

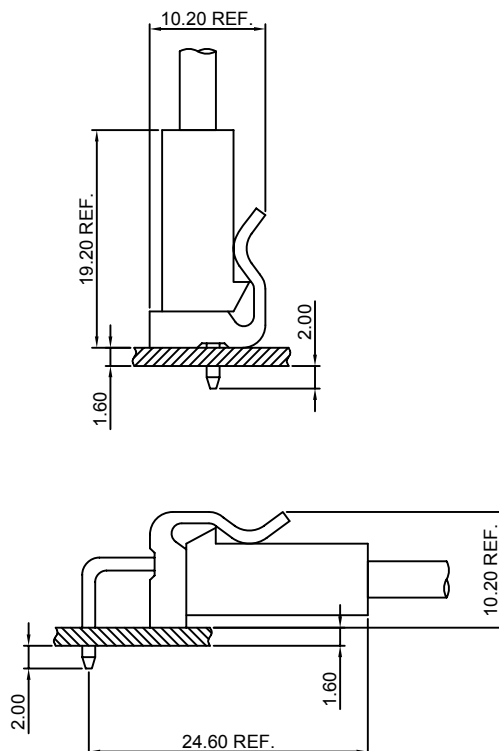
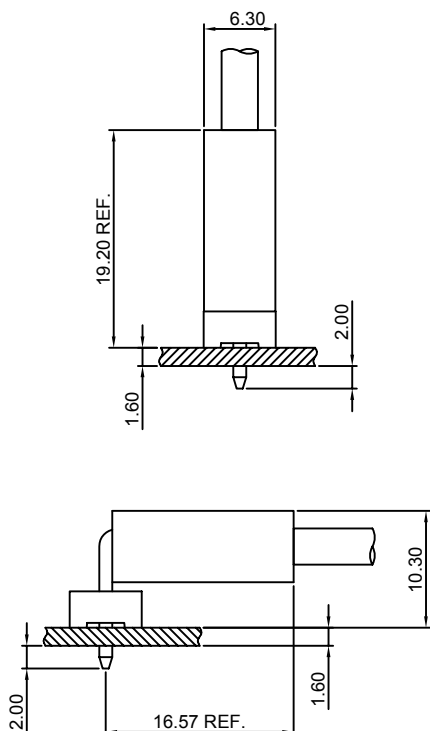
Specifications

Current rating: 7A AC, DC
 Voltage rating: 250V AC, DC
 Temperature range: -40°C ~ +105°C
 Contact resistance: 10mΩ Max.
 Insulation resistance: 1000MΩ Min.
 Withstanding voltage: 1500V AC/minute
 Compliant with RoHS and REACH
 Meet the HF/Halogen Free, GWT/Glow wire Test (IEC60335-1) request, need to customize
 Contact CJT for details

Standards



Assembly layout





A5081 SERIES

5.08mm pitch wire to board connector

A5081H-XP

5.08mm pitch Housing

Reference Informations:

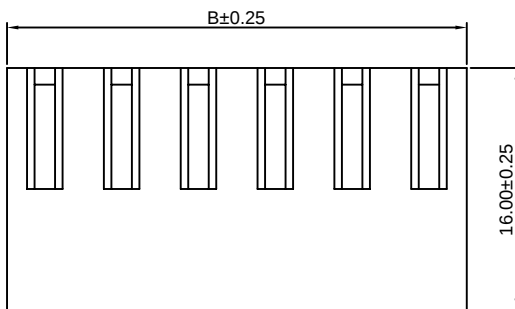
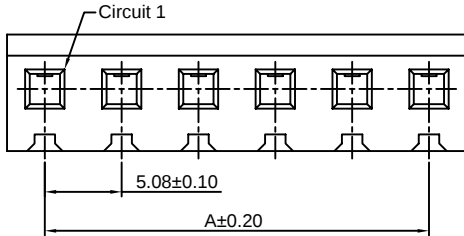
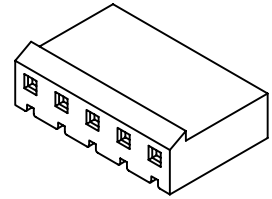
*Material:Nylon 66,UL94V-2

*Suitable CJT A3961-T(-1) series Terminal

*Mates with CJT A5081WV,WR,WVA,WRA-XP(-A),A5081WVB-XP

A5081WV-XP-R(-A),A5081WVA-XP-R(-A) series Wafer

*Color:Natural



Ordering Information:

A5081H-XP - * - ***
1 2 3

1.Part No.

2.Style:

(blank)-Type 1

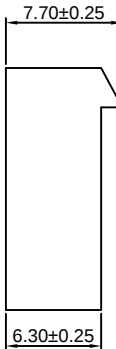
2-Type 2

3.Material:

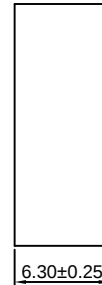
(blank)-Nylon 66,UL94V-2(Natural)

V0-Nylon 66,UL94V-0(White)

GWT-Nylon 66,UL94V-0,GWT 750°C



TYPE 1



TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.08
3P	10.16	15.16
4P	15.24	20.24
5P	20.32	25.32
6P	25.40	30.40
7P	30.48	35.48
8P	35.56	40.56
9P	40.64	45.64
10P	45.72	50.72
11P	50.80	55.80
12P	55.88	60.88
13P	60.96	65.96
14P	66.04	71.04
15P	71.12	76.12
16P	76.20	81.20
17P	81.28	86.28
18P	86.36	91.36
19P	91.44	96.44
20P	96.52	101.52

Unit: mm

A5081WV-XP

5.08mm pitch 180° Wafer

Reference Informations:

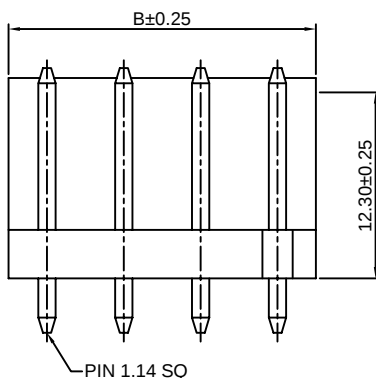
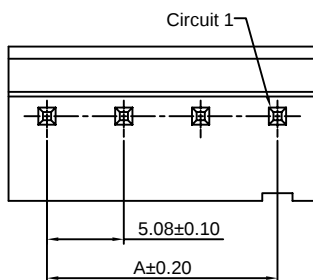
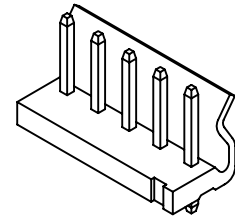
*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-2

*Mates with CJT A5081H-XP,A5082H-XP,

A5082H-XP-A series Housing

*Color:Natural



Ordering Information:
A5081WV-XP - *** - **
1 2 3

1.Part No.

2.Material:

(blank):Nylon 66,UL94V-2(Natural)

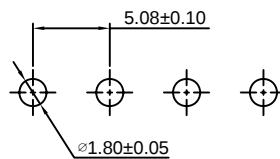
V0:Nylon 66,UL94V-0(White)

GWT:Nylon 66,UL94V-0,GWT 750°C

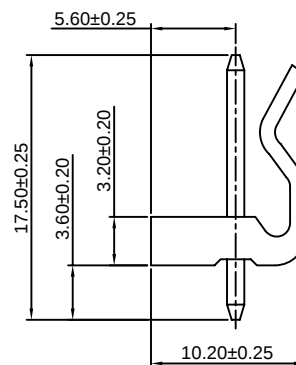
3.Finish:

(blank):Tin over Nickel

G:Gold over Nickel



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm



A5081 SERIES

5.08mm pitch wire to board connector

A5081WR-XP

5.08mm pitch 90° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-2

*Mates with CJT A5081H-XP,A5082H-XP,
A5082H-XP-A series Housing

*Color:Natural

Ordering Information:

A5081WR-XP - *** - **
1 2 3

1.Part No.

2.Material:

(blank):Nylon 66,UL94V-2(Natural)

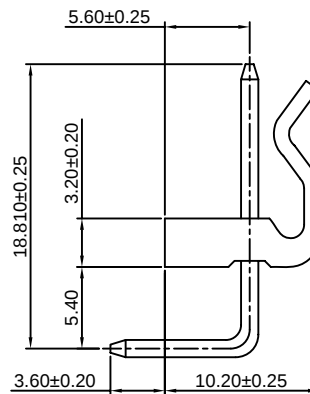
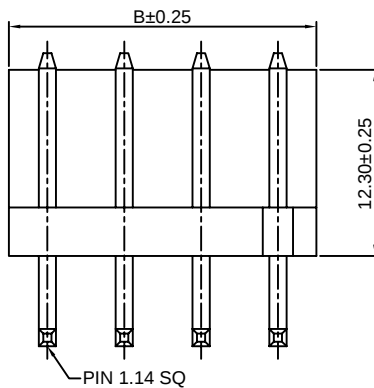
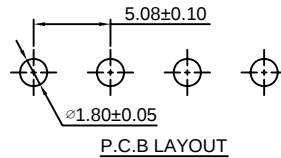
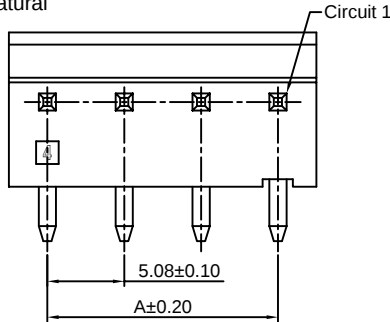
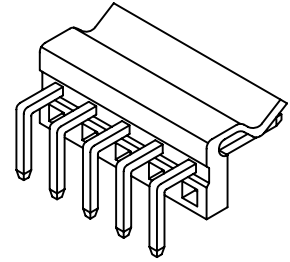
V0:Nylon 66,UL94V-0(White)

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	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

A5081WVA-XP

5.08mm pitch 180° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-2

*Mates with CJT A5081H-XP,A5082H-XP,
A5082H-XP-A series Housing

*Color:Natural

Ordering Information:

A5081WVA-XP - *** - **
1 2 3

1.Part No.

2.Material:

(blank):Nylon 66,UL94V-2(Natural)

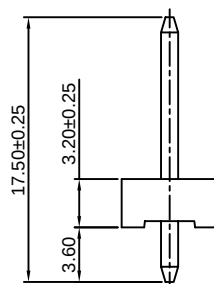
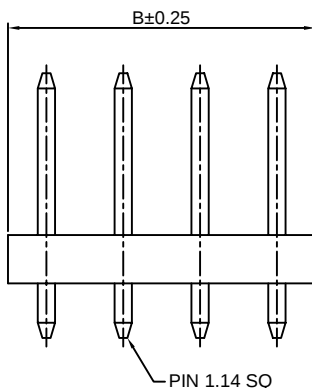
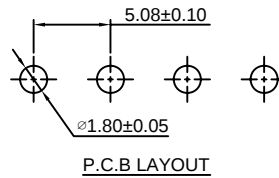
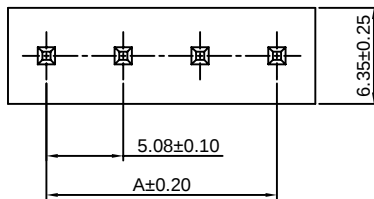
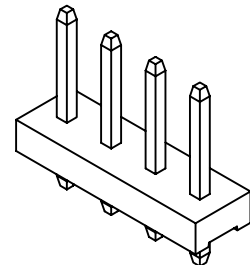
V0:Nylon 66,UL94V-0(White)

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	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm



A5081 SERIES

5.08mm pitch wire to board connector

A5081WRA-XP

5.08mm pitch 90° Wafer

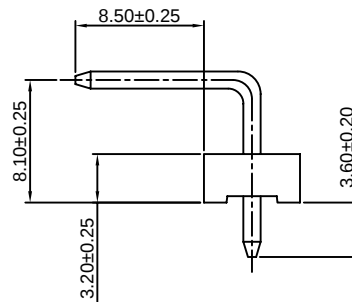
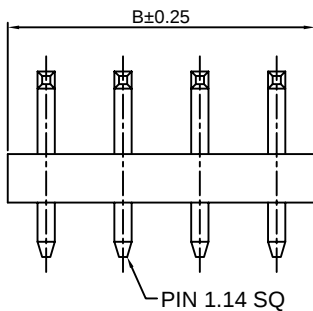
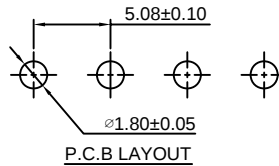
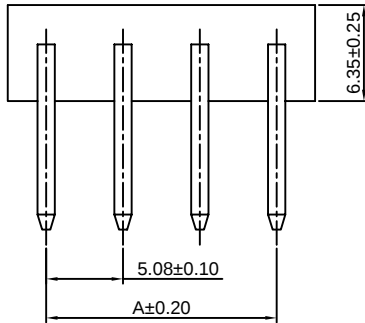
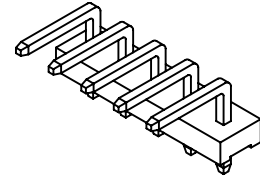
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with CJT A5081H-XP, A5082H-XP, A5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

A5081WRA-XP - *** - **
1 2 3

- Part No.
- Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
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	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

A5081WVB-XP

5.08mm pitch 180° Wafer

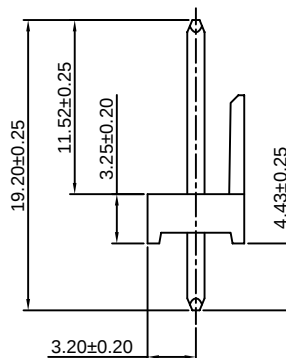
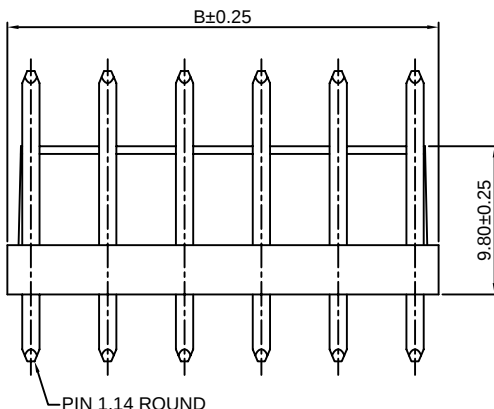
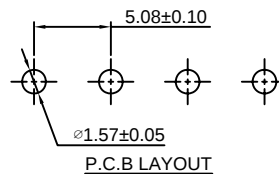
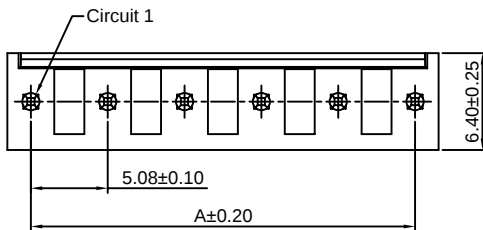
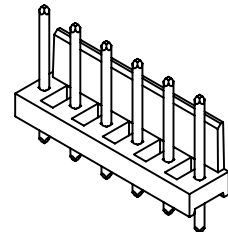
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with CJT A5081H-XP, A5082H-XP, A5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

A5081WVB-XP - *** - **
1 2 3

- Part No.
- Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
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	5.08	8.20
3P	10.16	13.28
4P	15.24	18.36
5P	20.32	23.44
6P	25.40	28.52
7P	30.48	33.60
8P	35.56	38.68
9P	40.64	43.76
10P	45.72	48.84
11P	50.80	53.92
12P	55.88	59.00
13P	60.96	64.08
14P	66.04	69.16
15P	71.12	74.24
16P	76.20	79.32
17P	81.28	84.40
18P	86.36	89.48
19P	91.44	94.56
20P	96.52	99.64

Unit: mm



A5081 SERIES

5.08mm pitch wire to board connector

A5081WV-XP-R

5.08mm pitch 180° Wafer Round Pin

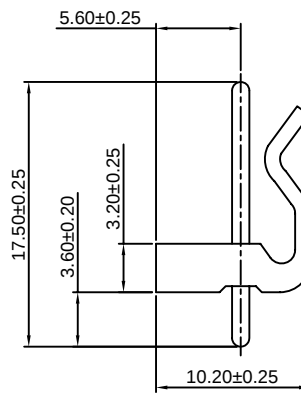
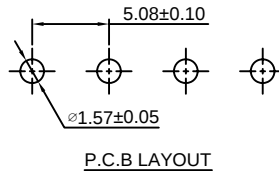
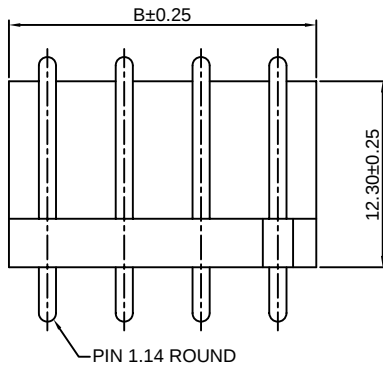
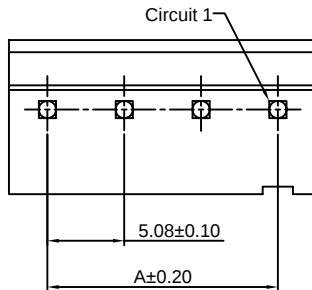
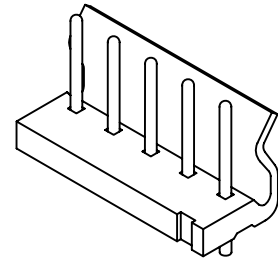
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with CJT A5081H-XP, A5082H-XP, A5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

A5081WV-XP-R - *** - **
1 2 3

1. Part No.
2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
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	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

A5081WVA-XP-R

5.08mm pitch 180° Wafer Round Pin

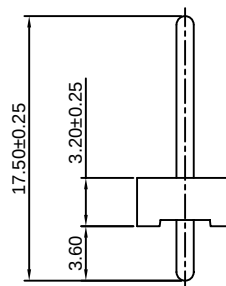
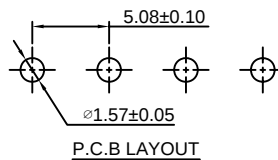
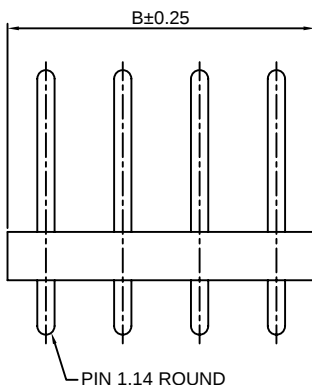
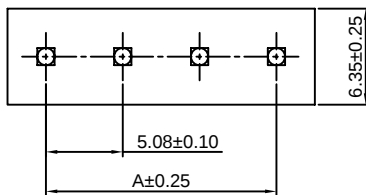
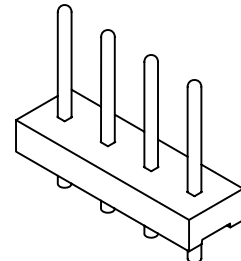
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with CJT A5081H-XP, A5082H-XP, A5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

A5081WVA-XP-R - *** - **
1 2 3

1. Part No.
2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
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	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm



A5081 SERIES

5.08mm pitch wire to board connector

A5081WV-XP-A

10.16mm pitch 180° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-2

*Mates with CJT A5081H-XP,A5082H-XP,
A5082H-XP-A series Housing

*Color:Natural

Ordering Information:

A5081WV-XP-A - *** - **
1 2 3

1.Part No.

2.Material:

(blank):Nylon 66,UL94V-2(Natural)

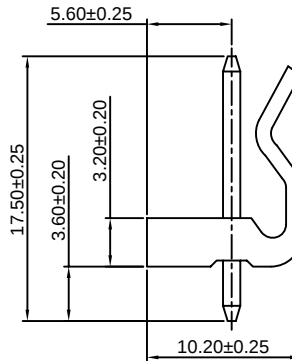
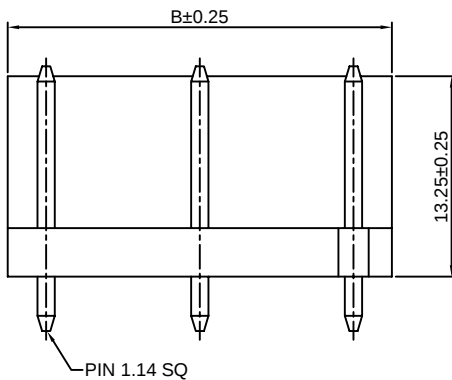
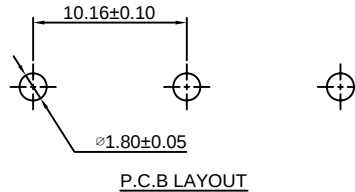
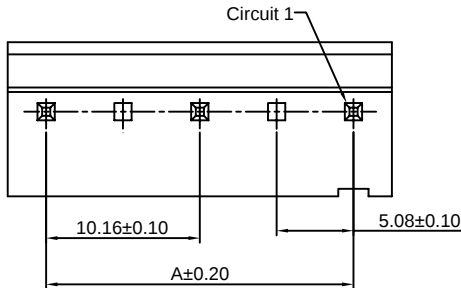
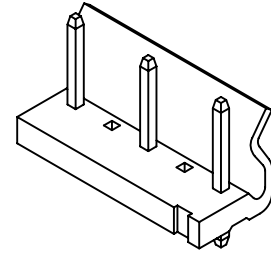
V0:Nylon 66,UL94V-0(White)

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
3P	10.16	15.24
5P	20.32	25.40
7P	30.48	35.56
9P	40.64	45.72
11P	50.80	55.88
13P	60.96	66.04
15P	71.12	76.20
17P	81.28	86.36
19P	91.44	96.52

Unit: mm

A5081WR-XP-A

10.16mm pitch 90° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-2

*Mates with CJT A5081H-XP,A5082H-XP,
A5082H-XP-A series Housing

*Color:Natural

Ordering Information:

A5081WR-XP-A - *** - **
1 2 3

1.Part No.

2.Material:

(blank)-Nylon 66,UL94V-2(Natural)

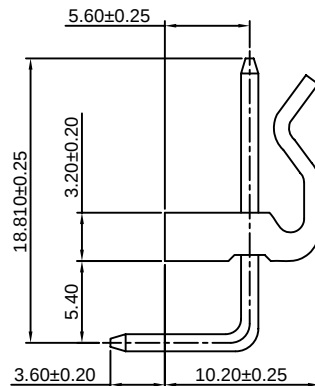
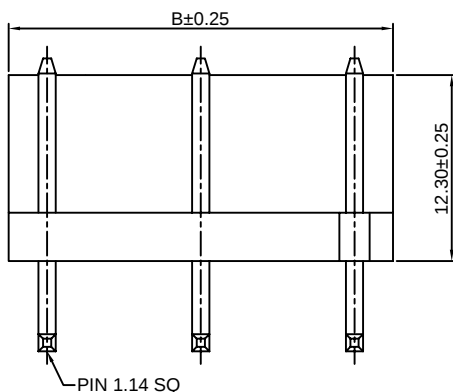
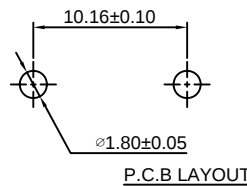
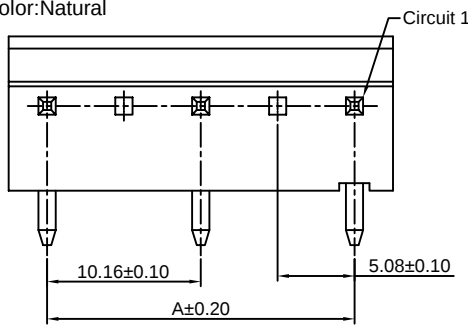
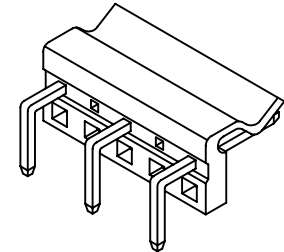
V0-Nylon 66,UL94V-0(White)

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
3P	10.16	15.24
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15P	71.12	76.20
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19P	91.44	96.52

Unit: mm