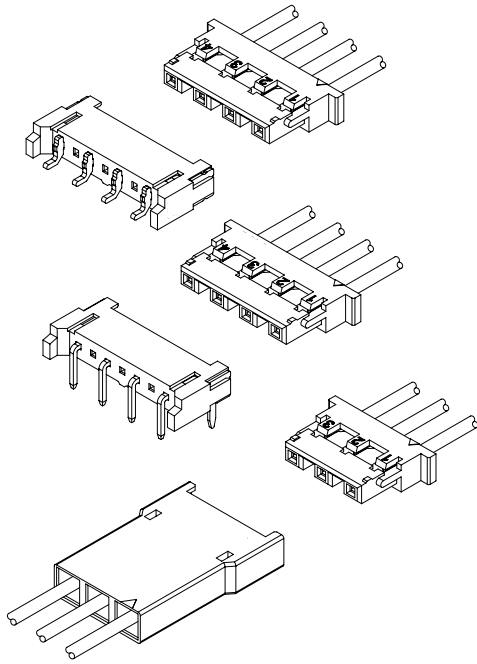




A4001 SERIES

4.00mm Pitch Wire to Board and Wire to Wire Connector



Specifications

Current Rating: 0.8A~1A AC,DC(Per Pin)

Voltage Rating: 600V AC,DC(Per Pin)

Temperature Range: -25°C ~ +85°C

Contact Resistance: 10mΩ Max.

Insulation Resistance: 1000MΩ Min.

Withstanding Voltage: 1800V AC/minute

A

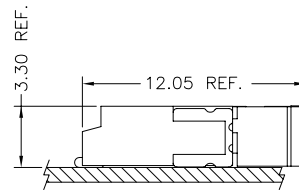
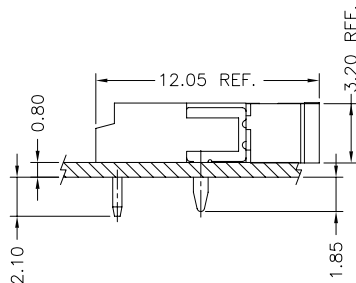
B

C

F

Standards

Assembly Layout



Ordering Code

① ② ③ ④ ⑤
A4001 X-X X X

- ① Series No.
- ② Terminal Type: Blank=Female, M=Male
- ③ Plating Code: T=Tin-Plated
- ④ Material: P=Phosphor Bronze
- ⑤ E=Stamping Before Plating

① ② ③ ④
A4001 X X-XP

- ① Series No.
- ② Housing Type: H=Housing
- ③ Blank=Receptacle, M=Plug
- ④ No. of Circuits

① ② ③ ④
A4001 XX-XX-XP

- ① Series No.
- ② Connector Type: WR=Right Angle
- ③ Mounting Type: Blank=Through Hole
S=SMT, DS=SMT, Square Pin
- ④ No. of Circuits



A4001 SERIES

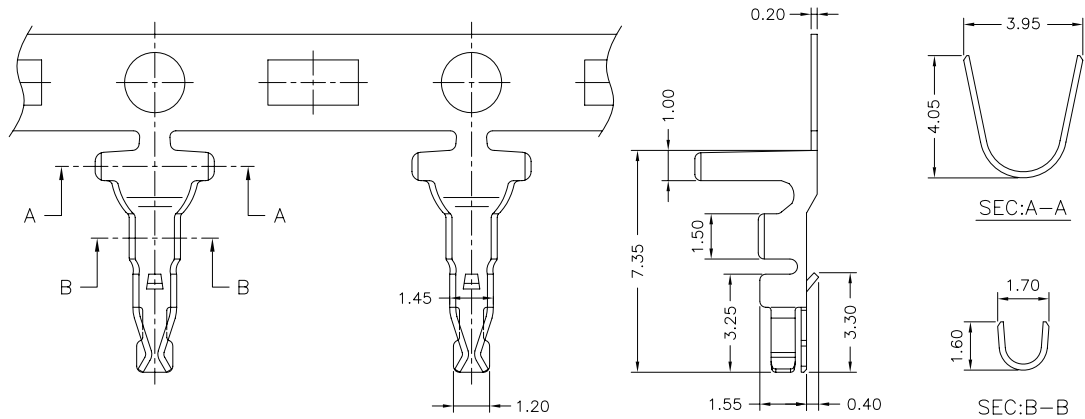
4.00mm Pitch Wire to Board and Wire to Wire Connector

A4001-XXX

4.00mm Pitch Crimp Terminal

Reference Information:

*Used in A4001 H Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A4001-TPE	AWG#22-#28	2.40mm(Max)	Phosphor Bronze	Tin-Plated	5,000Pcs
A4001-TP	AWG#22-#28	2.40mm(Max)	Phosphor Bronze	Tin-Plated	5,000Pcs

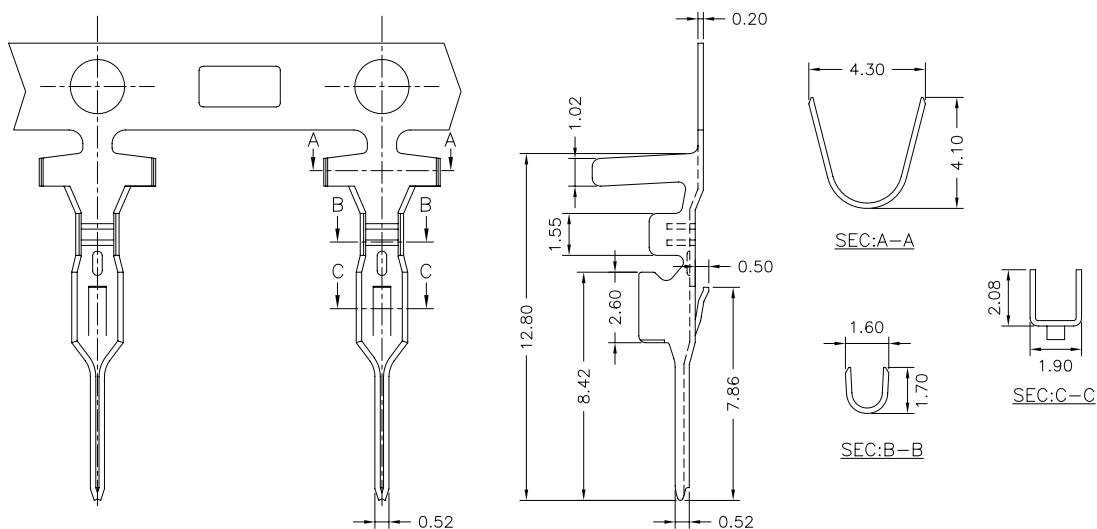
Note:E-Stamping Before Plating

A4001M-XXX

4.00mm Pitch Crimp Terminal

Reference Information:

*Used in A4001HM Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A4001M-TPE	AWG#22-#28	2.40mm(Max)	Phosphor Bronze	Tin-Plated	5,000Pcs

Note:E-Stamping Before Plating



A4001 SERIES

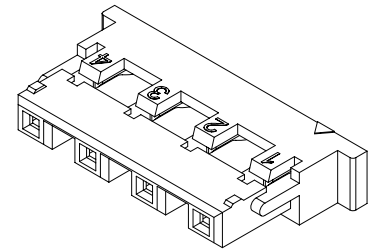
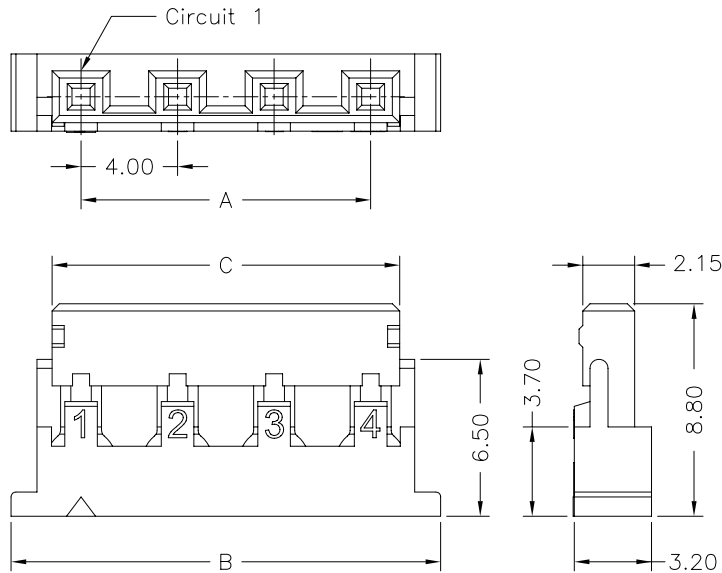
4.00mm Pitch Wire to Board and Wire to Wire Connector

A4001H

4.00mm Pitch Housing

Reference Information:

- *Material: Thermoplastic
- *Suitable A4001 Series Terminal
- *Mates with A4001HM Series Housing or A4001 Series Wafer



A4001H-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	C
02	4.00	9.80	6.40
03	8.00	13.80	10.40
04	12.00	17.80	14.40
05	16.00	21.80	18.40

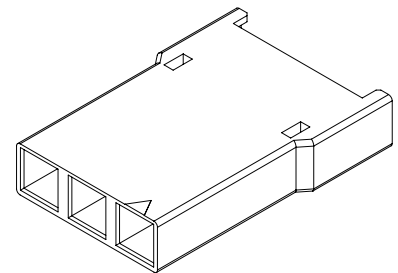
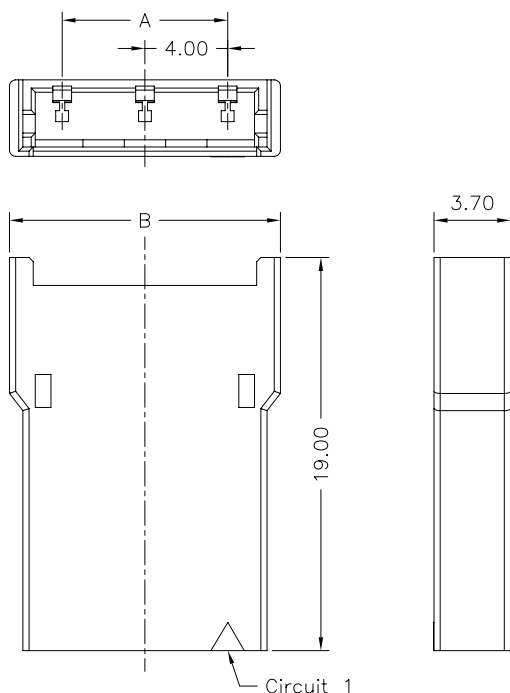
Unit:mm

A4001H

4.00mm Pitch Housing

Reference Information:

- *Material: Thermoplastic
- *Suitable A4001M Series Terminal
- *Mates with A4001H Series Housing



A4001HM-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	4.00	9.10
03	8.00	13.10
04	12.00	17.10
05	16.00	21.10

Unit:mm



A4001 SERIES

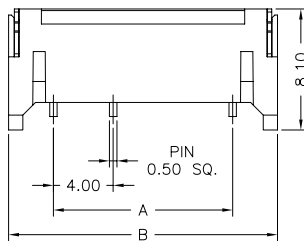
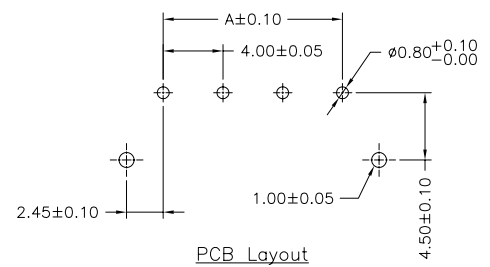
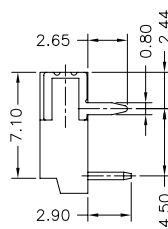
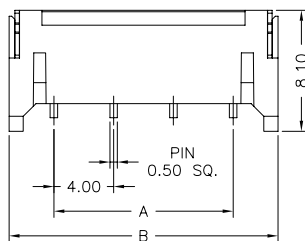
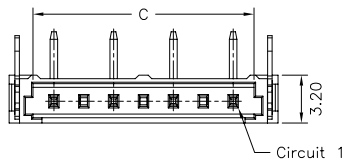
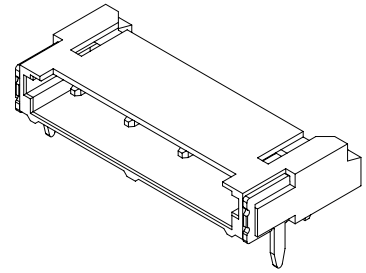
4.00mm Pitch Wire to Board and Wire to Wire Connector

A4001WR

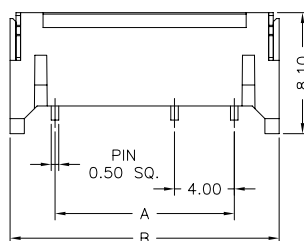
— 4.00mm Pitch 90° Wafer —

Reference Information:

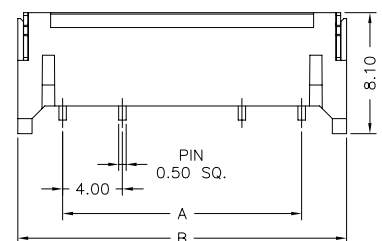
- *Material: Pin: Copper Alloy
Solder Pin: Copper Alloy
Wafer: Thermoplastic
- *Mates with A4001H Series Housing



04PDQ2



04PDQ3



05PDQ3

Dimensions:

PART NO.	Dimensions		
	A	B	C
A4001WR-02PD1	4.00	10.00	6.80
A4001WR-02PD2	8.00	14.00	10.80
A4001WR-02PD3	12.00	18.00	14.80
A4001WR-03PD	8.00	14.00	10.80
A4001WR-04PD	12.00	18.00	14.80
A4001WR-04PDQ2	12.00	18.00	14.80
A4001WR-04PDQ3	12.00	18.00	14.80
A4001WR-05PD	16.00	22.00	18.80
A4001WR-05PDQ3	16.00	22.00	18.80

Unit:mm



A4001 SERIES

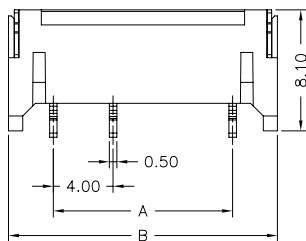
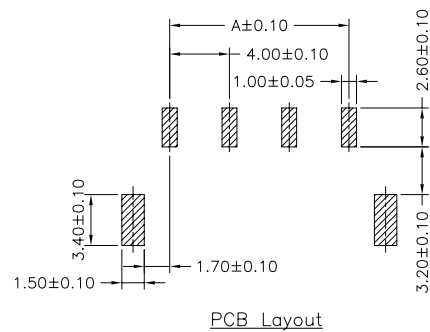
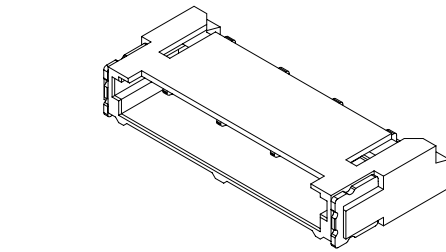
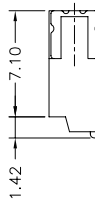
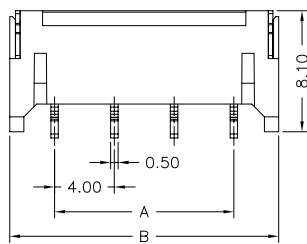
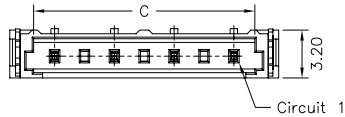
4.00mm Pitch Wire to Board and Wire to Wire Connector

A4001WR-S

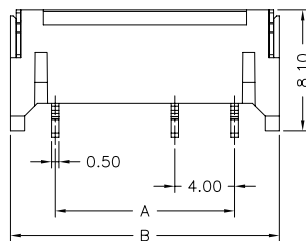
4.00mm Pitch 90° Wafer - SMT Type

Reference Information:

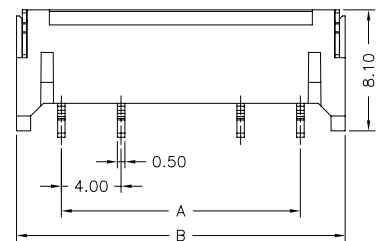
- *Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
- *Mates with A4001H Series Housing



04P137



04P157



05PQ3

Dimensions:

PART NO.	Dimensions		
	A	B	C
A4001WR-S-02P1	4.00	10.00	6.80
A4001WR-S-02P2	8.00	14.00	10.80
A4001WR-S-02P3	12.00	18.00	14.80
A4001WR-S-03P	8.00	14.00	10.80
A4001WR-S-04P	12.00	18.00	14.80
A4001WR-S-04P137	12.00	18.00	14.80
A4001WR-S-04P157	12.00	18.00	14.80
A4001WR-S-05P	16.00	22.00	18.80
A4001WR-S-05PDQ3	16.00	22.00	18.80

Unit:mm

A
B
C
F



A4001 SERIES

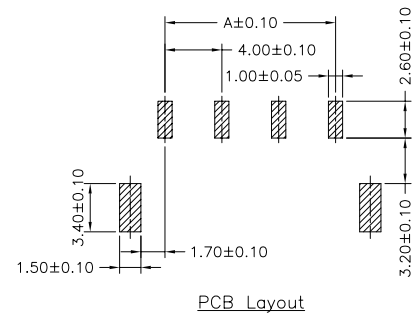
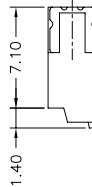
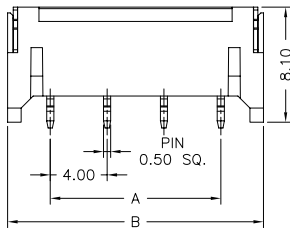
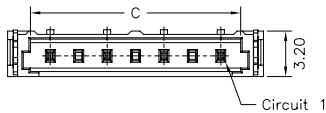
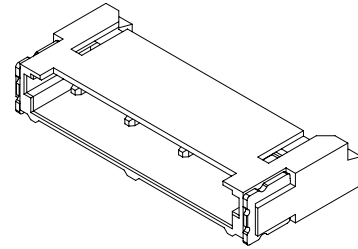
4.00mm Pitch Wire to Board and Wire to Wire Connector

A4001WR-DS

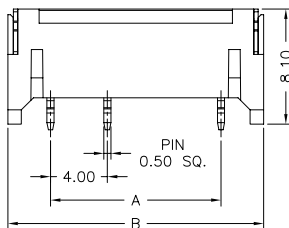
—4.00mm Pitch 90° Wafer - SMT Type—

Reference Information:

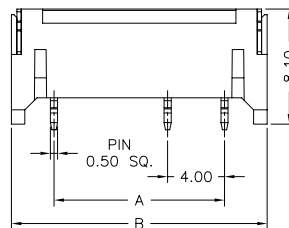
- *Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
- *Mates with A4001H Series Housing



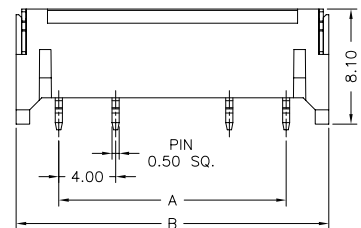
PCB Layout



04PDQ2



04PDQ3



05PDQ3

Dimensions:

PART NO.	Dimensions		
	A	B	C
A4001WR-DS-02PD1	4.00	10.00	6.80
A4001WR-DS-02PD2	8.00	14.00	10.80
A4001WR-DS-02PD3	12.00	18.00	14.80
A4001WR-DS-03PD	8.00	14.00	10.80
A4001WR-DS-04PD	12.00	18.00	14.80
A4001WR-DS-04PDQ2	12.00	18.00	14.80
A4001WR-DS-04PDQ3	12.00	18.00	14.80
A4001WR-DS-05PD	16.00	22.00	18.80
A4001WR-DS-05PDQ3	16.00	22.00	18.80

Unit:mm