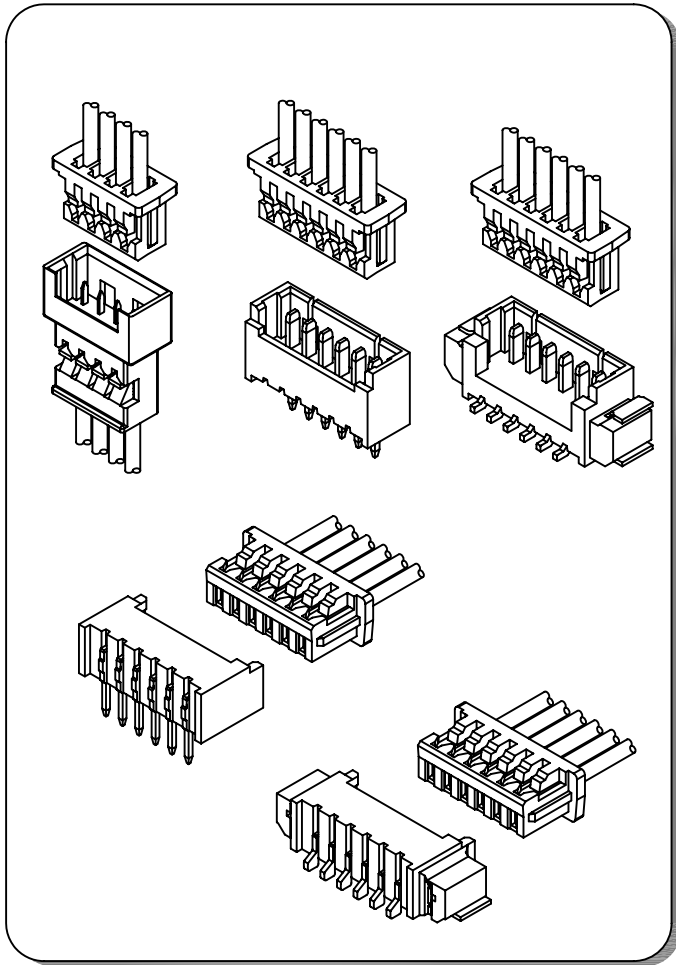


# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

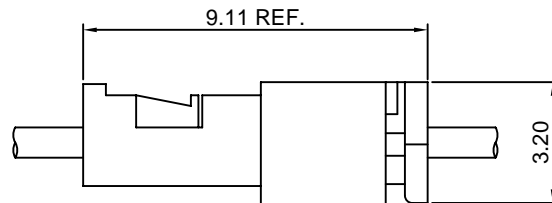
## Specifications

- Current rating:1A AC,DC
- Voltage rating:125V AC,DC
- Temperature range:-40°C~+105°C
- Contact resistance:20mΩMax.
- Insulation resistance:100MΩMin.
- Withstanding voltage:500V AC/minute
- \*Compliant with RoHS and REACH\*
- \*Meet the HF/Halogen Free,need to customize\*
- \*Contact CJT for details\*

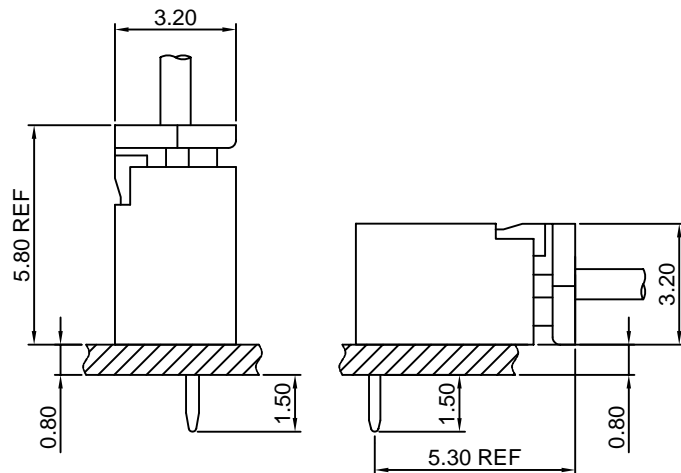
## Standards



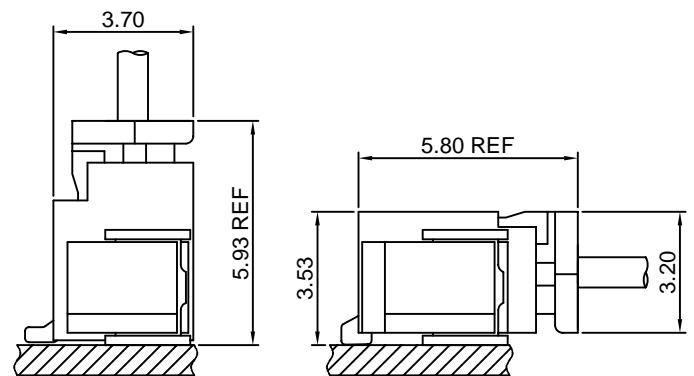
## Assembly layout



WIRE TO WIRE



DIP TYPE



SMT TYPE



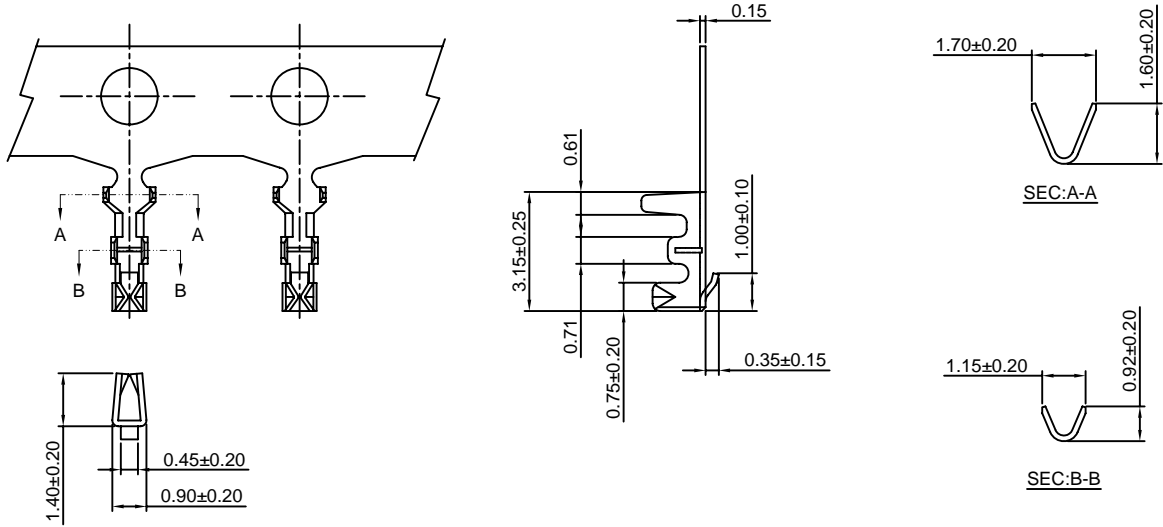
# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

## A1251-T

1.25mm pitch Crimp Terminal

**Reference Informations:**

\*Used in CJT A1251H-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
A1251-TP	AWG#28-#32	1.00mm(max)	Phosphor Bronze	Tin over Nickel	15,000 PCS
A1251-GP	AWG#28-#32	1.00mm(max)	Phosphor Bronze	Gold over Nickel	15,000 PCS

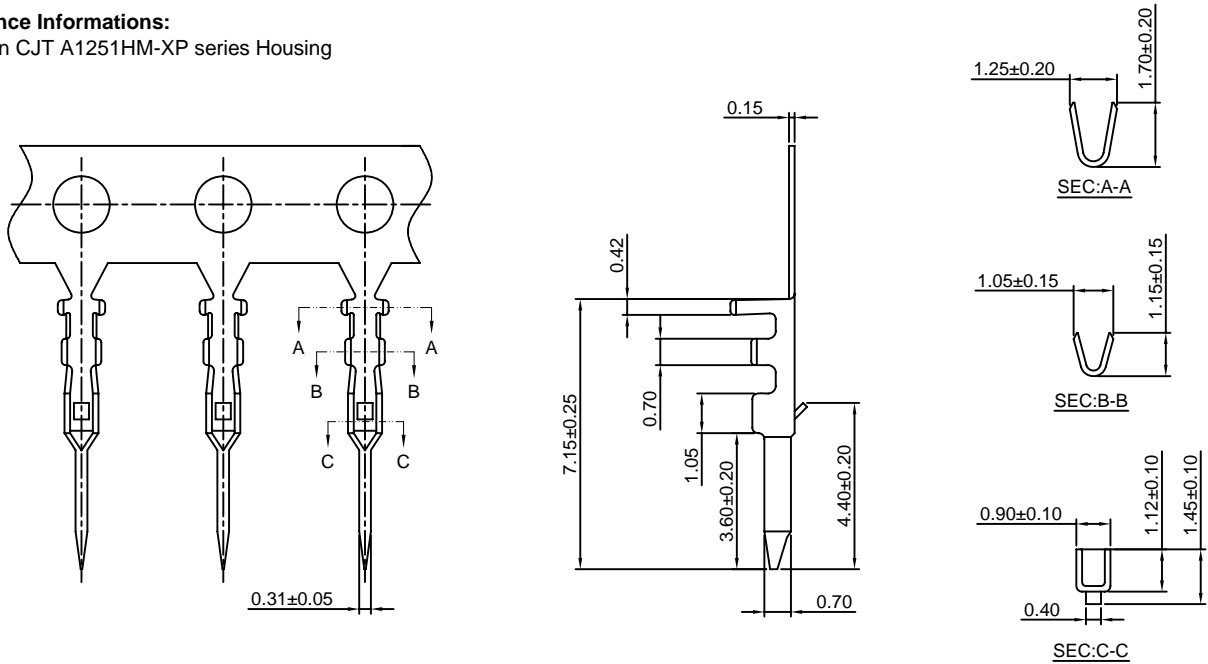
Optional Gold plating available but MOQ requested

## A1251M-T

1.25mm pitch Crimp Terminal

**Reference Informations:**

\*Used in CJT A1251HM-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
A1251M-TP	AWG#28-#32	1.00mm(max)	Phosphor Bronze	Tin over Nickel	15,000 PCS
A1251M-GP	AWG#28-#32	1.00mm(max)	Phosphor Bronze	Gold over Nickel	15,000 PCS

Optional Gold plating available but MOQ requested



# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

## A1251H-XP

1.25mm pitch Housing

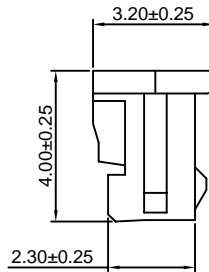
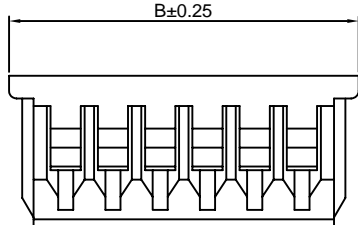
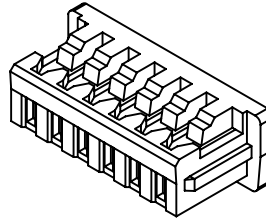
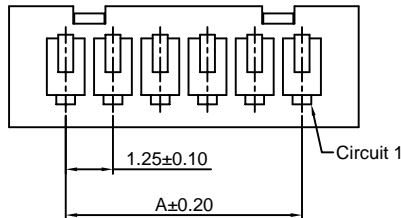
### Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable CJT A1251-T series Terminal
- \*Mates with CJT A1251HM-XP,A1251WV,WR-XP, A1251WV-S,WR-S-XP series Wafer
- \*Color:White

### Ordering Information:

A1251H-XP - \*\*\*  
1 2

- 1.Part No.
- 2.Material:  
(Blank):Nylon 66,UL94V-0  
GWT:Nylon 66,UL94V-0,GWT 750°C



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	4.25
3P	2.50	5.50
4P	3.75	6.75
5P	5.00	8.00
6P	6.25	9.25
7P	7.50	10.50
8P	8.75	11.75
9P	10.00	13.00
10P	11.25	14.25
11P	12.50	15.50
12P	13.75	16.75
13P	15.00	18.00
14P	16.25	19.25
15P	17.50	20.50
16P	18.75	21.75
17P	20.00	23.00
18P	21.25	24.25
19P	22.50	25.50
20P	23.75	26.75

Unit: mm

## A1251HM-XP

1.25mm pitch Housing

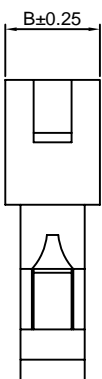
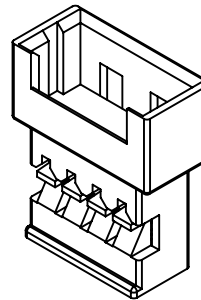
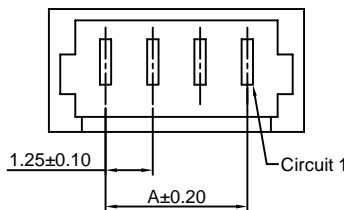
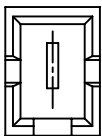
### Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable CJT A1251M-T series Terminal
- \*Mates with CJT A1251H-XP series Housing
- \*Color:White

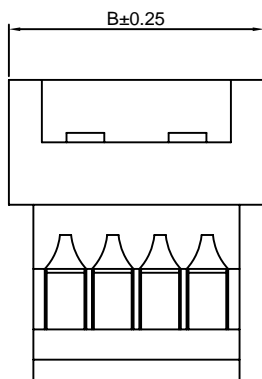
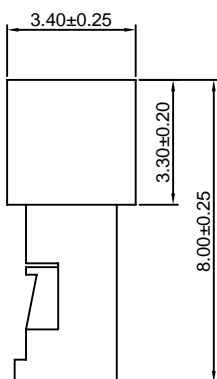
### Ordering Information:

A1251HM-XP - \*\*\*  
1 2

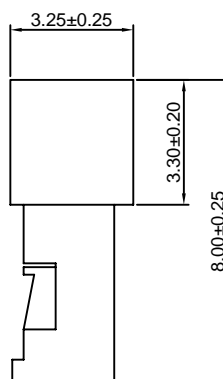
- 1.Part No.
- 2.Material:  
(Blank):Nylon 66,UL94V-0  
GWT:Nylon 66,UL94V-0,GWT 750°C



1P



2P~20P



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
1P	----	2.50
2P	1.25	4.25
3P	2.50	5.50
4P	3.75	6.75
5P	5.00	8.00
6P	6.25	9.25
7P	7.50	10.50
8P	8.75	11.75
9P	10.00	13.00
10P	11.25	14.25
11P	12.50	15.50
12P	13.75	16.75
13P	15.00	18.00
14P	16.25	19.25
15P	17.50	20.50
16P	18.75	21.75
17P	20.00	23.00
18P	21.25	24.25
19P	22.50	25.50
20P	23.75	26.75

Unit: mm



# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

## A1251WV-XP

1.25mm pitch 180° Wafer

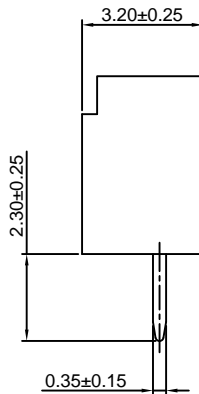
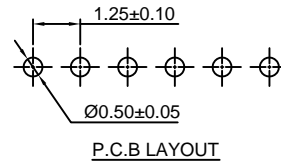
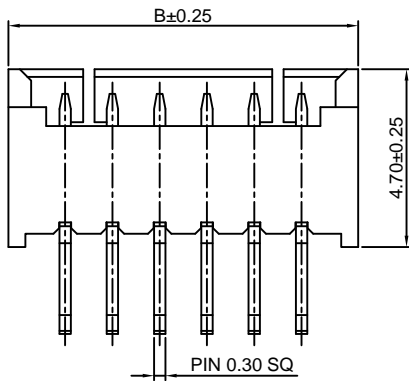
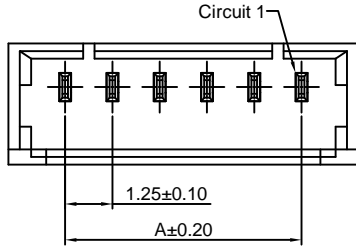
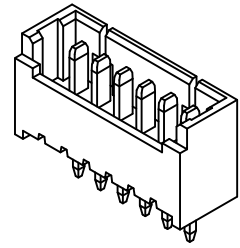
### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 66, UL94V-0
- \*Mates with CJT A1251H-XP series Housing
- \*Color: Ivory

### Ordering Information:

A1251WV-XP - \*\*\* - \*\*  
1 2 3

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



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	4.30
3P	2.50	5.55
4P	3.75	6.80
5P	5.00	8.05
6P	6.25	9.30
7P	7.50	10.55
8P	8.75	11.80
9P	10.00	13.05
10P	11.25	14.30
11P	12.50	15.55
12P	13.75	16.80
13P	15.00	18.05
14P	16.25	19.30
15P	17.50	20.55
16P	18.75	21.80
17P	20.00	23.05
18P	21.25	24.30
19P	22.50	25.55
20P	23.75	26.80

Unit: mm

## A1251WR-XP

1.25mm pitch 90° Wafer

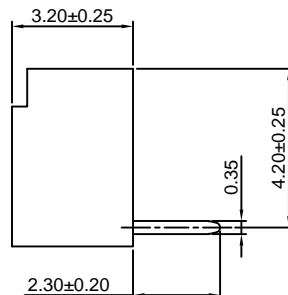
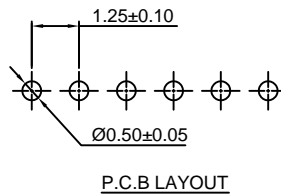
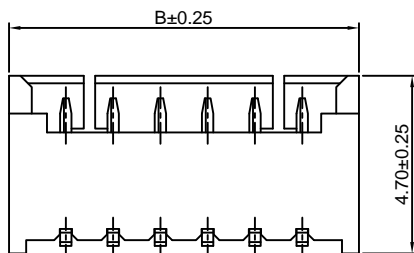
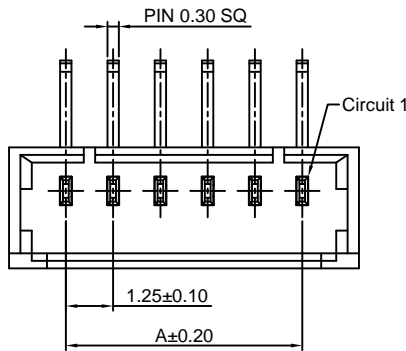
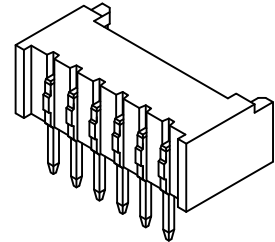
### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 66, UL94V-0
- \*Mates with CJT A1251H-XP series Housing
- \*Color: Ivory

### Ordering Information:

A1251WR-XP - \*\*\* - \*\*  
1 2 3

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



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	4.30
3P	2.50	5.55
4P	3.75	6.80
5P	5.00	8.05
6P	6.25	9.30
7P	7.50	10.55
8P	8.75	11.80
9P	10.00	13.05
10P	11.25	14.30
11P	12.50	15.55
12P	13.75	16.80
13P	15.00	18.05
14P	16.25	19.30
15P	17.50	20.55
16P	18.75	21.80
17P	20.00	23.05
18P	21.25	24.30
19P	22.50	25.55
20P	23.75	26.80

Unit: mm



# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

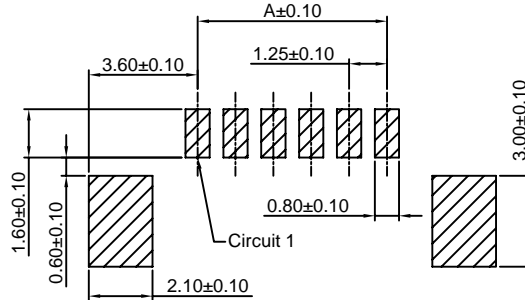
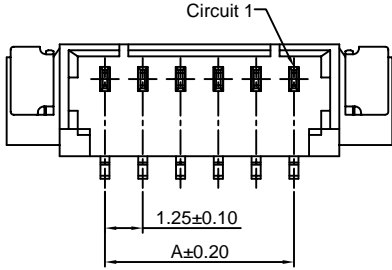
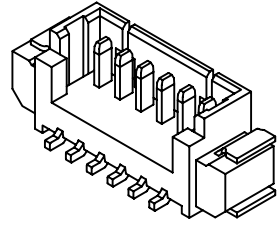
## A1251WV-S-XP

1.25mm pitch 180° Wafer-SMT TYPE

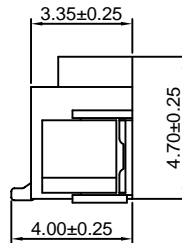
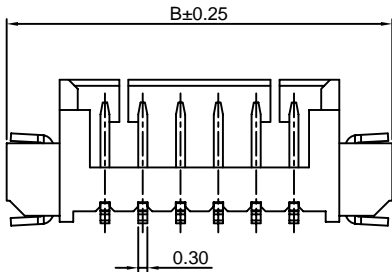
### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with CJT A1251H-XP series Housing
- \*Color: Ivory

- Ordering Information:  
A1251WV-S-XP - \*\*\* - \*\*  
1 2 3
1. Part No.
  2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
  3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	7.75
3P	2.50	9.00
4P	3.75	10.25
5P	5.00	11.50
6P	6.25	12.75
7P	7.50	14.00
8P	8.75	15.25
9P	10.00	16.50
10P	11.25	17.75
11P	12.50	19.00
12P	13.75	20.25
13P	15.00	21.50
14P	16.25	22.75
15P	17.50	24.00
16P	18.75	25.25
17P	20.00	26.50
18P	21.25	27.75
19P	22.50	29.00
20P	23.75	30.25

Unit: mm

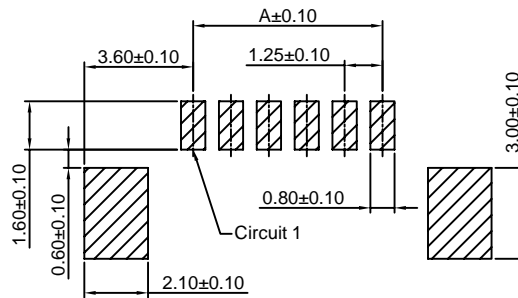
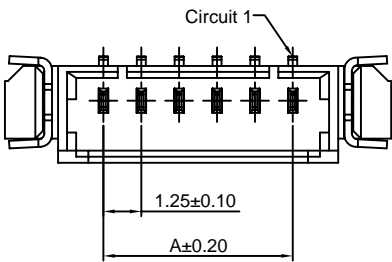
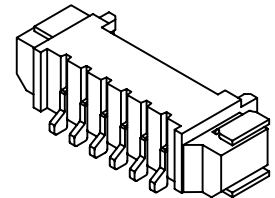
## A1251WR-S-XP

1.25mm pitch 90° Wafer-SMT TYPE

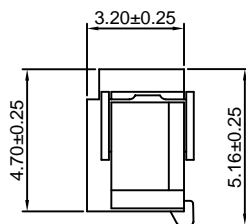
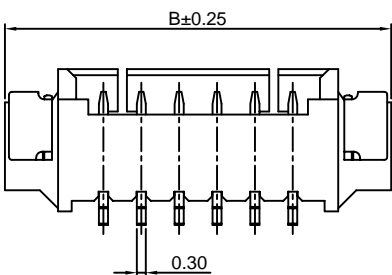
### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with CJT A1251H-XP series Housing
- \*Color: Ivory

- Ordering Information:  
A1251WR-S-XP - \*\*\* - \*\*  
1 2 3
1. Part No.
  2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
  3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	7.75
3P	2.50	9.00
4P	3.75	10.25
5P	5.00	11.50
6P	6.25	12.75
7P	7.50	14.00
8P	8.75	15.25
9P	10.00	16.50
10P	11.25	17.75
11P	12.50	19.00
12P	13.75	20.25
13P	15.00	21.50
14P	16.25	22.75
15P	17.50	24.00
16P	18.75	25.25
17P	20.00	26.50
18P	21.25	27.75
19P	22.50	29.00
20P	23.75	30.25

Unit: mm



# A1251 SERIES 1.25mm pitch wire to board and wire to wire connector

## A1251WRA-S-XP

1.25mm pitch 90° Wafer-SMT TYPE

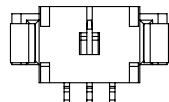
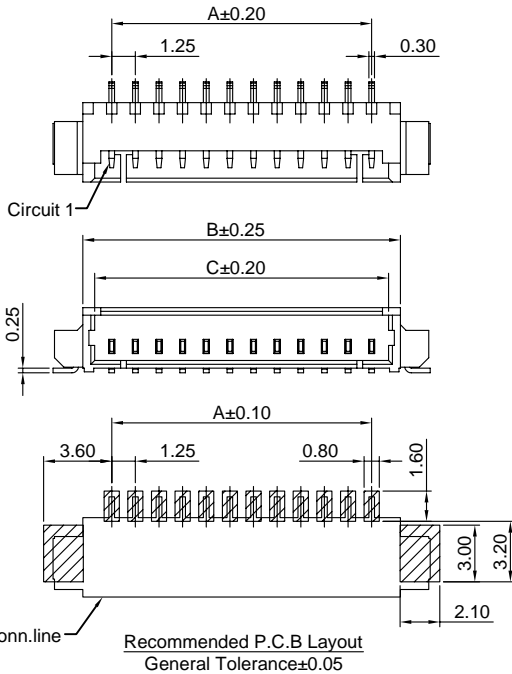
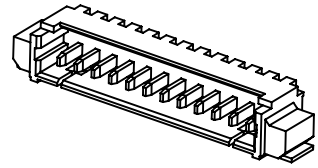
### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 9T, UL94V-0
- \*Mates with CJT A1251H-XP series Housing
- \*Color: Natural

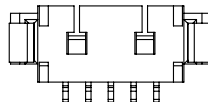
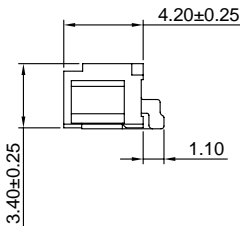
### Ordering Information:

A1251WRA-S-XP - \*\*\* - \*\*  
1 2 3

1. Part No.
2. Material:  
(Blank): Nylon 9T, UL94V-0  
GWT: Nylon 9T, UL94V-0, GWT 750°C
3. Finish:  
(blank): Tin over Nickel  
G: Gold over Nickel



02P~03P Single Hole



04P~20P Double Hole

### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.25	7.75
3P	2.50	9.00
4P	3.75	10.25
5P	5.00	11.50
6P	6.25	12.75
7P	7.50	14.00
8P	8.75	15.25
9P	10.00	16.50
10P	11.25	17.75
11P	12.50	19.00
12P	13.75	20.25
13P	15.00	21.50
14P	16.25	22.75
15P	17.50	24.00
16P	18.75	25.25
17P	20.00	26.50
18P	21.25	27.75
19P	22.50	29.00
20P	23.75	30.25

Unit: mm

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