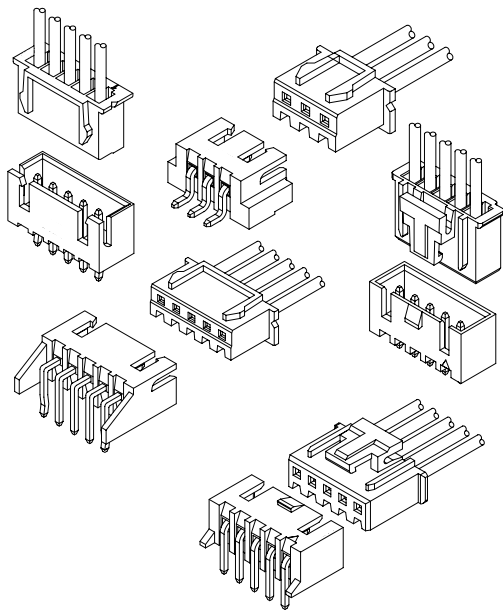




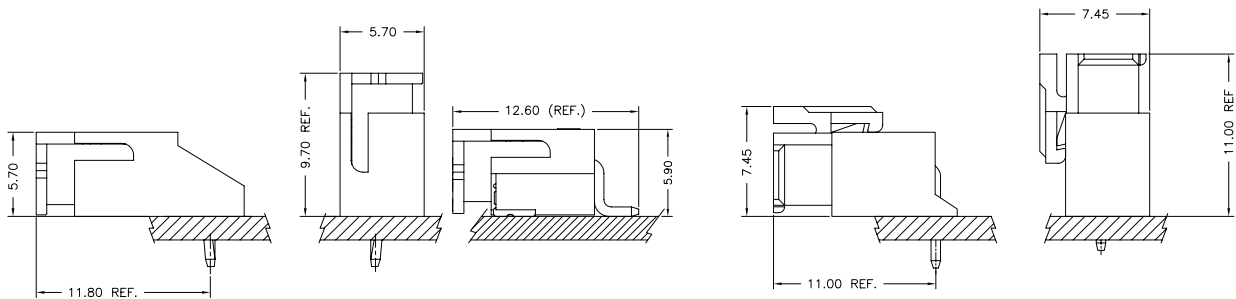
Specifications

Current Rating: 1.5A~3A AC,DC(Per Pin)
Voltage Rating: 250V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 10mΩ Max.
Insulation Resistance: 1000MΩ Min.
Withstanding Voltage: 1000V AC/minute

A
B
C
F

Standards

Assembly Layout



Ordering Code

① ② ③ ④ ⑤
A2501-X X X-X

- ① Series No.
- ② Plating Code: T=Tin-Plated
- ③ Material: P=Phosphor Bronze, B=Brass
- ④ E=Stamping Before Plating
- ⑤ Option Code:(Refer to Drawings)

① ② ③ ④
A2501 X X-XP

- ① Series No.
- ② Housing Type: H=Housing
- ③ Blank=Normal Type, B=B Type
- ④ No. of Circuits

① ② ③ ④ ⑤
A2501 XX X-X-XP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Blank=Normal Type, A=A Type, B= B Type, R=Right Angle Type
- ④ Blank=Normal Type, F=With Post, S=SMT
- ⑤ No. of Circuits



A2501 SERIES

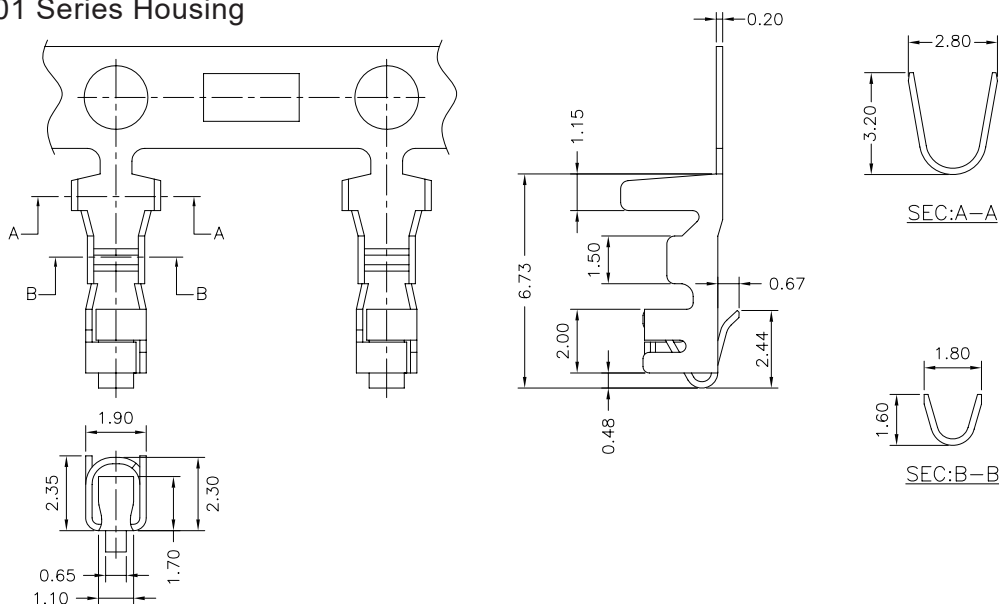
2.50mm Pitch Wire to Board Connector

A2501-XXX

2.50mm Pitch Crimp Terminal

Reference Information:

*Used in A2501 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A2501-TBE	AWG#22-#28	1.90mm(Max)	Brass	Tin-Plated	8,000Pcs
A2501-TPE	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Tin-Plated	8,000Pcs

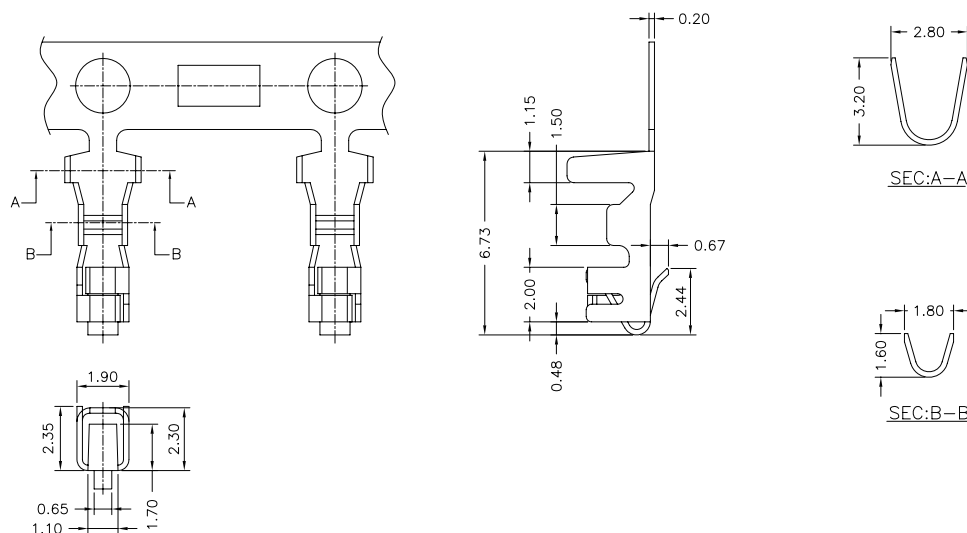
Note:E-Stamping Before Plating

A2501-XXX

2.50mm Pitch Crimp Terminal

Reference Information:

*Used in A2501 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A2501-TBE-A	AWG#22-#28	1.90mm(Max)	Brass	Tin-Plated	8,000Pcs
A2501-TPE-A	AWG#22-#28	1.90mm(Max)	Phosphor Bronze	Tin-Plated	8,000Pcs

Note:E-Stamping Before Plating



A2501 SERIES

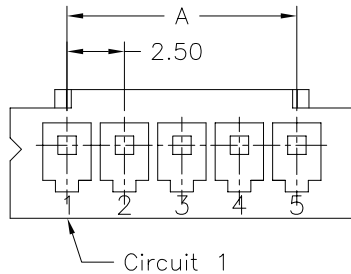
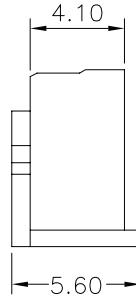
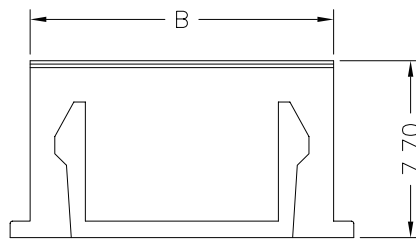
2.50mm Pitch Wire to Board Connector

A2501H

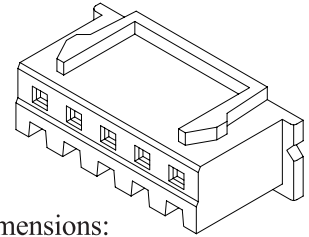
2.50mm Pitch Housing

Reference Information:

- *Material: Thermoplastic
- *Suitable A2501 Series Terminal
- *Mates with A2501 Series Wafer



A2501H-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	5.70
03	5.00	8.20
04	7.50	10.70
05	10.00	13.20
06	12.50	15.70
07	15.00	18.20
08	17.50	20.70
09	20.00	23.20
10	22.50	25.70
11	25.00	28.20
12	27.50	30.70
13	30.00	33.20
14	32.50	35.70
15	35.00	38.20
16	37.50	40.70
17	40.00	43.20
18	42.50	45.70
19	45.00	48.20
20	47.50	50.70

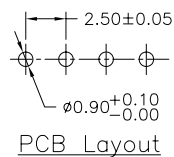
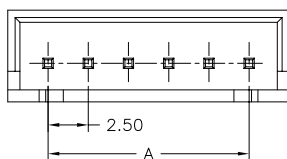
Unit:mm

A2501WV

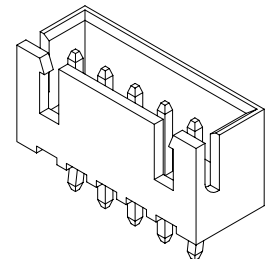
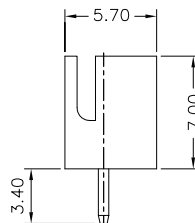
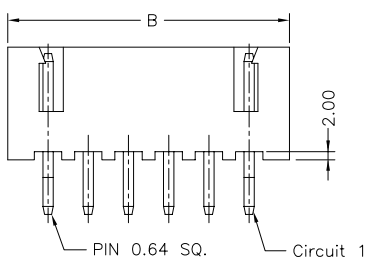
2.50mm Pitch 180° Wafer

Reference Information:

- *Material: Pin: Copper Alloy
Wafer: Thermoplastic
- *Mates with A2501H Series Housing



A2501WV-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Unit:mm



A2501 SERIES

2.50mm Pitch Wire to Board Connector

A2501WV-F

2.50mm Pitch 180° Wafer with Post

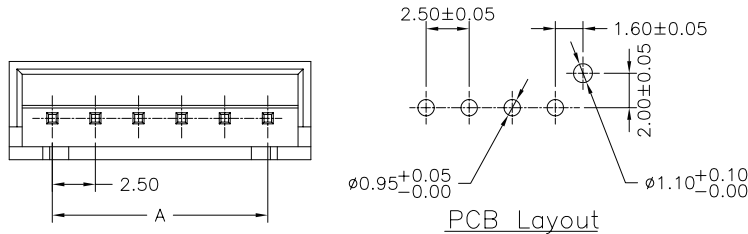
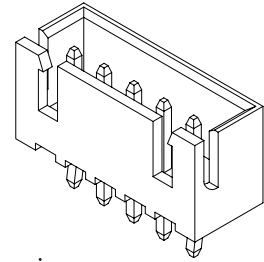
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2501H Series Housing

A2501WV-F-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Unit:mm

A2501WR

2.50mm Pitch 90° Wafer

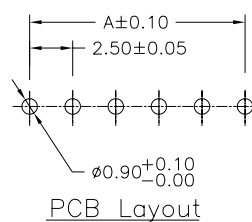
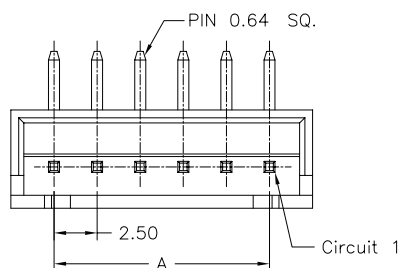
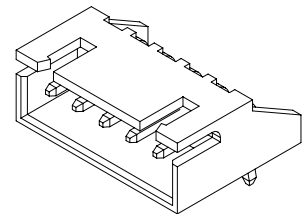
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2501H Series Housing

A2501WR-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Unit:mm



A2501 SERIES

2.50mm Pitch Wire to Board Connector

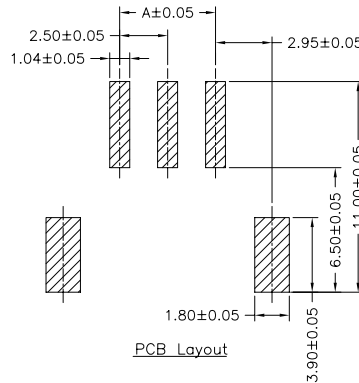
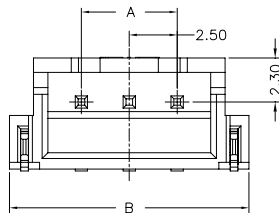
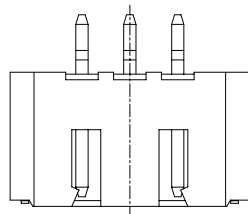
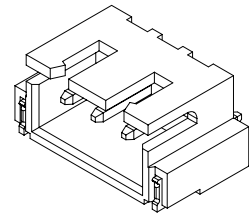
A2501WR-S

2.50mm Pitch 90° Wafer - SMT Type

Reference Information:

- *Material: Pin: Copper Alloy
Wafer: Thermoplastic
Solder Tabs: Copper Alloy
- *Mates with A2501H Series Housing

A2501WR-S-XP						
①	②	③	④	⑤	⑥	⑦
①	②	③	④	⑤	⑥	⑦
① Halogen Free or Not ② Material ③ Color ④ Plating Code for Contacts ⑤ Plating Code ⑥ Option Code ⑦ Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	10.00
03	5.00	12.50
04	7.50	15.00
05	10.00	17.50
06	12.50	20.00
07	15.00	22.50
08	17.50	25.00
09	20.00	27.50
10	22.50	30.00
11	25.00	32.50
12	27.50	35.00
13	30.00	37.50
14	32.50	40.00
15	35.00	42.50

Unit:mm

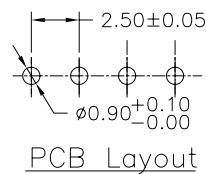
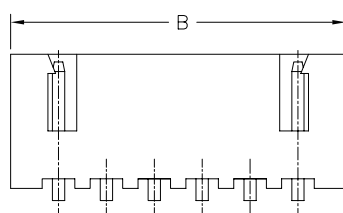
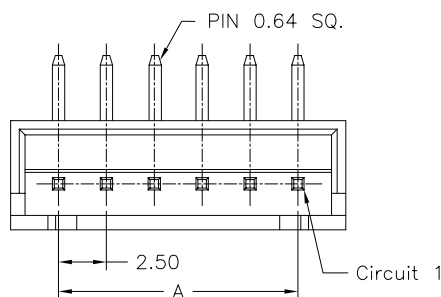
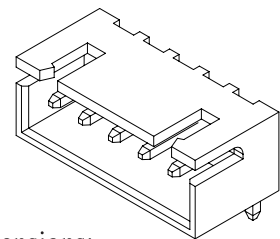
A2501WVR

2.50mm Pitch 90° Wafer

Reference Information:

- *Material: Pin: Copper Alloy
Wafer: Thermoplastic
- *Mates with A2501H Series Housing

A2501WVR-XP						
①	②	③	④	⑤	⑥	⑦
①	②	③	④	⑤	⑥	⑦
① Halogen Free or Not ② Material ③ Color ④ Plating Code for Contacts ⑤ Plating Code ⑥ Option Code ⑦ Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Unit:mm



A2501WVA

2.50mm Pitch 180° Wafer

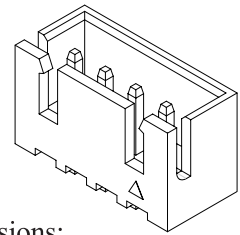
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2501H Series Housing

A2501WVA-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00
16	37.50	42.50
17	40.00	45.00
18	42.50	47.50
19	45.00	50.00
20	47.50	52.50

Unit:mm

A2501HB

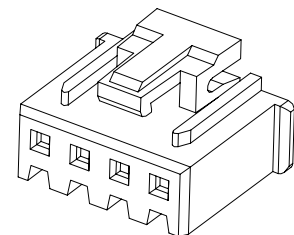
2.50mm Pitch Housing - Lock Type

Reference Information:

*Material: Thermoplastic

*Suitable A2501 Series Terminal

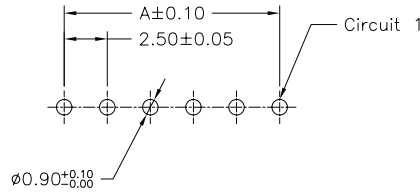
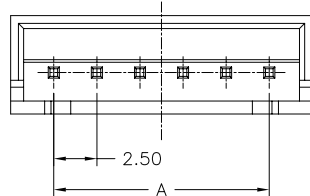
*Mates with A2501WVB or A2501WRB Series Wafer



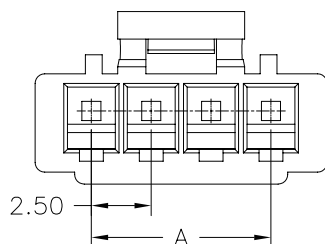
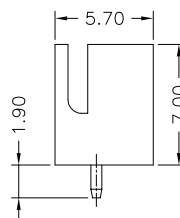
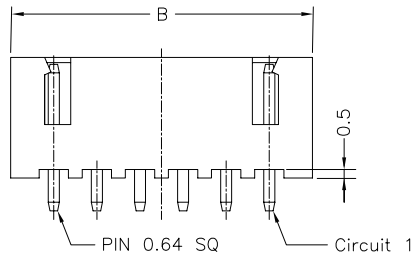
Dimensions:

Circuit No.	Dimensions		
	A	B	C
02	2.50	5.70	7.20
03	5.00	8.20	9.70
04	7.50	10.70	12.20
05	10.00	13.20	14.70
06	12.50	15.70	17.20
07	15.00	18.20	19.70
08	17.50	20.70	22.20
09	20.00	23.20	24.70
10	22.50	25.70	27.20
11	25.00	28.20	29.70
12	27.50	30.70	32.20
13	30.00	33.20	34.70
14	32.50	35.70	37.20
15	35.00	38.20	39.70

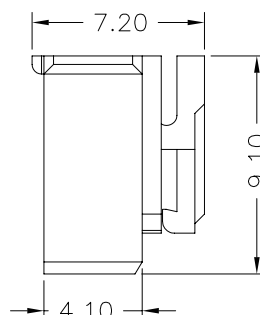
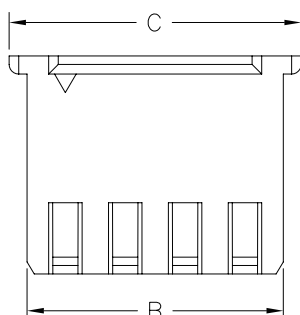
Unit:mm



PCB Layout



A2501HB-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						





A2501 SERIES

2.50mm Pitch Wire to Board Connector

A2501WVB

— 2.50mm Pitch 180° Wafer —

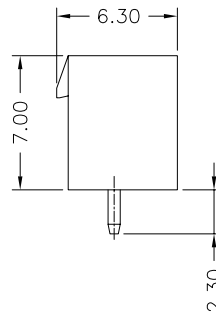
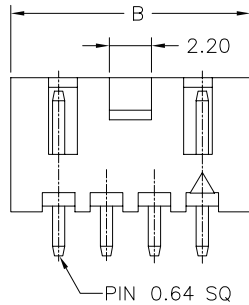
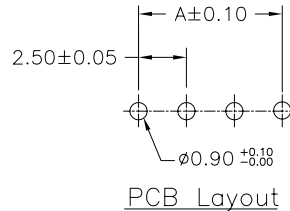
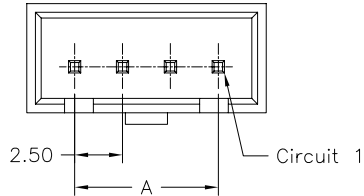
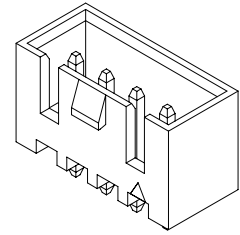
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2501HB Series Housing

A2501WVB-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00

Unit:mm

A2501WRB

— 2.50mm Pitch 90° Wafer —

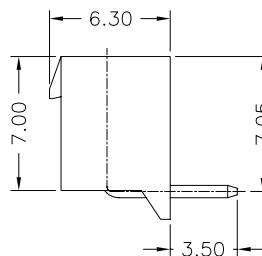
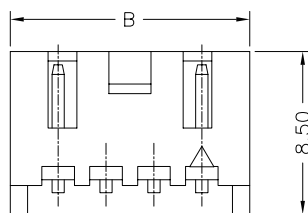
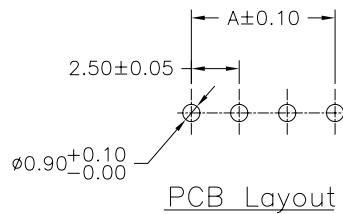
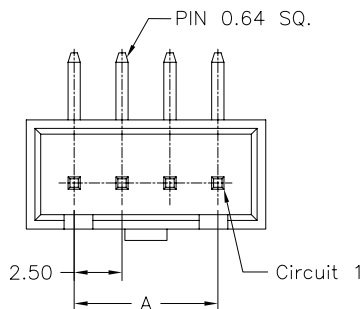
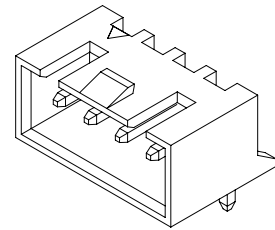
Reference Information:

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A2501HB Series Housing

A2501WRB-S-XP	X	X	X	XX	X	XX	X
	①	②	③	④	⑤	⑥	⑦
①	Halogen Free or Not						
②	Material						
③	Color						
④	Plating Code for Contacts						
⑤	Plating Code						
⑥	Option Code						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	2.50	7.50
03	5.00	10.00
04	7.50	12.50
05	10.00	15.00
06	12.50	17.50
07	15.00	20.00
08	17.50	22.50
09	20.00	25.00
10	22.50	27.50
11	25.00	30.00
12	27.50	32.50
13	30.00	35.00
14	32.50	37.50
15	35.00	40.00

Unit:mm

A
B
C
F