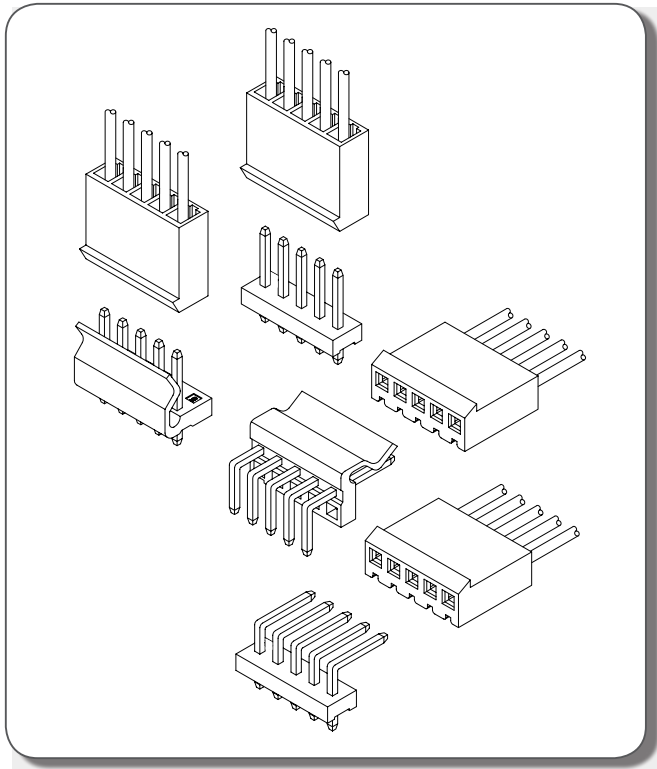




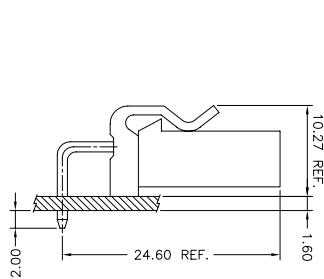
Specifications

Current Rating: 3A~7A 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: 1500V AC/minute

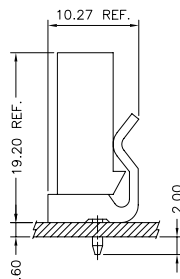
A
B
C
F

Standards

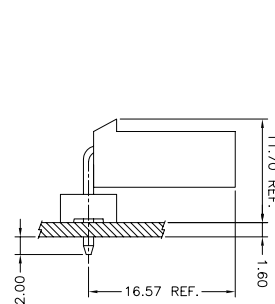
Assembly Layout



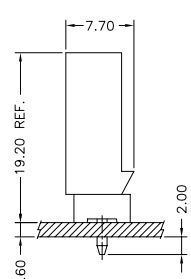
A3961WR



A3961WV



A3961WRA



A3961WVA

Ordering Code

① ② ③ ④ ⑤
A3961-X X X-X

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

① ② ③ ④
A3961 XX X-XP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Blank=With Locking Ramp,
A=Without Locking Ramp
- ④ No. of Circuits

① ② ③
A3961 X-XP

- ① Series No.
- ② Housing Type: H=Housing
- ③ No. of Circuits



A3961 SERIES

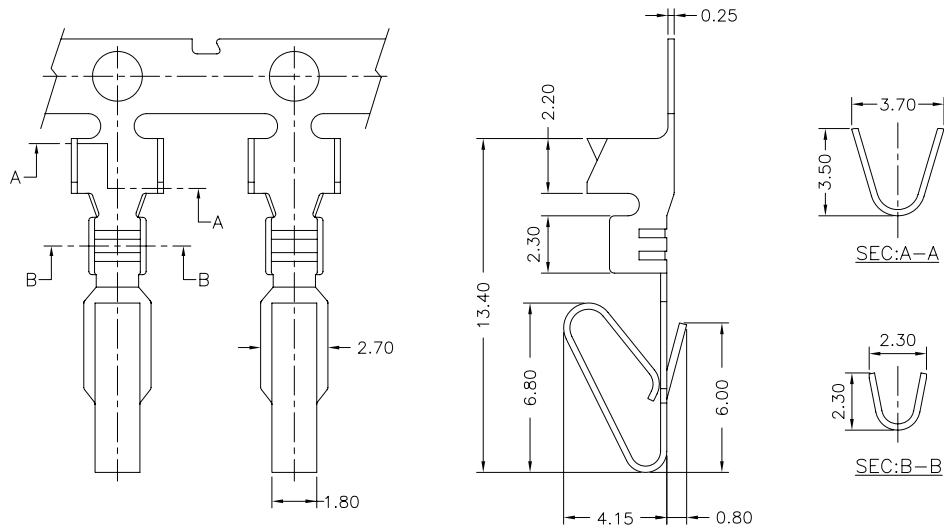
3.96mm Pitch Wire to Board Connector

A3961-XXX

3.96mm Pitch Crimp Terminal

Reference Information:

*Used in A3961 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A3961-TBE	AWG#18-#24	2.80mm(Max)	Brass	Tin-Plated	6,000Pcs
A3961-GBE	AWG#18-#24	2.80mm(Max)	Brass	Gold-Plated	6,000Pcs
A3961-HBE-G4	AWG#18-#24	2.80mm(Max)	Brass	Gold-Plated 10u"	6,000Pcs

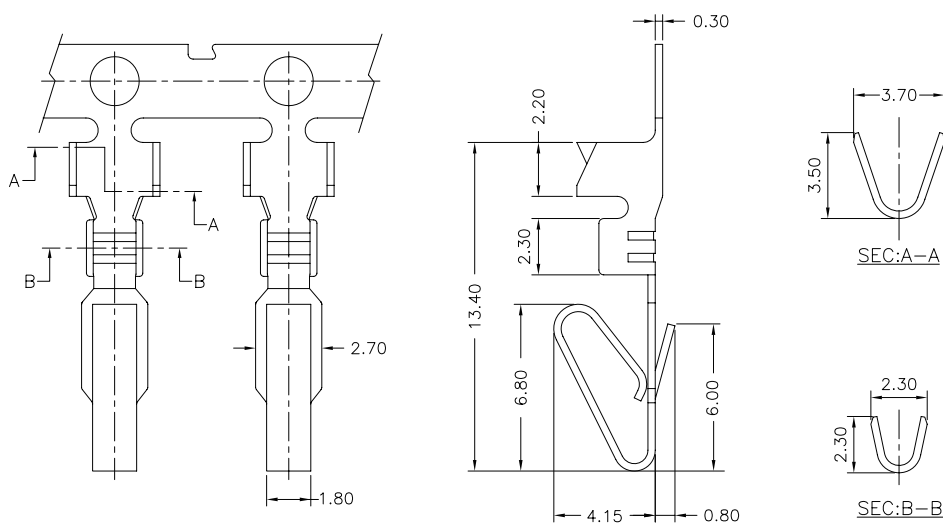
Note:E-Stamping Before Plating

A3961-XXX

3.96mm Pitch Crimp Terminal

Reference Information:

*Used in A3961 Series Housing



Ordering Information & Specifications:

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A3961-TBE-S1	AWG#18-#24	2.80mm(Max)	Brass	Tin-Plated	6,000Pcs

Note:E-Stamping Before Plating

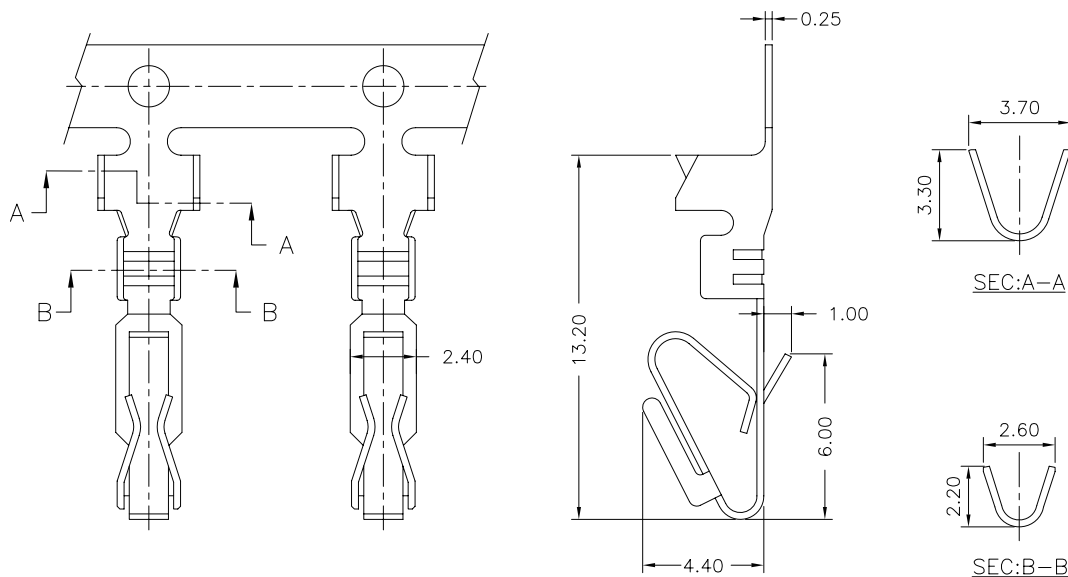
Unit:mm

A 3 9 6 1 - X X X

-3.96mm Pitch Crimp Terminal

Reference Information:

*Used in A3961 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A3961-TB-1	AWG#18-#24	2.80mm(Max)	Brass	Tin-Plated	6,000Pcs

Note:E-Stamping Before Plating

A 3 9 6 1 - H

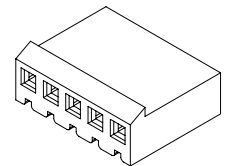
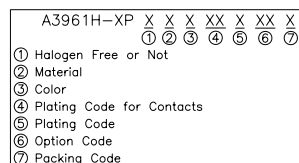
-3.96mm Pitch Housing

Reference Information:

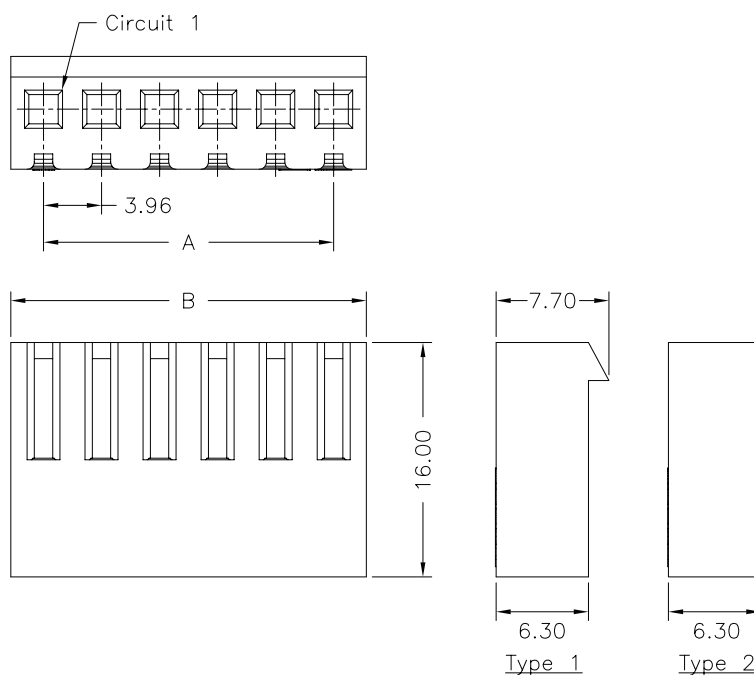
*Material: Thermoplastic

*Suitable A3961 Series Terminal

*Mates with A3961 or A7901 Series Wafer



Dimensions:



Circuit No.	Dimensions	
	A	B
02	3.96	8.43
03	7.92	12.39
04	11.88	16.35
05	15.84	20.31
06	19.80	24.27
07	23.76	28.23
08	27.72	32.19
09	31.68	36.15
10	35.64	40.11
11	39.60	44.07
12	43.56	48.03
13	47.52	51.99
14	51.48	55.95
15	55.44	59.91
16	59.40	63.87
17	63.36	67.83
18	67.32	71.79
19	71.28	75.75
20	75.24	79.71

Unit:mm



A3961 SERIES

3.96mm Pitch Wire to Board Connector

A3961WV

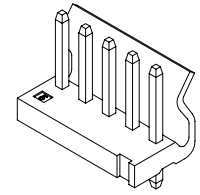
— 3.96mm Pitch 180° Wafer —

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A3961 or A3964 Series Housing

A3961WV-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	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44
15	55.44	59.40
16	59.40	63.36
17	63.36	67.32
18	67.32	71.28
19	71.28	75.24
20	75.24	79.20

Unit:mm

A3961WR

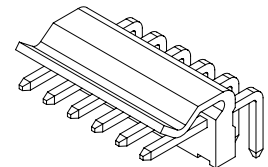
— 3.96mm Pitch 90° Wafer —

*Material: Pin: Copper Alloy

Wafer: Thermoplastic

*Mates with A3961 or A3964 Series Housing

A3961WR-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						

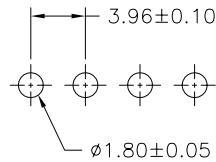
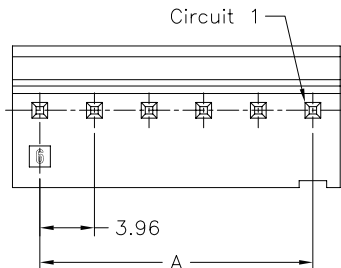


Dimensions:

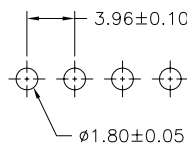
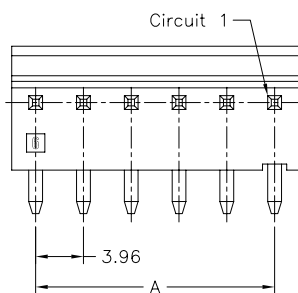
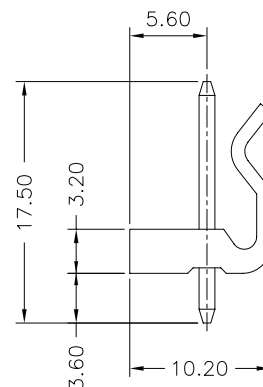
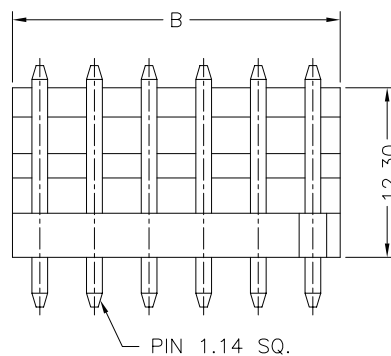
Circuit No.	Dimensions	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44
15	55.44	59.40
16	59.40	63.36
17	63.36	67.32
18	67.32	71.28
19	71.28	75.24
20	75.24	79.20

Unit:mm

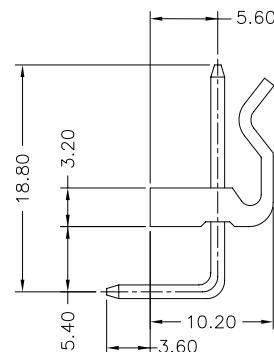
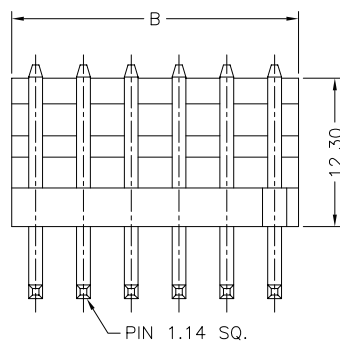
A
B
C
F



PCB Layout



PCB Layout





A3961 SERIES

3.96mm Pitch Wire to Board Connector

A3961WVA

3.96mm Pitch 180° Wafer

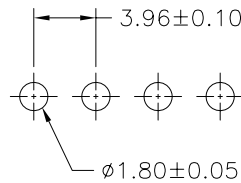
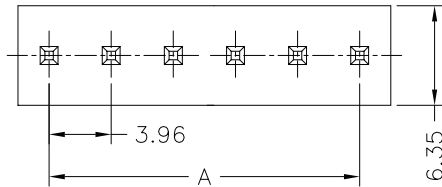
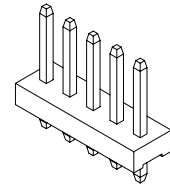
Reference Information:

*Material: Pin: Copper Alloy

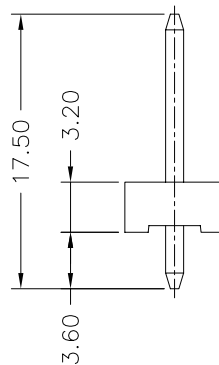
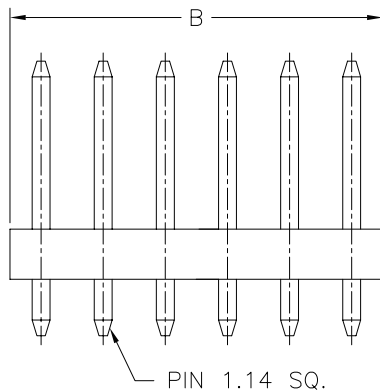
Wafer: Thermoplastic

*Mates with A3961 or A3964 Series Housing

A3961WVA-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						



PCB Layout



Dimensions:

Circuit No.	Dimensions	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44
15	55.44	59.40
16	59.40	63.36
17	63.36	67.32
18	67.32	71.28
19	71.28	75.24
20	75.24	79.20

Unit:mm

A3961WRA

3.96mm Pitch 90° Wafer

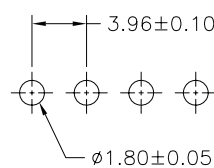
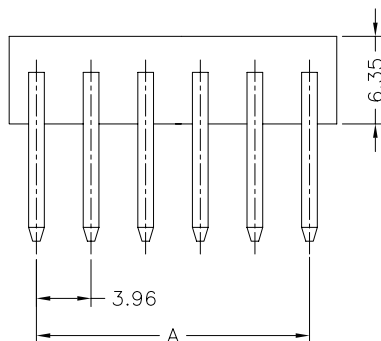
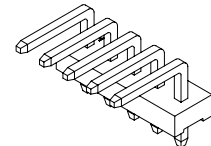
Reference Information:

*Material: Pin: Copper Alloy

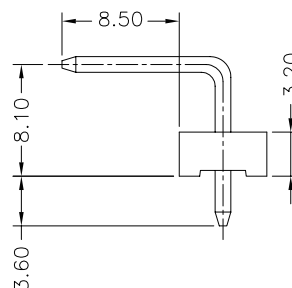
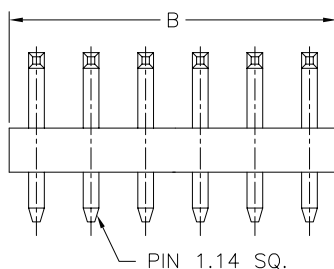
Wafer: Thermoplastic

*Mates with A3961 or A3964 Series Housing

A3961WRA-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						



PCB Layout



Dimensions:

Circuit No.	Dimensions	
	A	B
02	3.96	7.92
03	7.92	11.88
04	11.88	15.84
05	15.84	19.80
06	19.80	23.76
07	23.76	27.72
08	27.72	31.68
09	31.68	35.64
10	35.64	39.60
11	39.60	43.56
12	43.56	47.52
13	47.52	51.48
14	51.48	55.44
15	55.44	59.40
16	59.40	63.36
17	63.36	67.32
18	67.32	71.28
19	71.28	75.24
20	75.24	79.20

Unit:mm