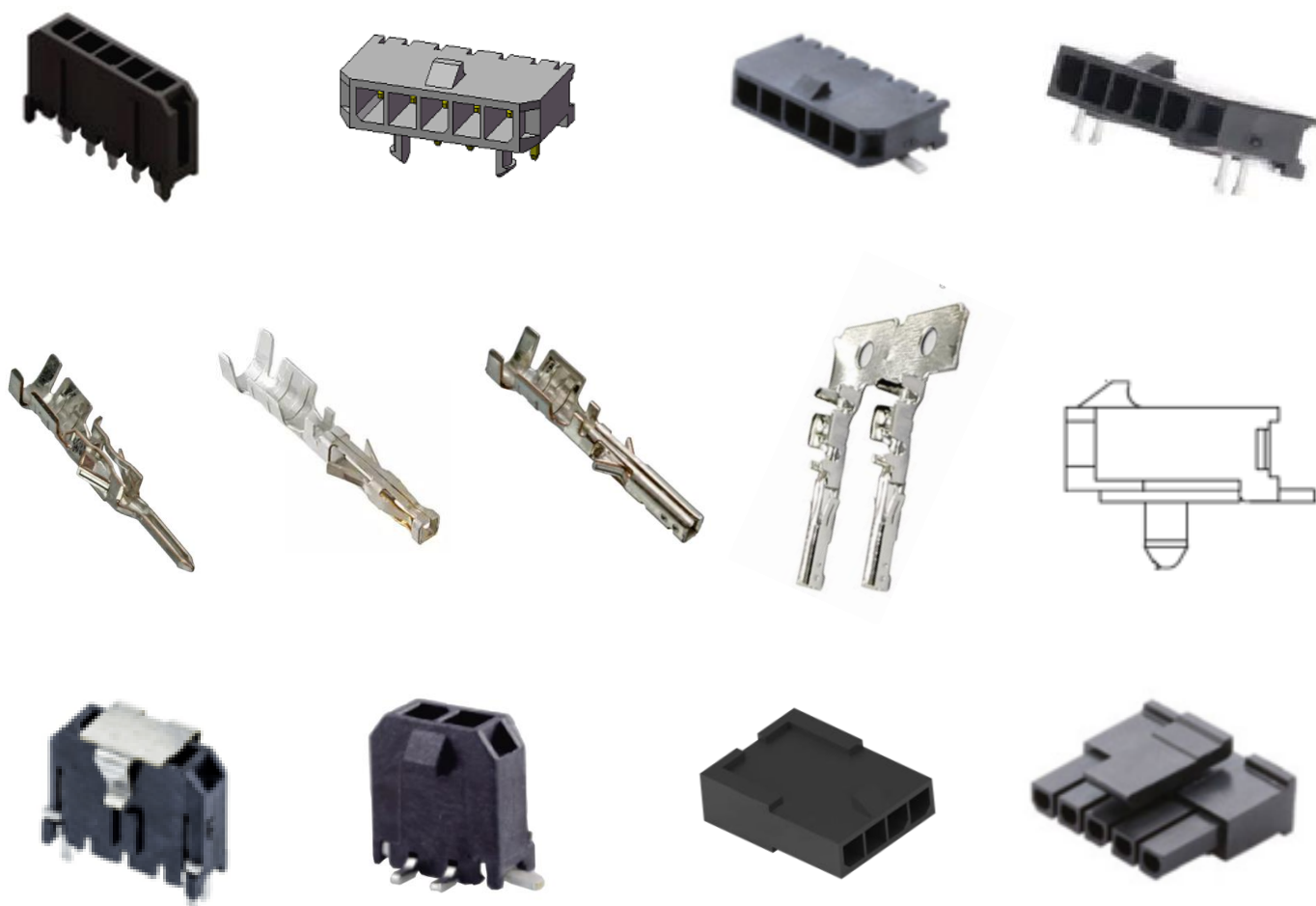


# **.118"(3.00mm) Pitch/Disconnectable Insulation Displacement Connectors**

## **.118"(3.00mm) Connectors**



## .118" (3.00mm) Pitch 90° / 180° Wafer

### Specifications:

#### Material And Finish:

Insulator: Nylon 6T UL94V-0 Color: Black

Contact: Brass

Plated: See Ordering Information

#### Rating:

Current Rating: 8.5 Amp (2P/18AWG)

Voltage Rating: 600V AC/DC

Operating Temperature Range: -40°~+125°C

#### Electrical:

Contact resistance: 10m Ohm Max

Insulator resistance: 1000M ohm min.

Withstanding Voltage: 1500V AC/Minute

# HJBRIGHT®

### Ordering Information

A3001R-XXX-01-C

1 2 3 4 5

1:— Series No.

2:—R/R/A Type

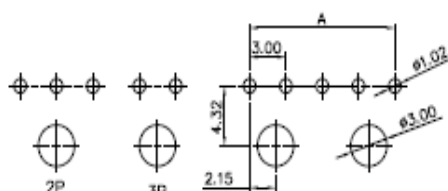
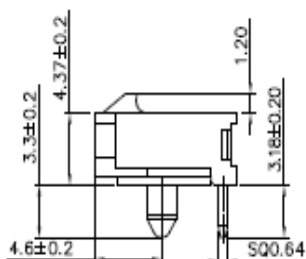
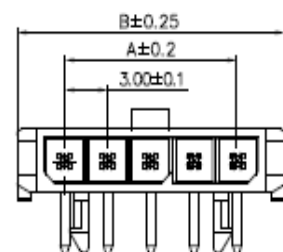
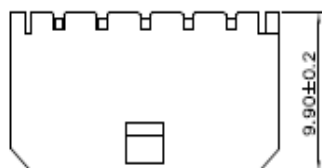
3:—No. of Positions

4:—Q: Tin Plated

A1: Gold flash on

contact; Tin on tail

5:—C: In Tray



Recommended PCB Layout

| CIRCUITS | DIM.A | DIM.B |
|----------|-------|-------|
| 2        | 3.00  | 9.65  |
| 3        | 6.00  | 12.65 |
| 4        | 9.00  | 15.65 |
| 5        | 12.00 | 18.65 |
| 6        | 15.00 | 21.65 |
| 7        | 18.00 | 24.65 |
| 8        | 21.00 | 27.65 |
| 9        | 24.00 | 30.65 |
| 10       | 27.00 | 33.65 |
| 11       | 30.00 | 36.65 |
| 12       | 33.00 | 39.65 |

### Specifications:

#### Material And Finish:

Insulator: PA6T UL94V-0 Color: Black

Contact: Brass

Plated: See Ordering Information

#### Rating:

Current Rating: 8.5 Amp Max (2P/18AWG)

Voltage Rating: 600V AC/DC

Operating Temperature Range: -40°~+125°C

#### Electrical:

Contact resistance: 10m Ohm Max

Insulator resistance: 1000M ohm min.

Withstanding Voltage: 1500V AC/Minute

### Ordering Information

A3001S-XXX-XX-A

1 2 3 4 5 6

1:— Series No.

2:—S: Straight Type

3:—No. of Positions

4:—Q: Tin Plated

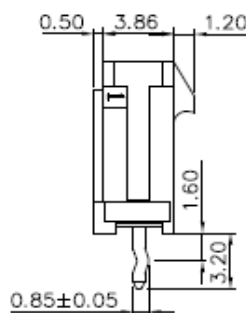
A1: Gold flash on

contact; Tin on tail

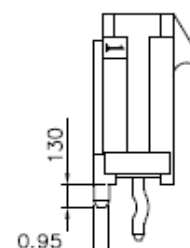
5:—01: A Type

02: B Type

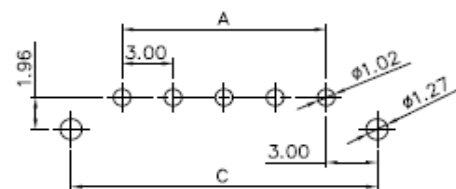
6:—A: In Bag



A Type

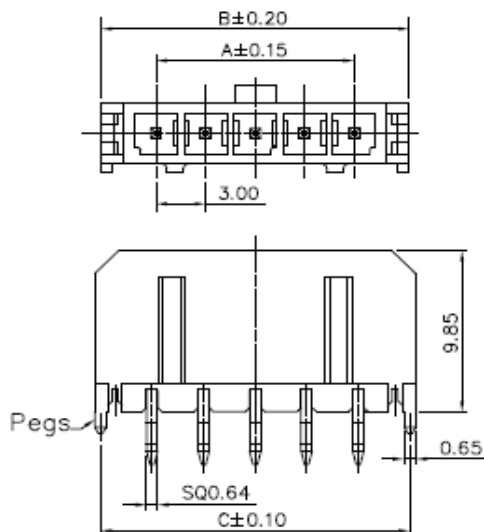


B Type



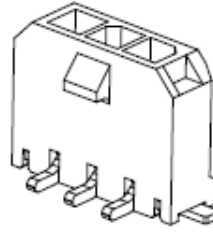
Recommended PCB Layout

| CIRCUITS | DIM.A | DIM.B | DIM.C |
|----------|-------|-------|-------|
| 2        | 3.00  | 9.65  | 9.0   |
| 3        | 6.00  | 12.65 | 12.0  |
| 4        | 9.00  | 15.65 | 15.0  |
| 5        | 12.00 | 18.65 | 18.0  |
| 6        | 15.00 | 21.65 | 21.0  |
| 7        | 18.00 | 24.65 | 24.0  |
| 8        | 21.00 | 27.65 | 27.0  |
| 9        | 24.00 | 30.65 | 30.0  |
| 10       | 27.00 | 33.65 | 33.0  |
| 11       | 30.00 | 36.65 | 36.0  |
| 12       | 33.00 | 39.65 | 39.0  |



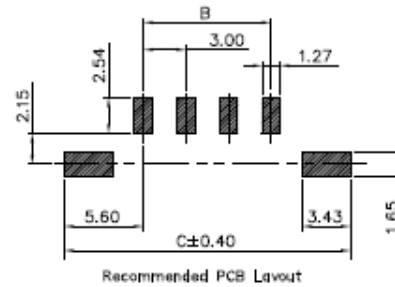
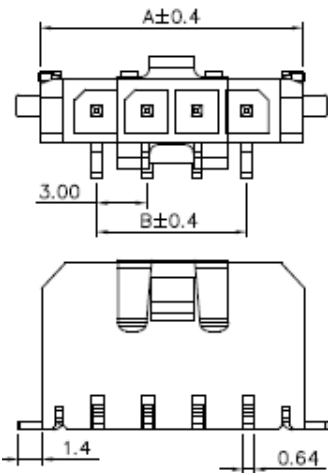
## .118" (3.00mm) Pitch SMT Wafer

Specifications:  
 Material And Finish:  
 Insulator:PA6T/LCP UL94V-0 Color:Black  
 Contact:Brass  
 Plated:See Ordering Information  
 Rating:  
 Current Rating:8.5 Amp Max (2P/18AWG)  
 Voltage Rating:600V AC/DC  
 Operating Temperature Range:  
 PA6T:-40°~+125°C  
 LCP:-55°~+125°C  
 Electrical:  
 Contact resistance:10m Ohm Max  
 Insulator resistance:1000M ohm min.  
 Withstanding Voltage:1500V AC/Minute



Ordering Information  
 A3001M-XXX-01-XX  
 1 2 3 4 5 6

- 1:—Series No.  
 2:—M:SMT Type  
 3:—No. of Positions  
 4:—Q: Tin Plated  
 S: Matte Tin Plated  
 H: Gold flash on contact; Matte Tin on tail  
 L: 15u" Gold on contact; Matte Tin on tail  
 Y: 30u" Gold on contact; Matte Tin on tail  
 5:—N: PA6T  
 C: LCP  
 6:—G: Tape&Reel  
 F: W/CAP In Tape&Reel



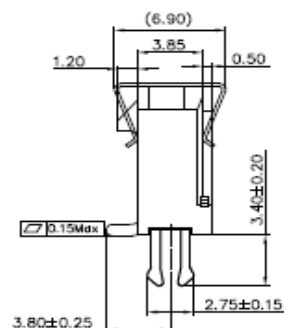
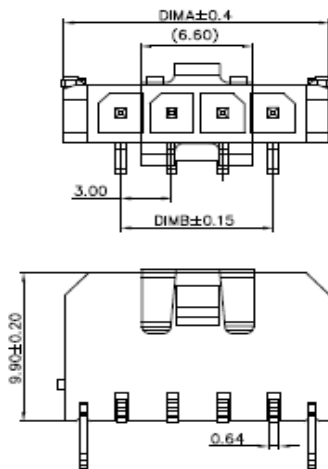
| Poles | Dimensions (mm) |       |       |
|-------|-----------------|-------|-------|
|       | A               | B     | C     |
| 02    | 9.65            | 3.00  | 14.20 |
| 03    | 12.65           | 6.00  | 17.20 |
| 04    | 15.65           | 9.00  | 20.20 |
| 05    | 18.65           | 12.00 | 23.20 |
| 06    | 21.65           | 15.00 | 26.20 |
| 07    | 24.65           | 18.00 | 29.20 |
| 08    | 27.65           | 21.00 | 32.20 |
| 09    | 30.65           | 24.00 | 35.20 |
| 10    | 33.65           | 27.00 | 38.20 |
| 11    | 36.65           | 30.00 | 41.20 |
| 12    | 39.65           | 33.00 | 44.20 |

Specifications:  
 Material And Finish:  
 Insulator:PA6T/LCP UL94V-0 Color:Black  
 Contact:Brass  
 Plated:See Ordering Information  
 Rating:  
 Current Rating:8.5 Amp Max (2P/18AWG)  
 Voltage Rating:600V AC/DC  
 Operating Temperature Range:  
 PA6T:-40°~+125°C  
 LCP:-55°~+125°C  
 Electrical:  
 Contact resistance:10m Ohm Max  
 Insulator resistance:1000M ohm min.  
 Withstanding Voltage:1500V AC/Minute



Ordering Information  
 A3001M-XXX-02-XX  
 1 2 3 4 5 6

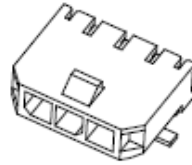
- 1:—Series No.  
 2:—M:SMT Type  
 3:—No. of Positions  
 4:—Q: Tin Plated  
 S: Matte Tin Plated  
 H: Gold flash on contact; Matte Tin on tail  
 L: 15u" Gold on contact; Matte Tin on tail  
 Y: 30u" Gold on contact; Matte Tin on tail  
 5:—N: PA6T  
 C: LCP  
 6:—G: Tape&Reel  
 F: W/CAP In Tape&Reel



| Poles | Dimensions (mm) |       |       |
|-------|-----------------|-------|-------|
|       | A               | B     | C     |
| 02    | 9.65            | 3.00  | 7.30  |
| 03    | 12.65           | 6.00  | 10.30 |
| 04    | 15.65           | 9.00  | 13.30 |
| 05    | 18.65           | 12.00 | 16.30 |
| 06    | 21.65           | 15.00 | 19.30 |
| 07    | 24.65           | 18.00 | 22.30 |
| 08    | 27.65           | 21.00 | 25.30 |
| 09    | 30.65           | 24.00 | 28.30 |
| 10    | 33.65           | 27.00 | 31.30 |
| 11    | 36.65           | 30.00 | 34.30 |
| 12    | 39.65           | 33.00 | 37.30 |

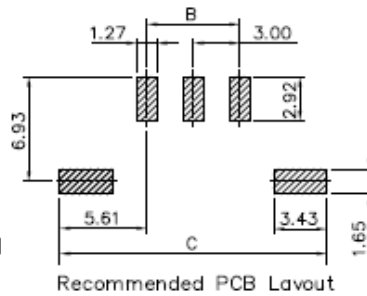
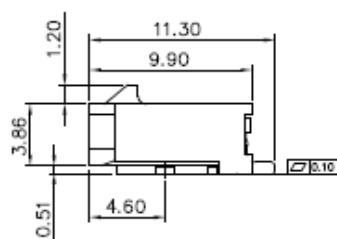
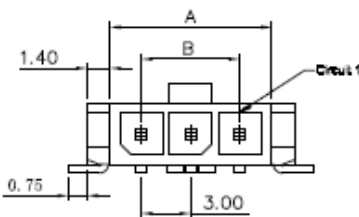
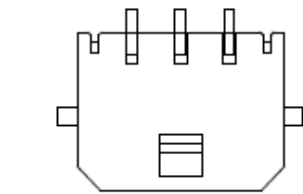
## .118" (3.00mm) Pitch SMT Wafer

Specifications:  
 Material And Finish:  
 Insulator:PA6T/LCP UL94V-0 Color:Black  
 Contact:Brass  
 Plated:See Ordering Information  
 Rating:  
 Current Rating:8.5 Amp Max(2P /18AWG)  
 Voltage Rating:600V AC/DC  
 Operating Temperature Range:  
 PA6T:-40°~+125°C  
 LCP:-55°~+125°C  
 Electrical:  
 Contact resistance:10m Ohm Max  
 Insulator resistance:1000M ohm min.  
 Withstanding Voltage:1500V AC/Minute



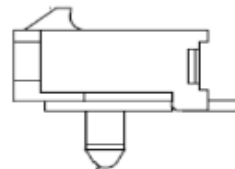
Ordering Information  
 A3001H-XXX-01-XG  
 1 2 3 4 5 6

- 1:—Series No.  
 2:—H:Horizontal SMT Type  
 3:—No. of Positions  
 4:—Q: Tin Plated  
 S: Matte Tin Plated  
 A1: Gold flash on contact; Tin on tail  
 5:—N: PA6T  
 C: LCP  
 6:—G: Tape & Reel



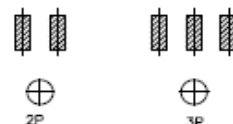
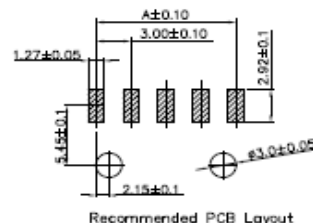
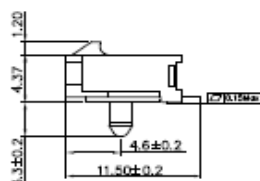
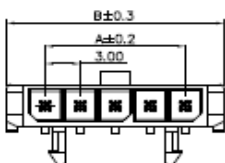
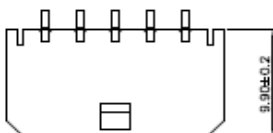
| Poles | Dimensions(mm) |       |       |
|-------|----------------|-------|-------|
|       | A              | B     | C     |
| 2     | 6.85           | 3.00  | 14.20 |
| 3     | 9.85           | 6.00  | 17.20 |
| 4     | 12.85          | 9.00  | 20.20 |
| 5     | 15.85          | 12.00 | 23.20 |
| 6     | 18.85          | 15.00 | 26.20 |
| 7     | 21.85          | 18.00 | 29.20 |
| 8     | 24.85          | 21.00 | 32.20 |
| 9     | 27.85          | 24.00 | 35.20 |
| 10    | 30.85          | 27.00 | 38.20 |
| 11    | 33.85          | 30.00 | 41.20 |
| 12    | 36.85          | 33.00 | 44.20 |

Specifications:  
 Material And Finish:  
 Insulator:PA6T/LCP UL94V-0 Color:Black  
 Contact:Brass  
 Plated:See Ordering Information  
 Rating:  
 Current Rating:8.5 Amp Max (2P /18AWG)  
 Voltage Rating:600V AC/DC  
 Operating Temperature Range:  
 PA6T:-40°~+125°C  
 LCP:-55°~+125°C  
 Electrical:  
 Contact resistance:10m Ohm Max  
 Insulator resistance:1000M ohm min.  
 Withstanding Voltage:1500V AC/Minute



Ordering Information  
 A3001H-XXX-02-XG  
 1 2 3 4 5 6

- 1:—Series No.  
 2:—H:Horizontal SMT Type  
 3:—No. of Positions  
 4:—Q: Tin Plated  
 S: Matte Tin Plated  
 H: Gold flash on contact; Matte Tin on tail  
 L: 15u" Gold on contact; Matte Tin on tail  
 Y: 30u" Gold on contact; Matte Tin on tail  
 5:—N: PA6T  
 C: LCP  
 6:—G: Tape & Reel



| No. | Dimension(mm) |       |
|-----|---------------|-------|
|     | A             | B     |
| 2   | 3.00          | 9.65  |
| 3   | 6.00          | 12.65 |
| 4   | 9.00          | 16.65 |
| 5   | 12.00         | 18.65 |
| 6   | 15.00         | 21.65 |
| 7   | 18.00         | 24.65 |
| 8   | 21.00         | 27.65 |
| 9   | 24.00         | 30.65 |
| 10  | 27.00         | 33.65 |
| 11  | 30.00         | 36.65 |
| 12  | 33.00         | 39.65 |



## .118" (3.00mm) Pitch SMT Wafer / Housing

### Specifications:

#### Material And Finish:

Insulator:PA6T/LCP UL94V-0 Color:Black

Contact:Brass

Plated:See Ordering Information

#### Rating:

Current Rating:8.5 Amp Max (2P/18AWG)

Voltage Rating:600V AC/DC

Operating Temperature Range:

PA6T:-40°~+125°C

LCP:-55°~+125°C

#### Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1500V AC/Minute

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### Ordering Information

A3001H-XXX-03-XG

1 2 3 4 5 6

1:—Series No.

2:—H:Horizontal SMT Type

3:—No. of Positions

4:—Q:Tin Plated

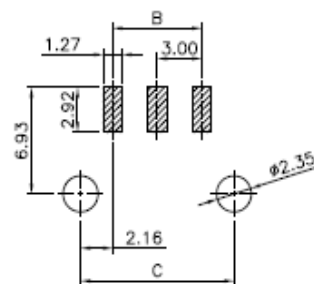
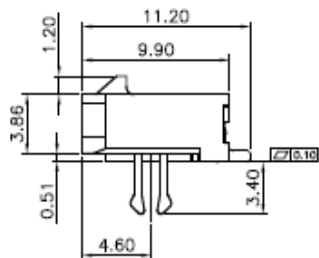
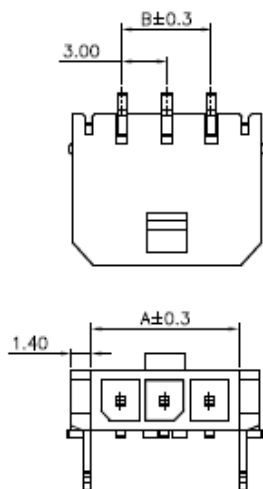
S:Matte Tin Plated

A1:Gold flash on  
contact; Tin on tail

5:—N:PA6T

C:LCP

6:—G:Tape&Reel



Recommended PCB Layout

| Poles | Dimensions(mm) |       |       |
|-------|----------------|-------|-------|
|       | A              | B     | C     |
| 02    | 6.85           | 3.00  | 7.30  |
| 03    | 9.85           | 6.00  | 10.30 |
| 04    | 12.85          | 9.00  | 13.30 |
| 05    | 15.85          | 12.00 | 16.30 |
| 06    | 18.85          | 15.00 | 19.30 |
| 07    | 21.85          | 18.00 | 22.30 |
| 08    | 24.85          | 21.00 | 25.30 |
| 09    | 27.85          | 24.00 | 28.30 |
| 10    | 30.85          | 27.00 | 31.30 |
| 11    | 33.85          | 30.00 | 34.30 |
| 12    | 36.85          | 33.00 | 37.30 |

### Specifications:

#### Material And Finish

Insulator:Nylon66 UL94V-0

#### Rating:

Current Rating:8.5Amp(2P/18AWG)

Voltage Rating:600V AC/DC

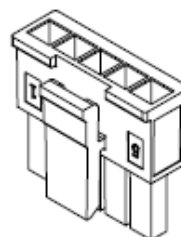
Operating Temperature Range:-40°C~+125°C

#### Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1500V AC/Minute



### Ordering Information

H3001-XXP-01-XXA

1 2 3 4 5

1:—Series No.

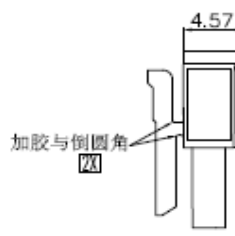
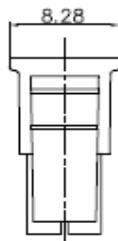
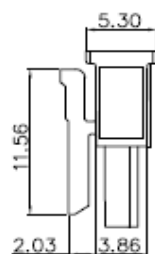
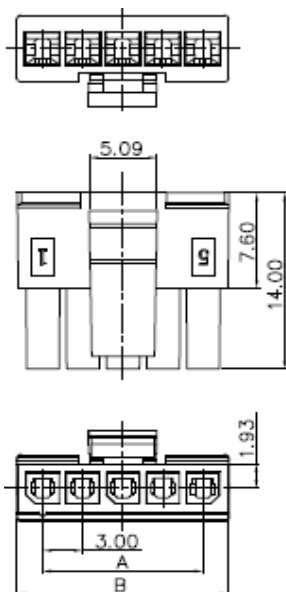
2:—No. of Positions

3:—N:Natural

B:Black

4:—G:Glowing Filament  
V:94V-0

5:—A:In Bag



### Ordering Information & Dimensions

| Poles | Dimension |       |
|-------|-----------|-------|
|       | A         | B     |
| 02    | 3.00      | 8.28  |
| 03    | 6.00      | 9.85  |
| 04    | 9.00      | 12.85 |
| 05    | 12.00     | 15.85 |
| 06    | 15.00     | 18.85 |
| 07    | 18.00     | 21.85 |
| 08    | 21.00     | 24.85 |
| 09    | 24.00     | 27.85 |
| 10    | 27.00     | 30.85 |
| 11    | 30.00     | 33.85 |
| 12    | 33.00     | 36.85 |

## .118" (3.00mm) Pitch Housing / Terminal

### Specifications:

Material And Finish

Insulator:PA66 UL94V-0 Color:Black

Rating:

Current Rating:7Amp(2P/18AWG)

Voltage Rating:600V AC/DC

Operating Temperature Range:-40°C~+125°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1500V AC/Minute

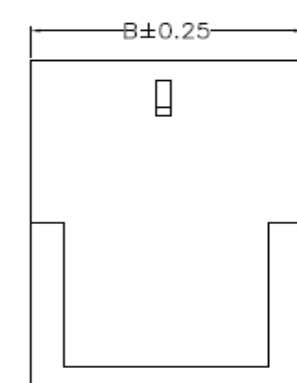
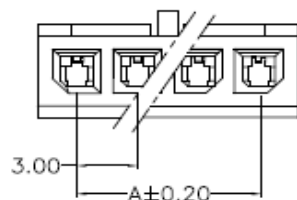


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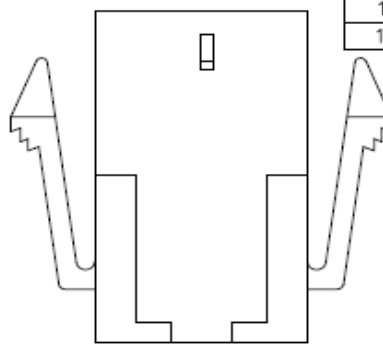
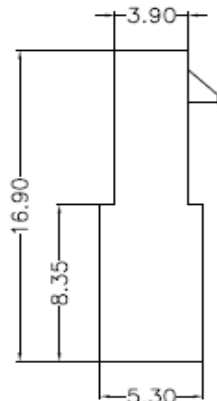
### Ordering Information

H3001F-XXP-02-XA  
1 2 3 4 5

- 1:—Series No.
- 2:—F:Female Housing
- 3:—No. of Positions
- 4:—A: Type  
B: Type
- 5:—A: In Bag



A Type



B Type

| Circuits | Dimension |       |
|----------|-----------|-------|
|          | A         | B     |
| 2        | 3.00      | 6.85  |
| 3        | 6.00      | 9.85  |
| 4        | 9.00      | 12.85 |
| 5        | 12.00     | 15.85 |
| 6        | 15.00     | 18.85 |
| 7        | 18.00     | 21.85 |
| 8        | 21.00     | 24.85 |
| 9        | 24.00     | 27.85 |
| 10       | 27.00     | 30.85 |
| 11       | 30.00     | 33.85 |
| 12       | 33.00     | 36.85 |

### Note:

Material : Phosphor Bronze

Plating :Phosphor Bronze

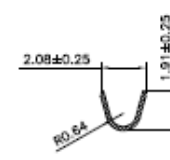
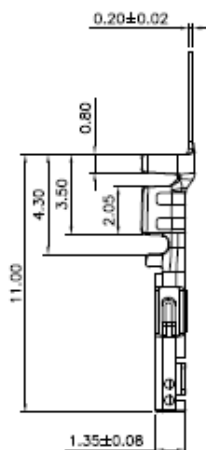
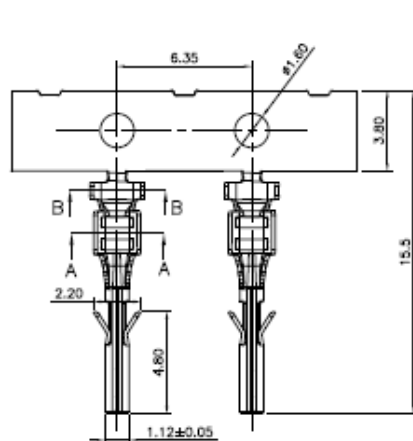
Wire Range:AWG #20-#24



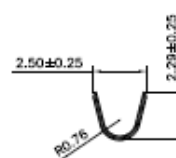
### Ordering Information

H3001T-PX-01  
1 2 3

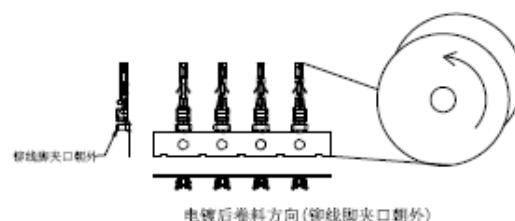
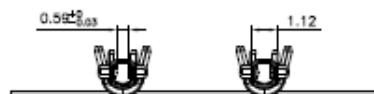
- 1:—Series No.
- 2:—Terminal
- 3:—Plated:  
Q: Tin plated  
A: Gold flash



Section: A-A



Section: B-B



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## .118" (3.00mm) Pitch Terminal

Note:

Material : Phosphor Bronze

Plating : Ni plated 35~50u" ,  
overall 80~120u" Tin

Wire Range:AWG #20-#24

# HJBRIGHT®

Ordering Information

H3001T-PX-02

1 2 3

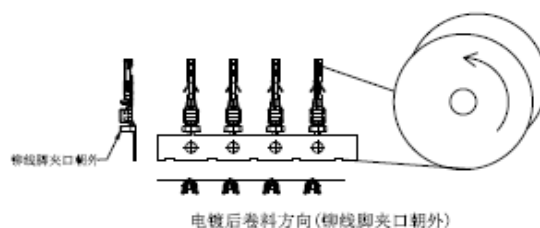
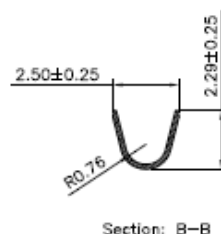
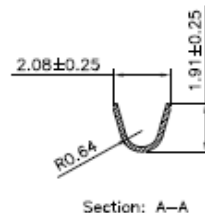
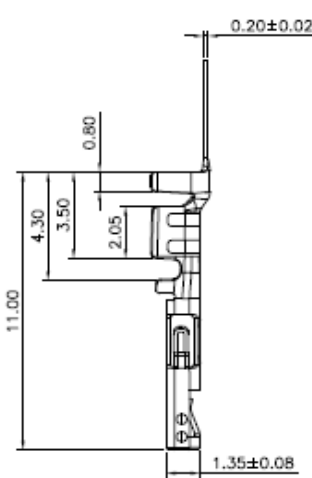
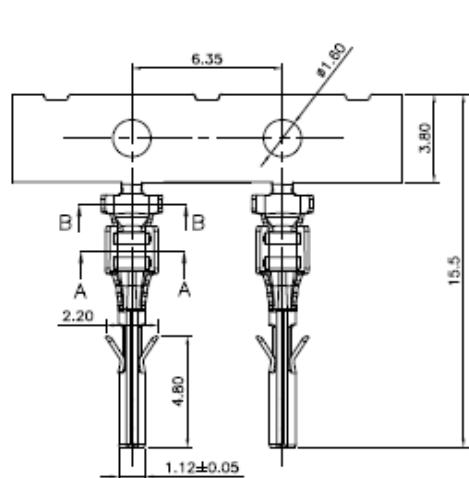
1:—Series No.

2:—Terminal

3:—Plated:

A:Gold Flash

Q: Tin plated



Note:

Material:Phosphor Bronze

Plating:Ni plated 35~50u" ,  
overall 80~120u" Tin

Wire Range:AWG #18~#24

Ordering Information

H3001T-PXX-03

1 2 3 4

1:—Series No.

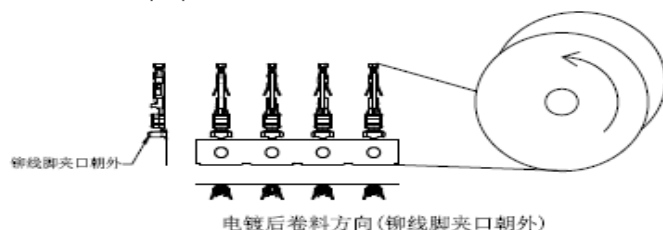
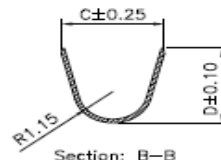
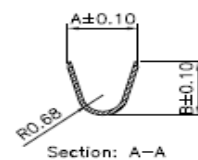
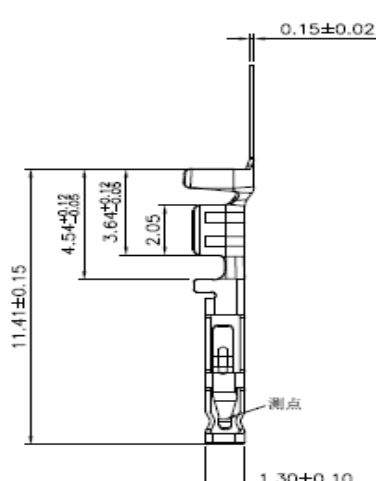
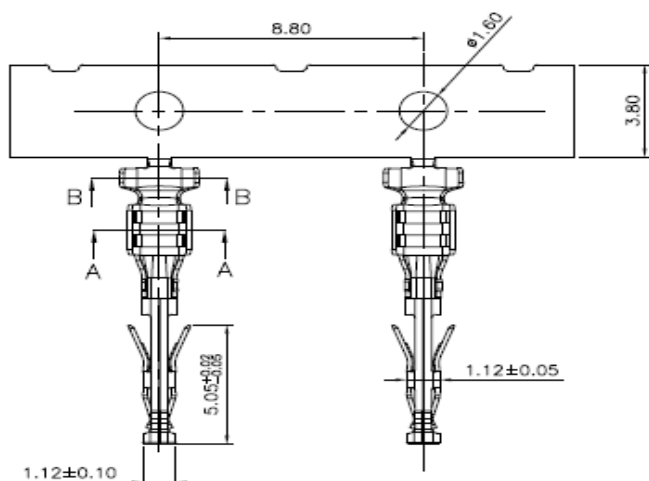
2:—Terminal

3:—P1:18AWG

P2:20~24AWG

4:—A:Gold Flash

Q: Tin plated



| Untilit | Wire Range  | A    | B    | C    | D    |
|---------|-------------|------|------|------|------|
| P1X     | 18AWG       | 2.34 | 2.22 | 3.44 | 2.61 |
| P2X     | 20AWG-24AWG | 1.93 | 1.73 | 2.48 | 2.30 |

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## .118" (3.00mm) Pitch Terminal

# HJBRIGHT®

### Specifications:

Terminal: Phosphor Bronze, T=0.20mm

Wire Range: AWG#20~#24

### Rating:

Current Rating: 5A AC, DC

Voltage Rating: 250V AC/DC

### Electrical:

Contact resistance: 20m Ohm Max

Withstanding Voltage: 1500V AC/Minute

### Ordering Information

H3001TM-PX

1 2 3

1: — Series No.

2: — TM: Male Terminal

3: — Q: Tin Plated

H: Gold flash on contact; Tin on tail

