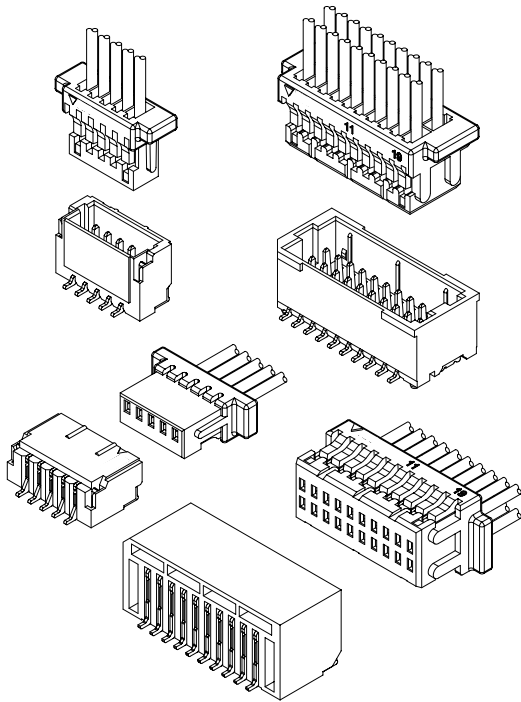




A1002 SERIES

1.00mm Pitch Wire to Board Connector



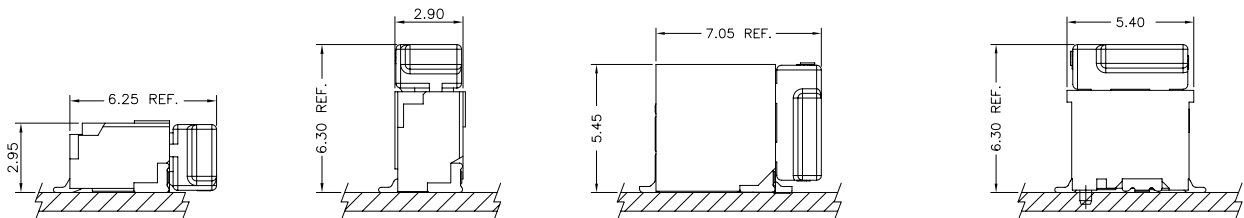
Specifications

Current Rating: 0.5A~1A AC,DC(Per Pin)
Voltage Rating: 50V AC,DC(Per Pin)
Temperature Range: -25°C ~ +85°C
Contact Resistance: 20mΩ Max.
Insulation Resistance: 100MΩ Min.
Withstanding Voltage: 500V AC/minute

A
B
C
F

Standards

Assembly Layout



Ordering Code

① ② ③ ④
A1002 - X X X

- ① Series No.
- ② Plating Code: T=Tin-Plated, G=Gold-Plated
- ③ Material: P=Phosphor Bronze
- ④ E=Stamping Before Plating

① ② ③ ④ ⑤
A1002 X X - 2X - NP

- ① Series No.
- ② Housing Type: H=Housing
- ③ Blank=Normal Type, B=B Type
- ④ Blank=Single Row, 2X=Dual Row
- ⑤ No. of Circuits

① ② ③ ④ ⑤
A1002 XX X - 2X NP

- ① Series No.
- ② Connector Type: WV=Vertical, WR=Right Angle
- ③ Mounting Type: SF=SMT with Post
S=SMT
- ④ Blank=Single Row, 2X=Dual Row
- ⑤ No. of Circuits



A1002 SERIES

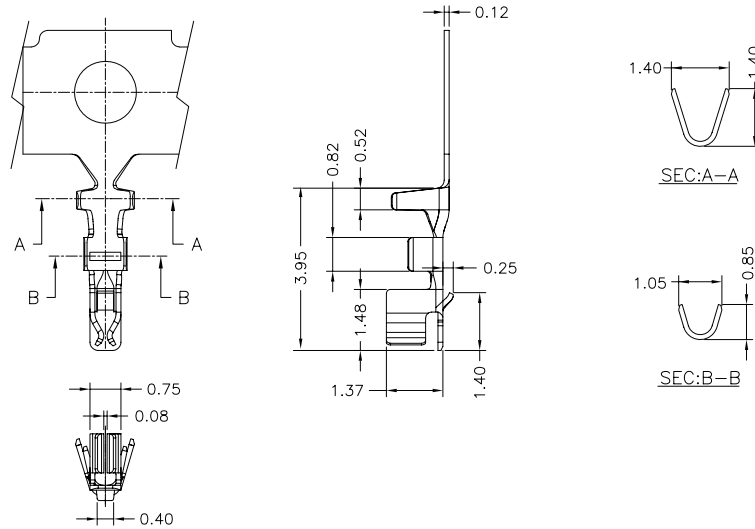
1.00mm Pitch Wire to Board Connector

A1002-XXX

1.00mm Pitch Crimp Terminal

Reference Information:

*Used in A1002 Series Housing



Ordering Information & Specifications:

Unit:mm

Part No.	Wire Range	Insulation O.D.	Material	Finish	Qty/Reel
A1002-TPE-B	AWG#28-#32	0.80mm(Max)	Phosphor Bronze	Tin-Plated	15,000Pcs
A1002-GPE-B	AWG#28-#32	0.80mm(Max)	Phosphor Bronze	Gold-Plated 3u"	15,000Pcs
A1002-GPE-B5	AWG#28-#32	0.80mm(Max)	Phosphor Bronze	Gold-Plated 1u"	15,000Pcs

Note:E-Stamping Before Plating

A1002HB

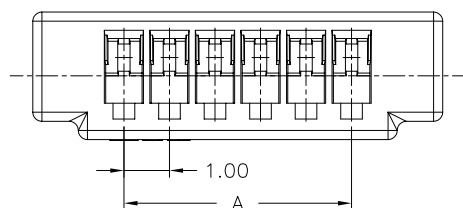
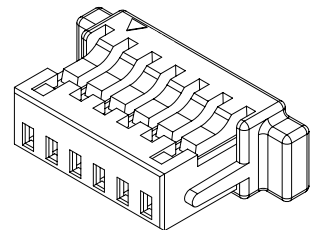
1.00mm Pitch Housing with Ear

Reference Information:

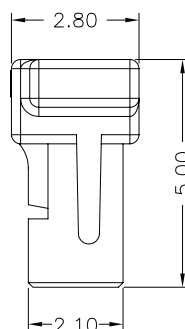
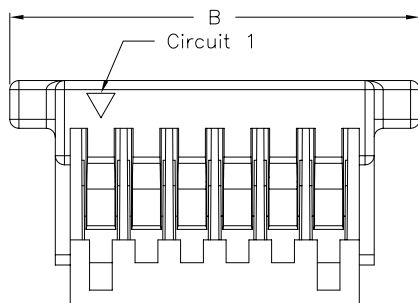
*Material: Thermoplastic

*Suitable A1002 Series Terminal

*Mates with A1002 Series Wafer



A1002HB-XP	X	X	X	XX	X	10	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: 10=With Ear						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	1.00	5.00
03	2.00	6.00
04	3.00	7.00
05	4.00	8.00
06	5.00	9.00
07	6.00	10.00
08	7.00	11.00
09	8.00	12.00
10	9.00	13.00
11	10.00	14.00
12	11.00	15.00
13	12.00	16.00
14	13.00	17.00
15	14.00	18.00
16	15.00	19.00
17	16.00	20.00
18	17.00	21.00
19	18.00	22.00
20	19.00	23.00
24	23.00	27.00

Unit:mm



A1002 SERIES

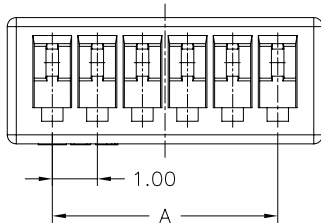
1.00mm Pitch Wire to Board Connector

A1002HB

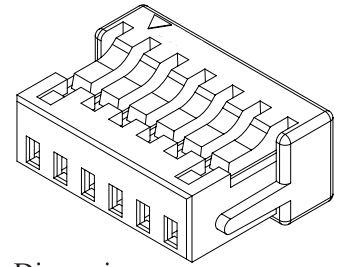
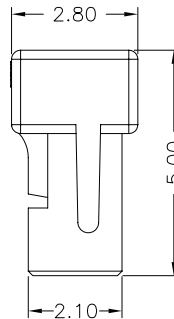
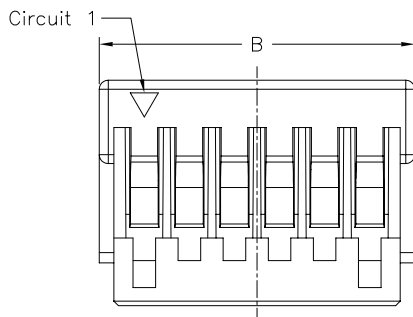
1.00mm Pitch Housing

Reference Information:

- *Material: Thermoplastic
- *Suitable A1002 Series Terminal
- *Mates with A1002 Series Wafer



A1002HB-XP	X	X	X	XX	X	20	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: 20=Without Ear						
⑦	Packing Code						



Dimensions:

Circuit No.	Dimensions	
	A	B
02	1.00	3.00
03	2.00	4.00
04	3.00	5.00
05	4.00	6.00
06	5.00	7.00
07	6.00	8.00
08	7.00	9.00
09	8.00	10.00
10	9.00	11.00
11	10.00	12.00
12	11.00	13.00
13	12.00	14.00
14	13.00	15.00
15	14.00	16.00
16	15.00	17.00
17	16.00	18.00
18	17.00	19.00
19	18.00	20.00
20	19.00	21.00
24	23.00	25.00

Unit:mm

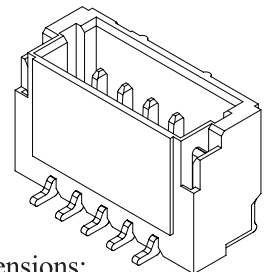
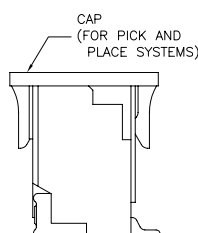
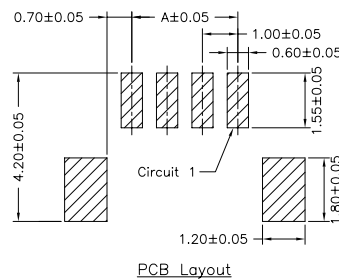
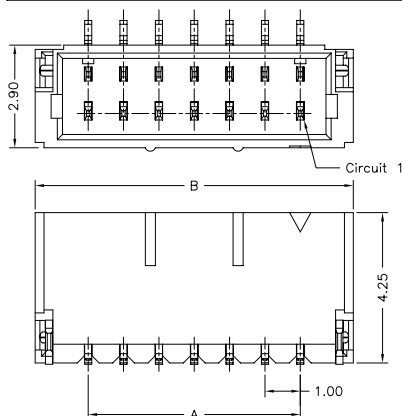
A1002WV-S

1.00mm Pitch 180° Wafer - SMT Type

Reference Information:

- *Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic
Cap: Thermoplastic
- *Mates with A1002 Series Housing

A1002WV-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	1.00	4.00
03	2.00	5.00
04	3.00	6.00
05	4.00	7.00
06	5.00	8.00
07	6.00	9.00
08	7.00	10.00
09	8.00	11.00
10	9.00	12.00
11	10.00	13.00
12	11.00	14.00
13	12.00	15.00
14	13.00	16.00
15	14.00	17.00
16	15.00	18.00
17	16.00	19.00
18	17.00	20.00
19	18.00	21.00
20	19.00	22.00
24	23.00	26.00

Unit:mm



A1002 SERIES

1.00mm Pitch Wire to Board Connector

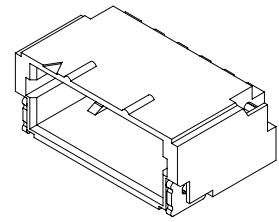
A1002 WR-S

1.00mm Pitch 90° Wafer - SMT Type

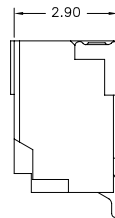
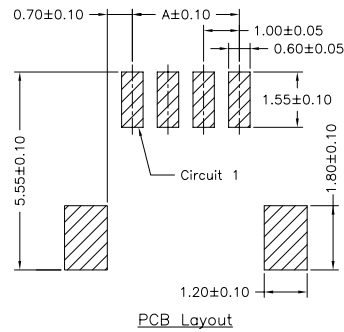
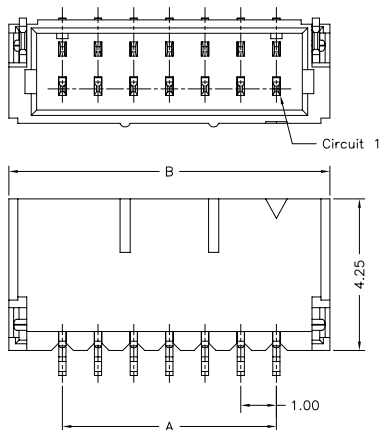
Reference Information:

*Material: Pin: Copper Alloy
Solder Tabs: Copper Alloy
Wafer: Thermoplastic

*Mates with A1002 Series Housing



A1002WR-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	1.00	4.00
03	2.00	5.00
04	3.00	6.00
05	4.00	7.00
06	5.00	8.00
07	6.00	9.00
08	7.00	10.00
09	8.00	11.00
10	9.00	12.00
11	10.00	13.00
12	11.00	14.00
13	12.00	15.00
14	13.00	16.00
15	14.00	17.00
16	15.00	18.00
17	16.00	19.00
18	17.00	20.00
19	18.00	21.00
20	19.00	22.00
24	23.00	26.00

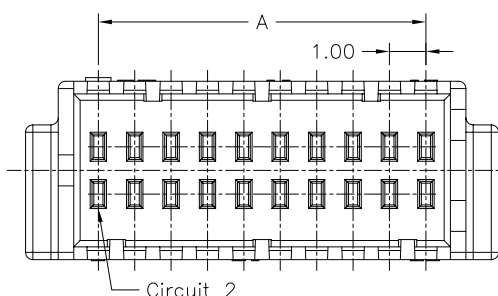
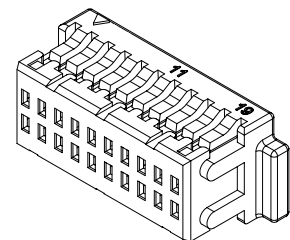
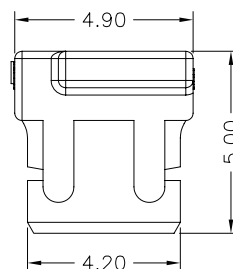
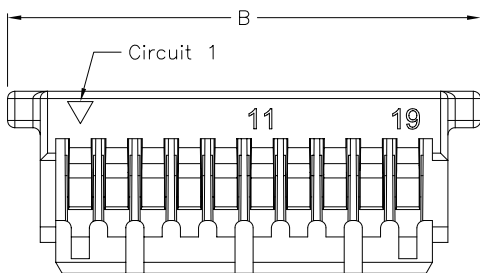
Unit:mm

A1002H B-2

1.00mm Pitch Dual Row Housing

Reference Information:

*Material: Thermoplastic
*Suitable A1002 Series Terminal
*Mates with A1002 Series Dual Row Wafer



A1002HB-2XNP	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
2X05	4.00	8.00
2X06	5.00	9.00
2X08	7.00	11.00
2X09	8.00	12.00
2X10	9.00	13.00
2X15	14.00	18.00
2X20	19.00	23.00
2X25	24.00	28.00

Unit:mm



A1002 SERIES

1.00mm Pitch Wire to Board Connector

A1002WV-S-2

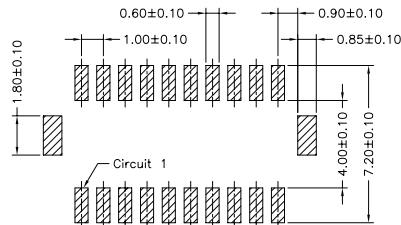
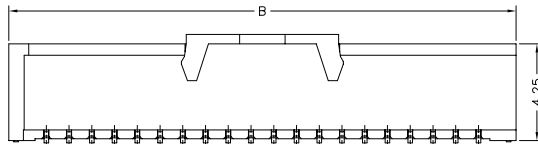
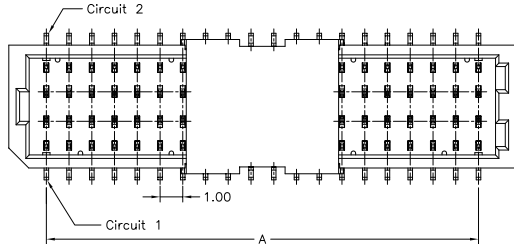
1.00mm Pitch 180° Dual Row Wafer - SMT Type

Reference Information:

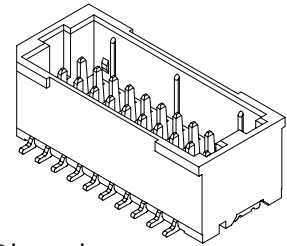
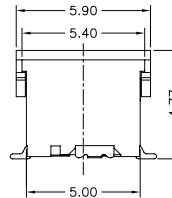
*Material: Pin: Copper Alloy
 Solder Tabs: Copper Alloy
 Wafer: Thermoplastic
 Cap: Thermoplastic

*Mates with A1002 Series Dual Row Housing

A1002WV-S-2XNP	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
2X05	4.00	7.30
2X06	5.00	8.30
2X08	7.00	10.30
2X10	9.00	12.30
2X12	11.00	14.30
2X15	14.00	17.30
2X20	19.00	22.30
2X25	24.00	27.30

Unit:mm

A1002WV-SF-2

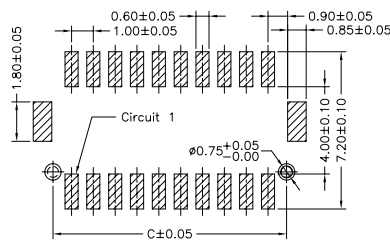
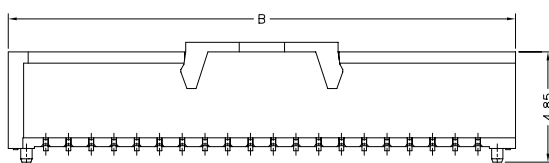
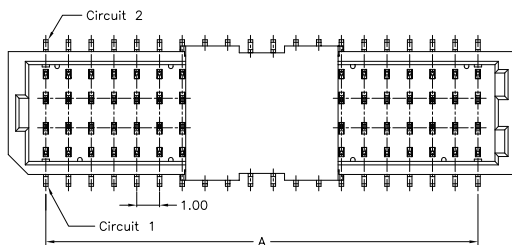
1.00mm Pitch 180° Dual Row Wafer with Post - SMT Type

Reference Information:

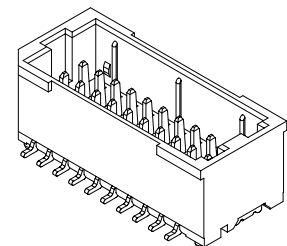
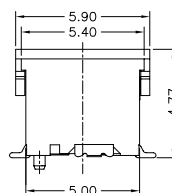
*Material: Pin: Copper Alloy
 Solder Tabs: Copper Alloy
 Wafer: Thermoplastic
 Cap: Thermoplastic

*Mates with A1002 Series Dual Row Housing

A1002WV-SF-2XNP	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	C
2X05	4.00	7.30	5.70
2X06	5.00	8.30	6.70
2X08	7.00	10.30	8.70
2X10	9.00	12.30	10.70
2X12	11.00	14.30	12.70
2X15	14.00	17.30	15.70
2X20	19.00	22.30	20.70
2X25	24.00	27.30	25.70

Unit:mm



A1002 SERIES

1.00mm Pitch Wire to Board Connector

A1002 WR-S-2

1.00mm Pitch 90° Dual Row Wafer - SMT Type

Reference Information:

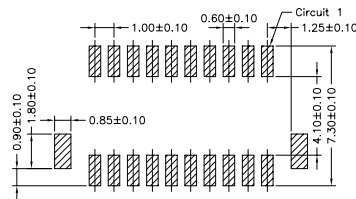
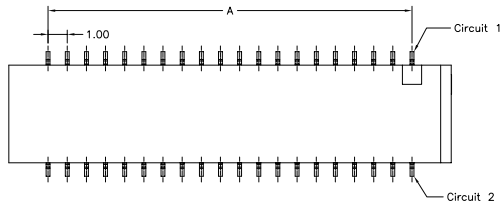
*Material: Pin: Copper Alloy

Solder Tabs: Copper Alloy

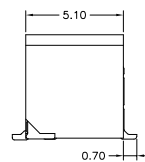
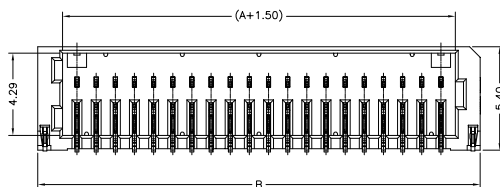
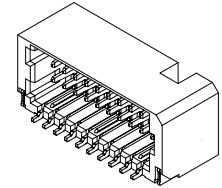
Wafer: Thermoplastic

*Mates with A1002 Series Dual Row Housing

A1002WR-S-2XNP						
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
2X05	4.00	8.10
2X06	5.00	9.10
2X08	7.00	11.10
2X10	9.00	13.10
2X15	14.00	18.10
2X20	19.00	23.10
2X25	24.00	28.10

Unit:mm