



A2543 SERIES

2.54mm pitch wire to board connector

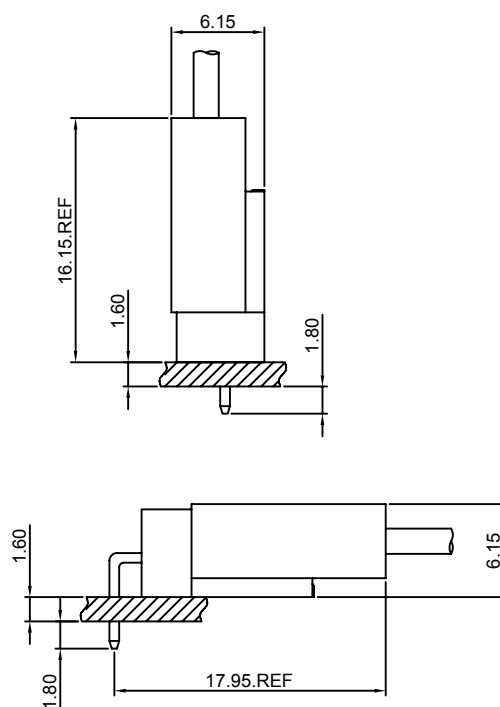
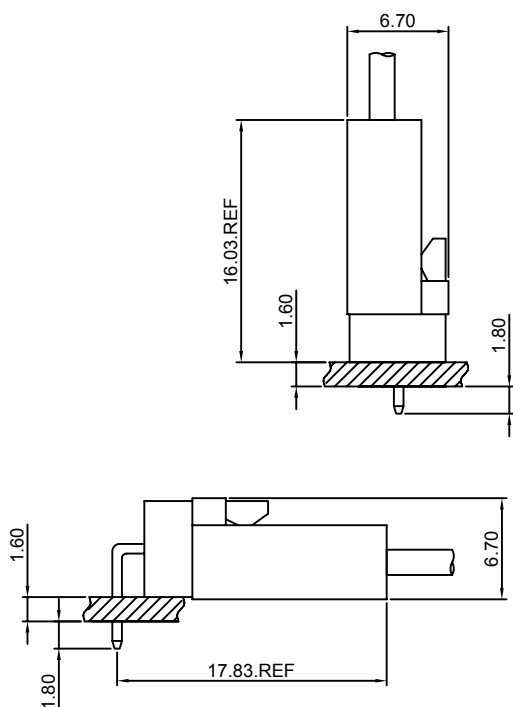
Specifications

Current rating:4A AC,DC
Voltage rating:250V AC,DC
Temperature range:-40°C~+105°C
Contact resistance:10mΩMax.
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





A2543 SERIES

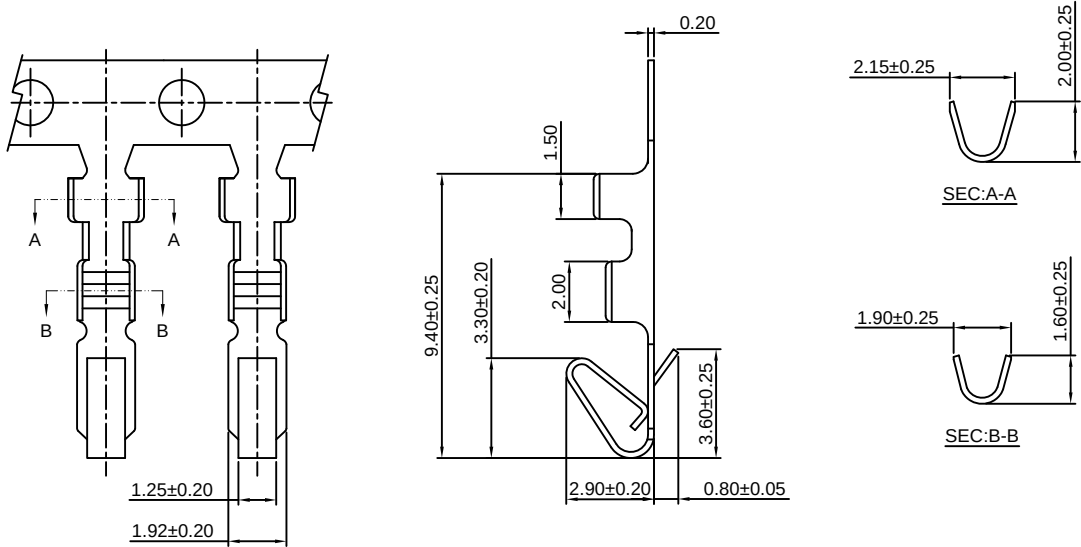
2.54mm pitch wire to board connector

A2543-T

2.54mm Pitch Crimp Terminal

Reference Informations:

*Used in CJT A2543H-XP,A2543HA,HB-XP-WH,A2543HC-4P,C2504AH-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
A2543-TB	AWG#22-#28	1.90mm(max)	Brass	Tin over Nickel	10,000 PCS
A2543-TP	AWG#22-#28	1.90mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
A2543-GB	AWG#22-#28	1.90mm(max)	Brass	Gold over Nickel	10,000 PCS
A2543-GP	AWG#22-#28	1.90mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

Optional Gold plating available but MOQ requested

A2543H-XP

2.54mm Pitch Housing

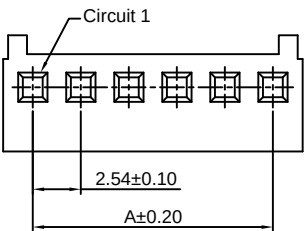
Reference Informations:

*Material:Nylon 66,UL94V-0

*Suitable CJT A2543-T series Terminal

*Mates with CJT A2543WV,WR-XP,A2543WR-XP-L,
A2543WR-S-XP series Wafer

*Color:Beige or White



Ordering Information:

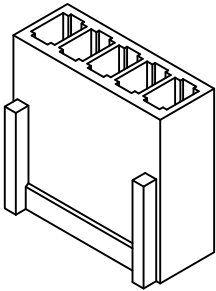
A2543H-XP - * - ***

1 2 3

1.Part No.

2.Style:
(blank) :Type 1/Beige
2 :Type 2/White

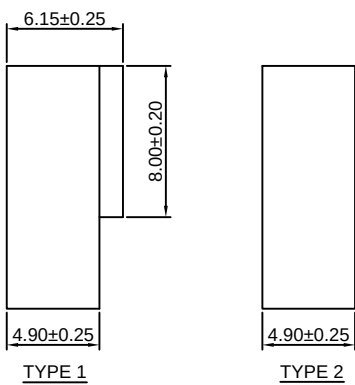
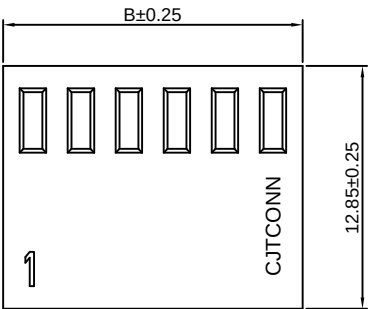
3.Material:
(Blank):Nylon 66,UL94V-0
GWT:Nylon 66,UL94V-0,GWT 750℃



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	5.68
3P	5.08	8.22
4P	7.62	10.76
5P	10.16	13.30
6P	12.70	15.84
7P	15.24	18.38
8P	17.78	20.92
9P	20.32	23.46
10P	22.86	26.00
11P	25.40	28.54
12P	27.94	31.08
13P	30.48	33.62
14P	33.02	36.16
15P	35.56	38.70
16P	38.10	41.24
17P	40.64	43.78
18P	43.18	46.32
19P	45.72	48.86
20P	48.26	51.40
21P	50.80	53.94
22P	53.34	56.48
23P	55.88	59.02
24P	58.42	61.56
25P	60.96	64.10

Unit: mm





A2543 SERIES

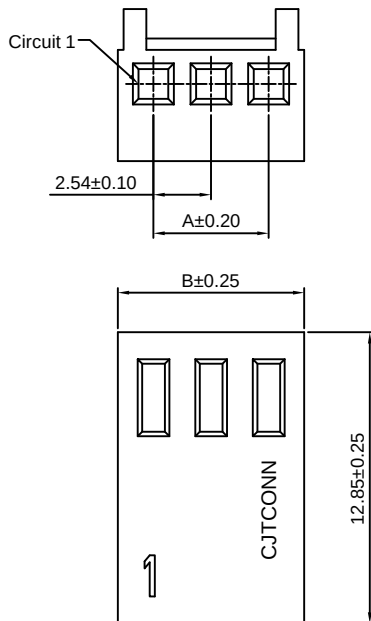
2.54mm pitch wire to board connector

A2543HA-XP-WH

2.54mm Pitch Housing

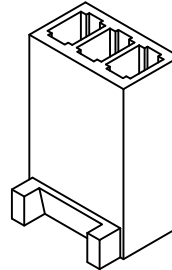
Reference Informations:

- *Material:Nylon 66,UL94V-0
- *Suitable CJT A2543-T series Terminal
- *Mates with CJT A2543WVA,WRA-XP-WH, A2543WRD-XP,A2543WVB-S-XP, D2541WVA(-F)-XP,WRA-XP(-2) series Wafer
- *Color: White



Ordering Information:
A2543HA-XP-WH - ***
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	2.54	5.68
3P	5.08	8.22
4P	7.62	10.76
5P	10.16	13.30
6P	12.70	15.84
7P	15.24	18.38
8P	17.78	20.92
9P	20.32	23.46
10P	22.86	26.00
11P	25.40	28.54
12P	27.94	31.08
13P	30.48	33.62
14P	33.02	36.16
15P	35.56	38.70
16P	38.10	41.24
17P	40.64	43.78
18P	43.18	46.32
19P	45.72	48.86
20P	48.26	51.40
21P	50.80	53.94
22P	53.34	56.48
23P	55.88	59.02
24P	58.42	61.56
25P	60.96	64.10

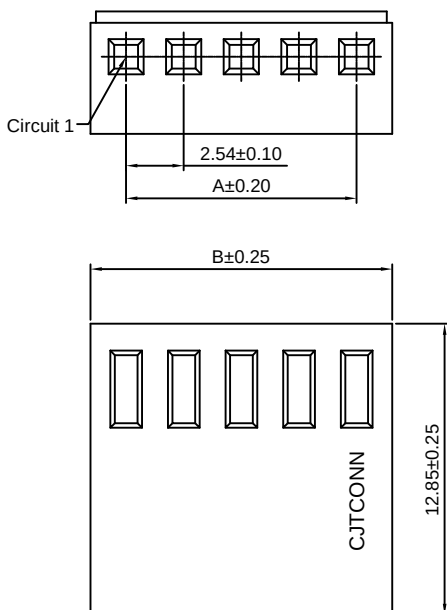
Unit: mm

A2543HB-XP-WH

2.54mm Pitch Housing

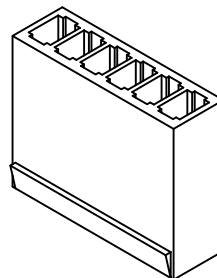
Reference Informations:

- *Material:Nylon 66,UL94V-0
- *Suitable CJT A2543-T series Terminal
- *Mates with CJT A2543WVA,WRA-XP-WH, A2543WRD-XP,A2543WVB-S-XP , D2541WVA(-F)-XP,WRA-XP(-2) series Wafer
- *Color: White



Ordering Information:
A2543HB-XP-WH - ***
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	2.54	5.68
3P	5.08	8.22
4P	7.62	10.76
5P	10.16	13.30
6P	12.70	15.84
7P	15.24	18.38
8P	17.78	20.92
9P	20.32	23.46
10P	22.86	26.00
11P	25.40	28.54
12P	27.94	31.08
13P	30.48	33.62
14P	33.02	36.16
15P	35.56	38.70
16P	38.10	41.24
17P	40.64	43.78
18P	43.18	46.32
19P	45.72	48.86
20P	48.26	51.40
21P	50.80	53.94
22P	53.34	56.48
23P	55.88	59.02
24P	58.42	61.56
25P	60.96	64.10

Unit: mm



A2543 SERIES

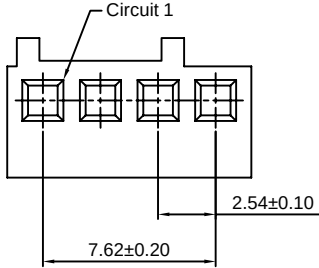
2.54mm pitch wire to board connector

A2543HC-4P

2.54mm Pitch Housing

Reference Informations:

- *Material:Nylon 66,UL94V-0
- *Suitable CJT A2543-T series Terminal
- *Mates with CJT A2543WVC-4P series Wafer
- *Color:Beige



Ordering Information:

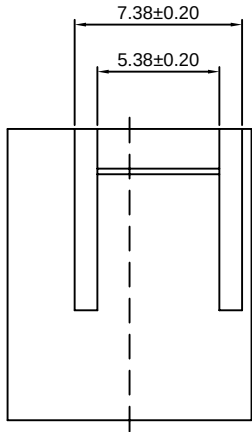
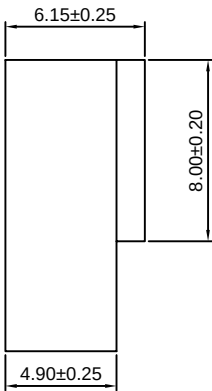
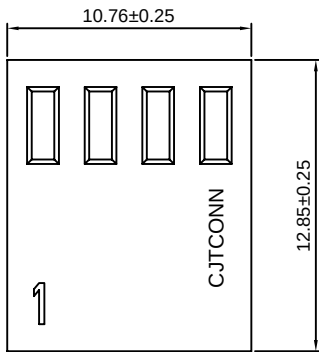
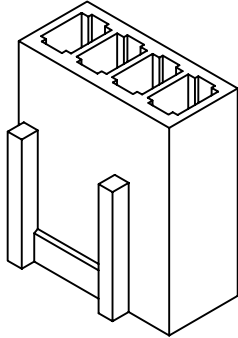
A2543H-4P - ***
1 2

1.Part No.

2.Material:

(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0,GWT 750℃



Unit: mm

A2543WV-XP

2.54mm pitch 180° Wafer

Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66,UL94V-0
- *Mates with CJT A2543H-XP series Housing
- *Color:Beige

Ordering Information:

A2543WV-XP - *** - **
1 2 3

1.Part No.

2.Material:

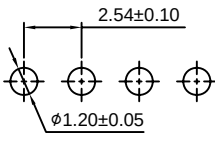
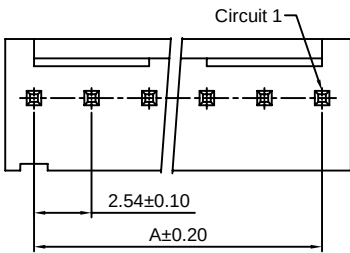
(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0,GWT 750℃

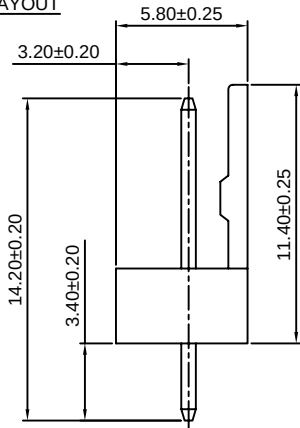
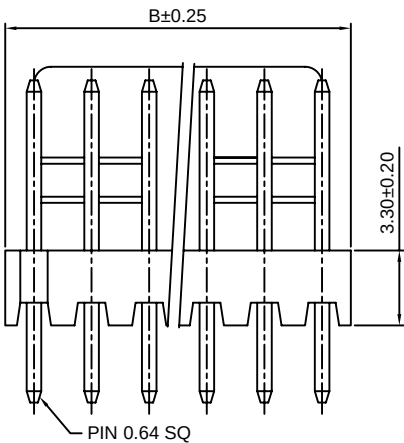
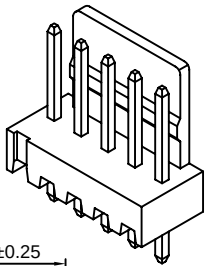
3.Finish:

(blank):Tin over Nickel

G:Gold over Nickel



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80
21P	50.80	53.34
22P	53.34	55.88
23P	55.88	58.42
24P	58.42	60.96
25P	60.96	63.50
26P	63.50	66.04
27P	66.04	68.58
28P	68.58	71.12

Unit: mm



A2543 SERIES

2.54mm pitch wire to board connector

A2543WR-XP

2.54mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with CJT A2543H-XP series Housing
- *Color: Beige

Ordering Information:

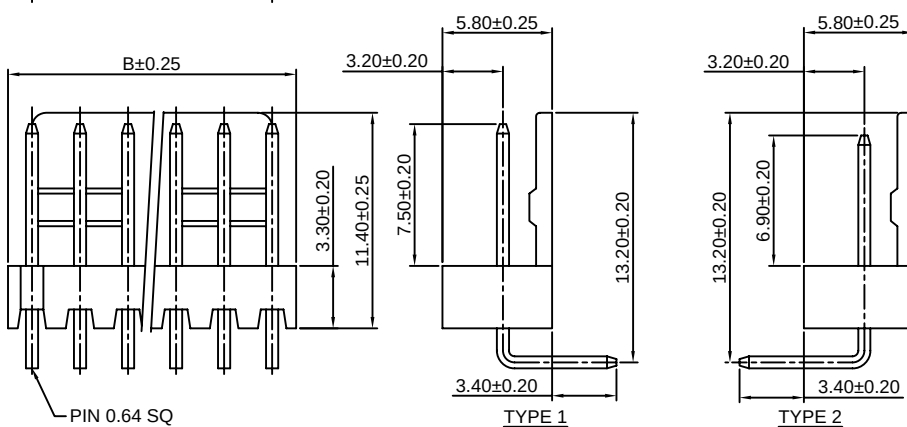
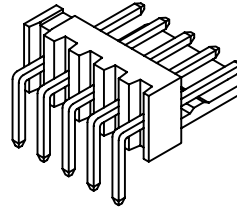
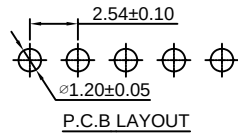
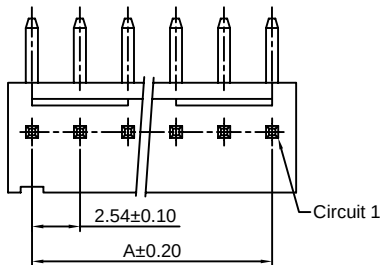
A2543WR-XP - * - *** - **
1 2 3 4

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

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80
21P	50.80	53.34
22P	53.34	55.88
23P	55.88	58.42
24P	58.42	60.96
25P	60.96	63.50
26P	63.50	66.04
27P	66.04	68.58
28P	68.58	71.12

Unit: mm



A2543WR-XP-L

2.54mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with CJT A2543H-XP series Housing
- *Color: Beige

Ordering Information:

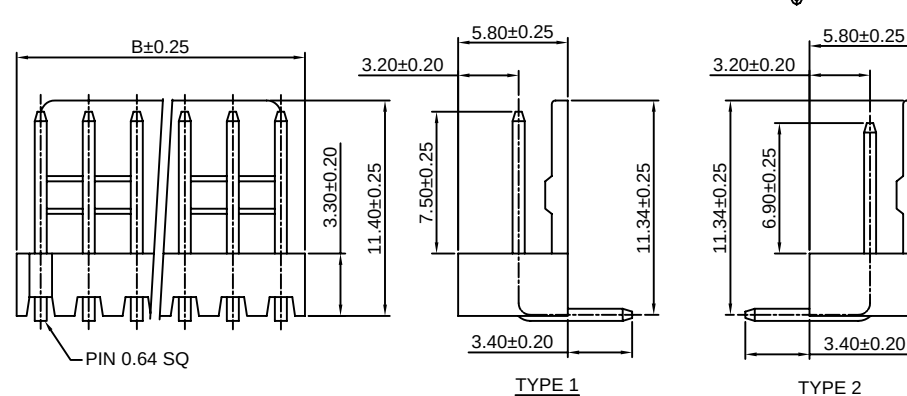
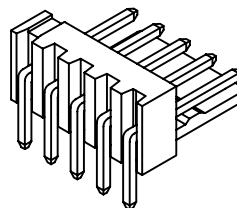
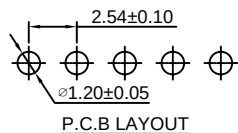
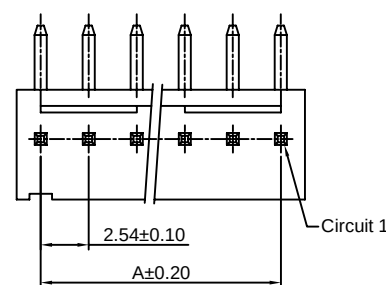
A2543WR-XP-L - * - *** - **
1 2 3 4

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

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80
21P	50.80	53.34
22P	53.34	55.88
23P	55.88	58.42
24P	58.42	60.96
25P	60.96	63.50
26P	63.50	66.04
27P	66.04	68.58
28P	68.58	71.12

Unit: mm





A2543 SERIES

2.54mm pitch wire to board connector

A2543WVA-XP-WH

2.54mm pitch 180° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-0

*Mates with CJT A2543HA,HB-XP-WH series Housing

*Color:White

Ordering Information:

A2543WVA-XP-WH - *** - **
1 2 3

1. Part No.

2. Material:

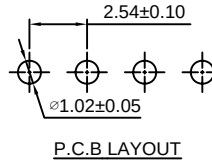
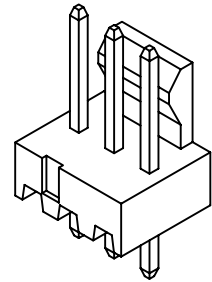
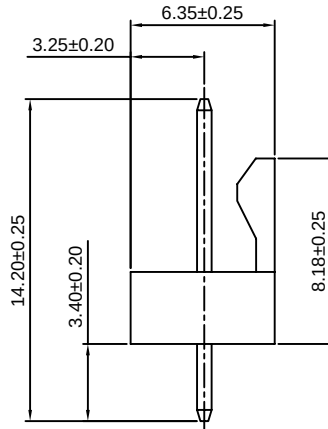
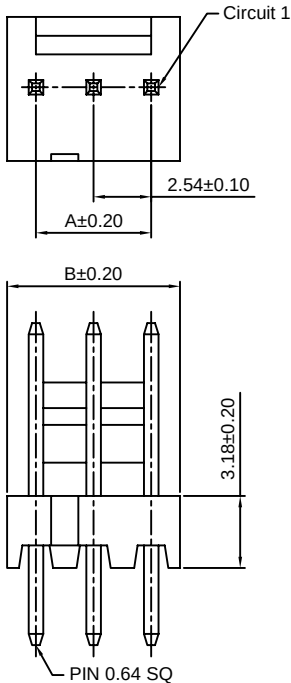
(Blank):Nylon 66,UL94V-0

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	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80
21P	50.80	53.34
22P	53.34	55.88
23P	55.88	58.42
24P	58.42	60.96
25P	60.96	63.50
26P	63.50	66.04
27P	66.04	68.58
28P	68.58	71.12

Unit: mm

A2543WRA-XP-WH

2.54mm Pitch 90° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-0

*Mates with CJT A2543HA,HB-XP-WH series Housing

*Color:White

Ordering Information:

A2543WRA-XP-WH - * - *** - **
1 2 3 4

1. Part No.

2. Style:

(blank):Type 1

2:Type 2

3. Material:

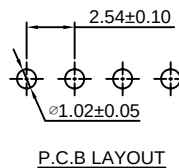
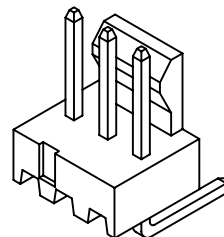
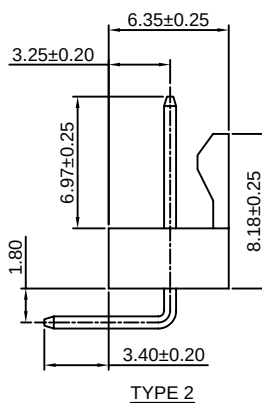
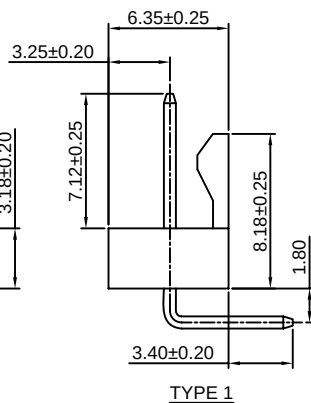
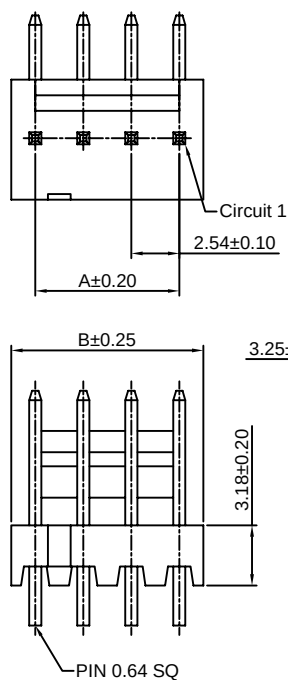
(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0,GWT 750°C

4. Finish:

(blank):Tin over Nickel

G:Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80
21P	50.80	53.34
22P	53.34	55.88
23P	55.88	58.42
24P	58.42	60.96
25P	60.96	63.50
26P	63.50	66.04
27P	66.04	68.58
28P	68.58	71.12

Unit: mm



A2543 SERIES

2.54mm pitch wire to board connector

A2543WVC-4P

2.54mm pitch 180° Wafer

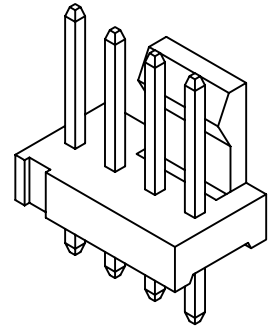
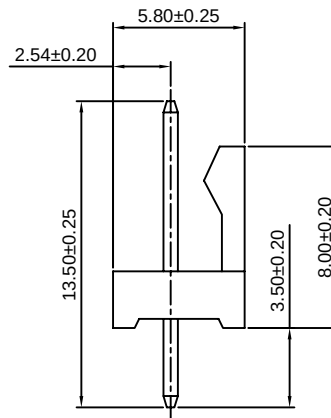
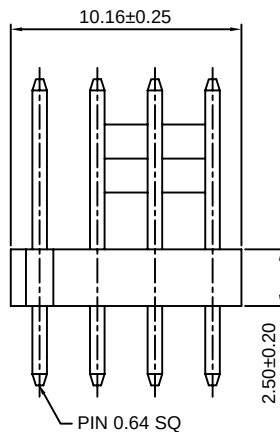
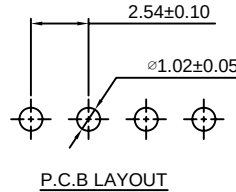
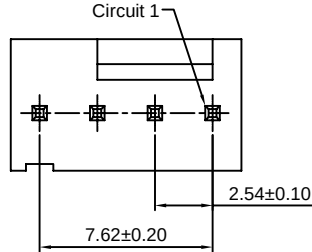
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with CJT A2543HC-4P series Housing
- *Color: Beige

Ordering Information:

A2543WVC-4P - *** - **
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



Unit: mm

A2543WRD-XP

2.54mm Pitch 90° Wafer

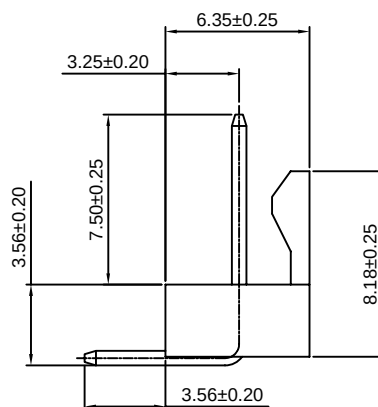
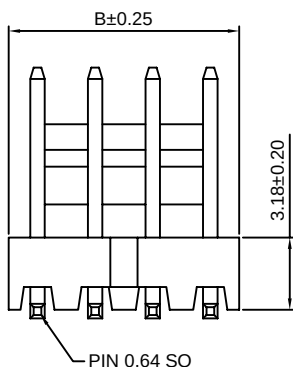
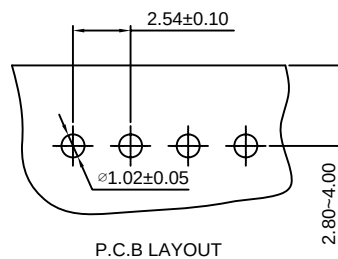
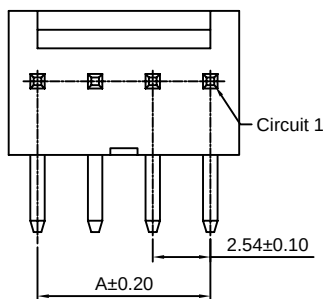
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with CJT A2543HA, HB-XP-WH series Housing
- *Color: White

Ordering Information:

A2543WRD-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	2.54	5.08
3P	5.08	7.62
4P	7.62	10.16
5P	10.16	12.70
6P	12.70	15.24
7P	15.24	17.78
8P	17.78	20.32
9P	20.32	22.86
10P	22.86	25.40
11P	25.40	27.94
12P	27.94	30.48
13P	30.48	33.02
14P	33.02	35.56
15P	35.56	38.10
16P	38.10	40.64
17P	40.64	43.18
18P	43.18	45.72
19P	45.72	48.26
20P	48.26	50.80

Unit: mm



A2543 SERIES

2.54mm pitch wire to board connector

A2543WR-S-XP

2.54mm Pitch 90° Wafer - SMT TYPE

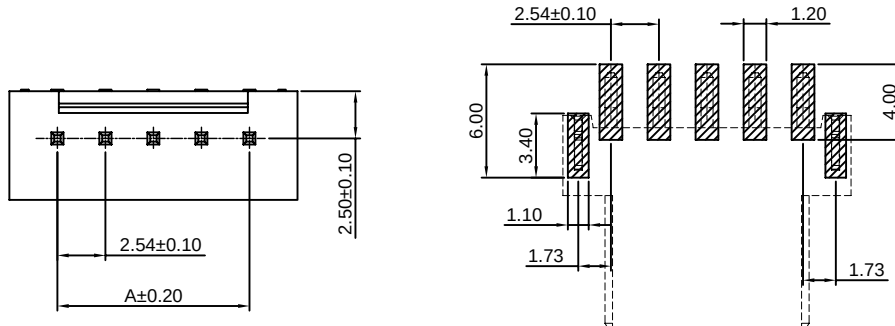
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 9T, UL94V-0
- *Mates with CJT A2543H-XP series Housing
- *Color: Natural

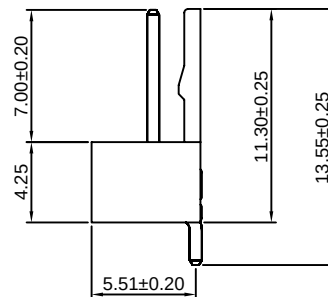
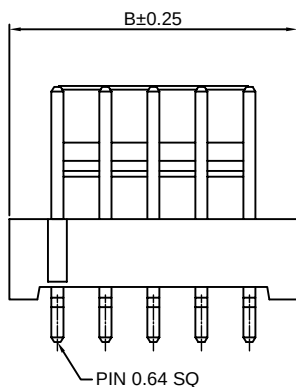
Ordering Information:

A2543WR-S-XP - *** - **
1 2 3

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



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.54	7.62
4P	7.62	12.70
5P	10.16	15.24

Unit: mm

A2543WVB-S-XP

2.54mm pitch 180° Wafer - SMT TYPE

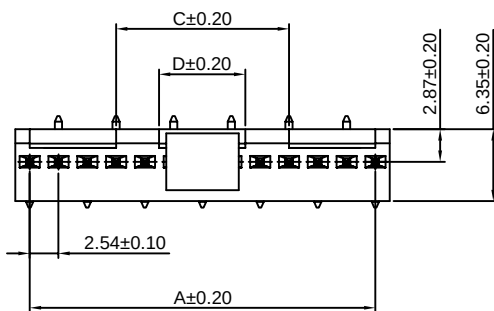
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: LCP, UL94V-0
- *Mates with CJT A2543HA, HB-XP-WH series Housing
- *Color: Ivory

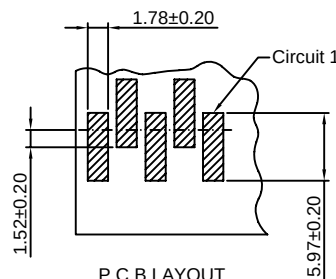
Ordering Information:

A2543WVB-S-XP - *** - ** - *
1 2 3 4

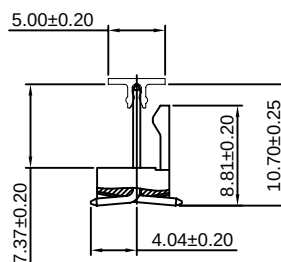
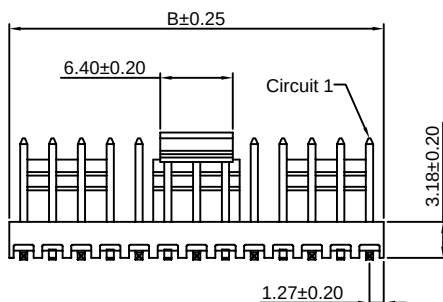
- Part No.
- Material:
(Blank): LCP, UL94V-0
GWT: LCP, UL94V-0, GWT 750 °C
- Color:
(blank): Ivory
BK: Black
- Finish:
(blank): Tin over Nickel
G: Gold over Nickel



TYPICAL END VIEW
FOR 2P THRU 7P



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions			
	A	B	C	D
2P	2.54	5.08	----	----
3P	5.08	7.62	----	----
4P	7.62	10.16	----	----
5P	10.16	12.70	----	----
6P	12.70	15.24	----	----
7P	15.24	17.78	----	----
8P	17.78	20.32	2.54	----
9P	20.32	22.86	5.08	----
10P	22.86	25.40	7.62	----
11P	25.40	27.94	10.16	----
12P	27.94	30.48	12.70	7.62
13P	30.48	33.02	15.24	7.62
14P	33.02	35.56	17.78	12.70
15P	35.56	38.10	20.32	12.70
16P	38.10	40.64	22.86	12.70
17P	40.64	43.18	25.40	12.70
18P	43.18	45.72	27.94	12.70

Unit: mm