

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

.118" (3.00mm) Connectors



.118" (3.00mm) Pitch 90° Wafer

Specifications:

Material And Finish:

Insulator: PA6T 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

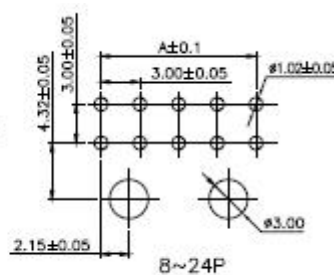
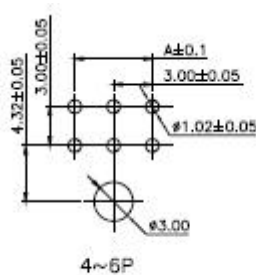
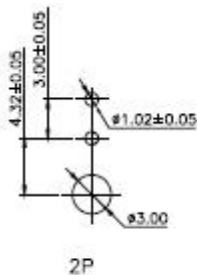
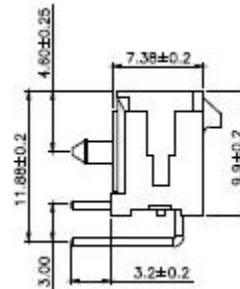
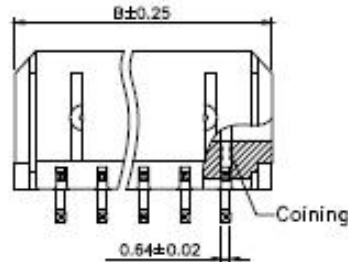
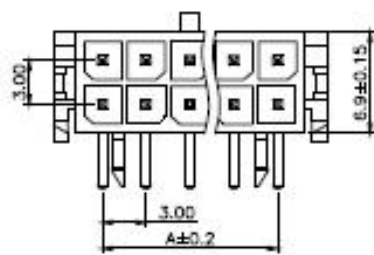


Ordering Information

A30001R-XXX-01-C

1 2 3 4 5

- 1:—Series No.
2:—R/R/A Type
3:—No. of Positions
4:—A: Gold Flash
D: 10u" Gold on Contact; Gold Flash on tail
F: 20u" Gold on Contact; Gold Flash on tail
H: Gold Flash on Contact; Matte Tin on tail
L: 15u" Gold on Contact; Matte Tin on tail
T: 10u" Gold on Contact; Matte Tin on tail
Y: 30u" Gold on Contact; Matte Tin on tail
S: Matte Tin Plated
Q: Tin Plated
5:—C: In Tray



Recommended PCB Layout

Circuits	Dimension mm	
	A	B
02	0.00	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	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 (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

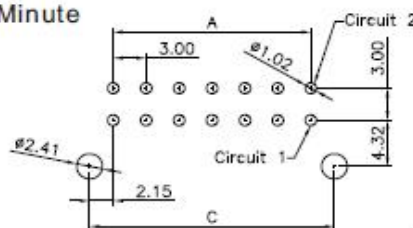
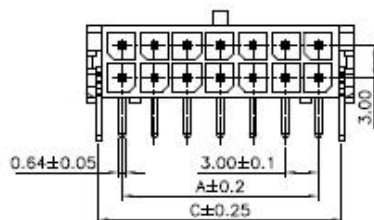


Ordering Information

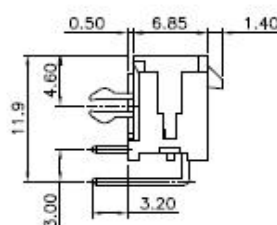
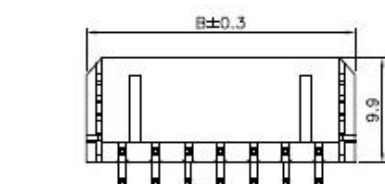
A30001R-XXX-03-C

1 2 3 4 5

- 1:—Series No.
2:—R/R/A Type
3:—No. of Positions
4:—A: Gold Flash
D: 10u" Gold on Contact; Gold Flash on tail
F: 20u" Gold on Contact; Gold Flash on tail
H: Gold Flash on Contact; Matte Tin on tail
L: 15u" Gold on Contact; Matte Tin on tail
T: 10u" Gold on Contact; Matte Tin on tail
S: Matte Tin Plated
Q: Tin Plated
5:—C: In Tray



Recommended PCB Layout
Tolerance: ±0.05mm



Circuits	Dimension mm		
	A	B	C
02	—	6.65	4.30
04	3.00	9.65	7.30
06	6.00	12.65	10.30
08	9.00	15.65	13.30
10	12.00	18.65	16.30
12	15.00	21.65	19.30
14	18.00	24.65	22.30
16	21.00	27.65	25.30
18	24.00	30.65	28.30
20	27.00	33.65	31.30
22	30.00	36.65	34.30
24	33.00	39.65	37.30

.118" (3.00mm) Pitch 180° Wafer

Specifications:

Material And Finish:

Insulator:PA6T 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



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Ordering Information

A30001S-XXX-XX-C
1 2 3 4 5 6

1:—Series No.

2:—S: Straight Type

3:—No. of Positions

4:—A: Gold Flash

H: Gold Flash On
Contact; Matte Tin
On Tail

L: 15u" Gold on
contact; Matte Tin
on tail

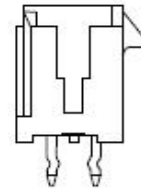
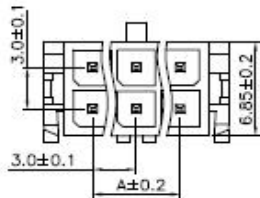
Y: 30u" Gold on
contact; Matte Tin
on tail

Q: Tin Plated

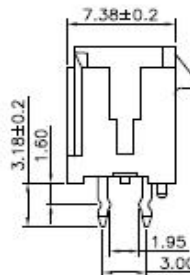
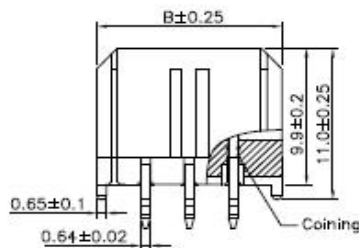
5:—01: W/0 Peg

02: W/Peg

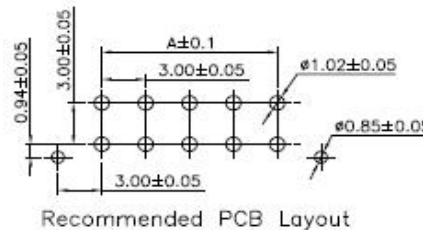
6:—C: In Tray



01: W/0 Peg



02: W/1 Peg



Recommended PCB Layout

Circuits	Dimension mm	
	A	B
02	0.00	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

Specifications:

Material And Finish:

Insulator:PA6T UL94V-0 Color:Black

Contact:Copper alloy

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



Ordering Information

A30001S-XXX-03-C
1 2 3 4 5

1:—Series No.

2:—S: Straight Type

3:—No. of Positions

4:—A: Gold Flash

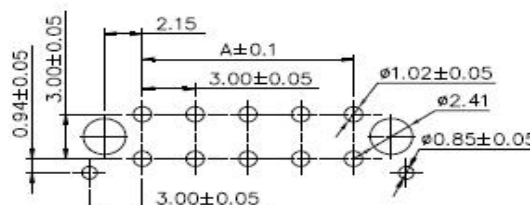
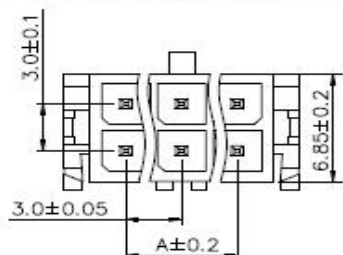
H: Gold Flash On
Contact; Matte Tin
On Tail

L: 15u" Gold on
contact; Matte
Tin on tail

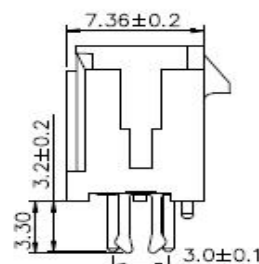
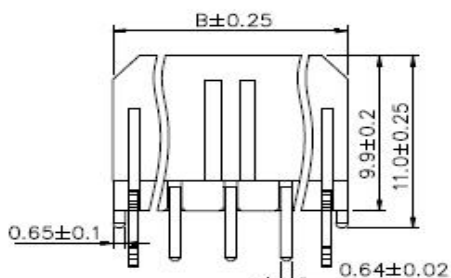
Y: 30u" Gold on
contact; Matte
Tin on tail

Q: Tin Plated

5:—C: In Tray



Recommended PCB Layout



Circuits	Dimension mm	
	A	B
02	0.00	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

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<http://www.hjbright.com>

.118" (3.00mm) Pitch SMT Wafer

Specifications:

Material And Finish:

Insulator: LCP 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



Ordering Information

A30001M-XXX-01-X
1 2 3 4 5

1:—Series No.

2:—M: SMT Type

3:—No. of Positions

4:—A: Gold Flash

H: Gold Flash On

Contact; Matte

Tin On Tail

L: 15u" Gold on

contact; Matte

Tin on tail

Y: 30u" Gold on

contact; Matte

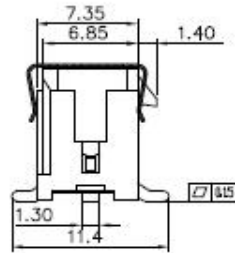
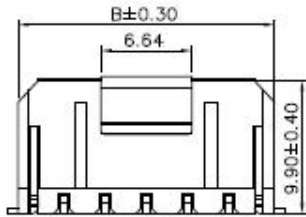
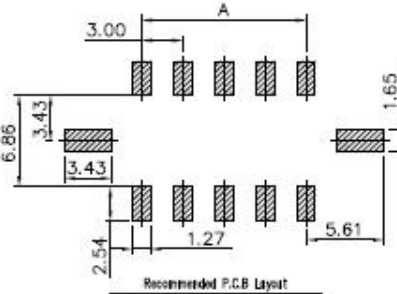
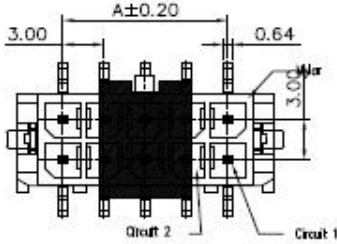
Tin on tail

S: Matte Tin Plated

Q: Tin Plated

5:—G: In Tape&Reel

F: W/Cap In Tape&Reel



No. PINS	Dimensions		No. PINS	Dimensions	
	A	B		A	B
02	—	6.65	14	18.00	24.65
04	3.00	9.65	16	21.00	27.65
06	6.00	12.65	18	24.00	30.65
08	9.00	15.65	20	27.00	33.65
10	12.00	18.65	22	30.00	36.65
12	15.00	21.65	24	33.00	39.65

Specifications:

Material And Finish:

Insulator: LCP 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



Ordering Information

A30001M-XXX-03-X
1 2 3 4 5

1:—Series No.

2:—M: SMT Type

3:—No. of Positions

4:—A: Gold Flash

H: Gold Flash On

Contact; Matte

Tin On Tail

L: 15u" Gold on

contact; Matte

Tin on tail

Y: 30u" Gold on

contact; Matte

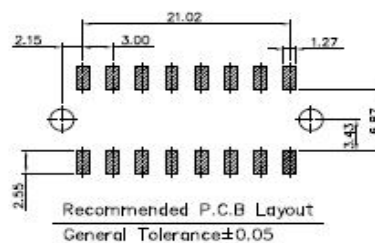
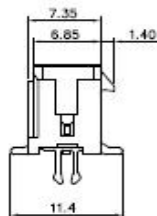
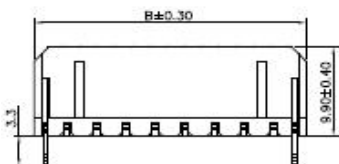
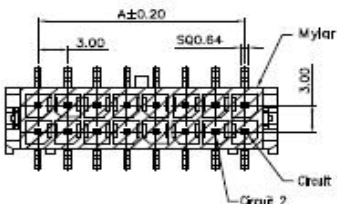
Tin on tail

S: Matte Tin Plated

Q: Tin Plated

5:—F: W/Cap In Tape&Reel

M: W/Mylar In Tape&Reel



No. PINS	Dimensions	
	A	B
02	—	6.65
04	3.00	9.65
06	6.00	12.65
08	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

.118" (3.00mm) Pitch SMT Wafer

Specifications:

Material And Finish:

Insulator:LCP UL94V-0 Color:Black

Contact:Copper alloy

Plated:See Ordering Information

Rating:

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

Voltage Rating:600V AC/DC

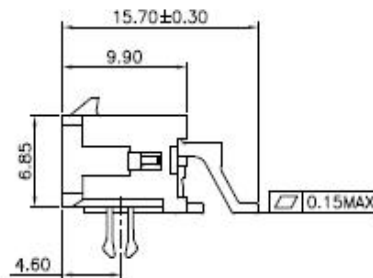
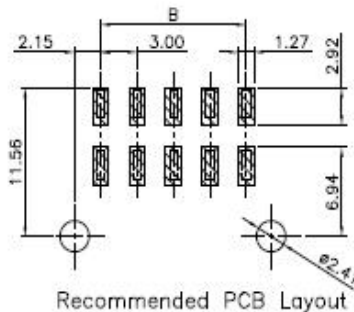
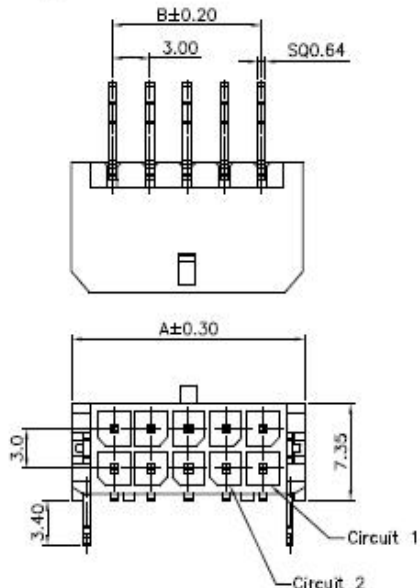
Operating Temperature Range:-40°~+125°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1500V AC/Minute



Ordering Information

A30001H-XXX-03-X
1 2 3 4 5

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

Circuits	Dimension mm	
	A	B
02	6.65	---
04	9.65	3.00
06	12.65	6.00
08	15.65	9.00
10	18.65	12.00
12	21.65	15.00
14	24.65	18.00
16	27.65	21.00
18	30.65	24.00
20	33.65	27.00
22	36.65	30.00
24	39.65	33.00

Specifications:

Material And Finish:

Insulator:LCP UL94V-0 Color:Black

Contact:Copper alloy

Plated:See Ordering Information

Rating:

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

Voltage Rating:600V AC/DC

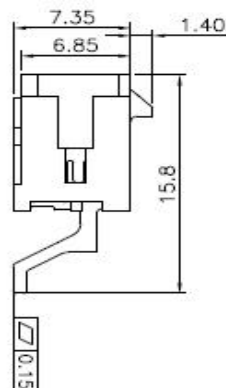
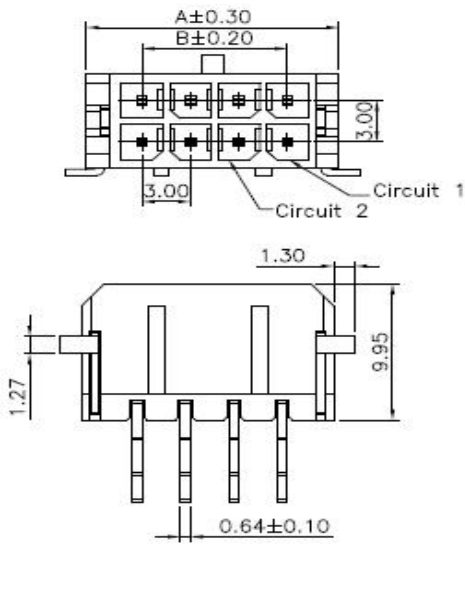
Operating Temperature Range:-40°~+125°C

Electrical:

Contact resistance:10m Ohm Max

Insulator resistance:1000M ohm min.

Withstanding Voltage:1500V AC/Minute



Ordering Information

A30001H-XXS-01-G
1 2 3 4 5

- 1:—Series No.
- 2:—H:Horizontal SMT Type
- 3:—No. of Positions
- 4:—S: Matte Tin Plated
- 5:—G: Tape & Reel

Circuits	Dimension mm	
	A	B
02	6.65	---
04	9.65	3.00
06	12.65	6.00
08	15.65	9.00
10	18.65	12.00
12	21.65	15.00
14	24.65	18.00
16	27.65	21.00
18	30.65	24.00
20	33.65	27.00
22	36.65	30.00
24	39.65	33.00

Recommended PCB Layout

.118" (3.00mm) Pitch Housing

Specifications:

Material And Finish:

Insulator: Nylon66 UL94V-0 Color: Black

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



Ordering Information

H30001M-XXP-XXA

1 2 3 4 5 6

1:—Series No.

2:—M:Male Housing

3:—No. of Positions

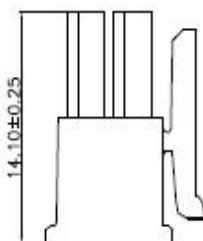
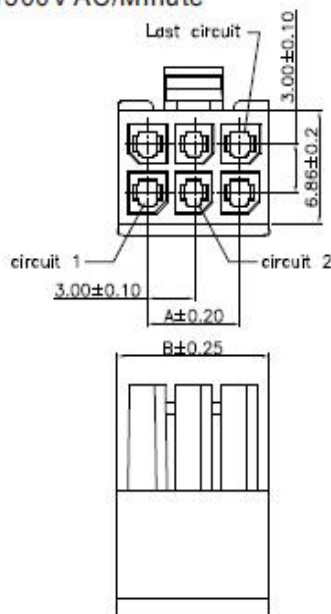
4:—N:Natural

B:Black

5:—G:Glowing Filament

V:UL94V-0

6:—A: In Bag



PART No.	Dimensions		PART No.	Dimensions	
	A	B		A	B
02	—	3.80	14	18.00	21.80
04	3.00	6.80	16	21.00	24.80
06	6.00	9.80	18	24.00	27.80
08	9.00	12.80	20	27.00	30.80
10	12.00	15.80	22	30.00	33.80
12	15.00	18.80	24	33.00	36.80

Specifications:

Material And Finish

Insulator: PA66 UL94V-0

Color: Black

Rating:

Current Rating: 7A AC/DC (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

H30001F-XXP-01-XXA

1 2 3 4 5

1:—Series No.

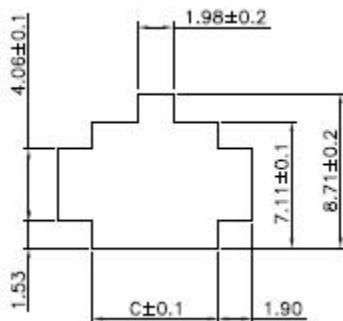
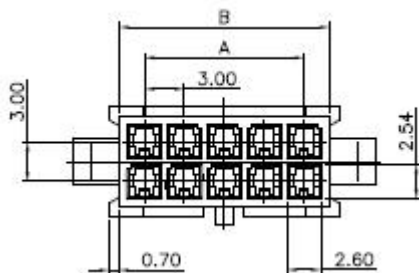
2:—F:Female Housing

3:—No. of Positions

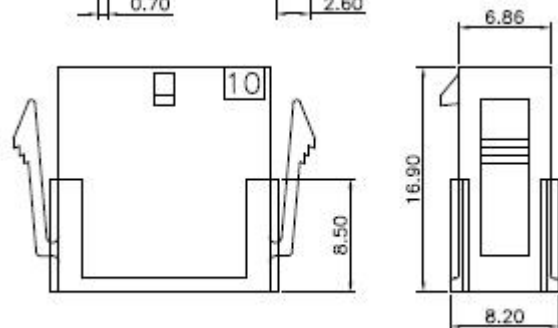
4:—A: Type

B: Type

5:—A: In Bag



PANEL CUTOUT SIZE



A Type

B Type

Circuits	Dimension		
	A	B	C
2	—	3.9	4.09
4	3.00	6.9	7.09
6	6.00	9.9	10.08
8	9.00	12.9	13.08
10	12.00	15.9	16.06
12	15.00	18.9	19.08
14	18.00	21.9	22.07
16	21.00	24.9	25.07
18	24.00	27.9	26.07
20	27.00	30.9	31.06
22	30.00	33.9	34.06
24	33.00	36.9	37.06

.118" (3.00mm) Pitch Terminal

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Note:

Material : Phosphor Bronze

Plating : Phosphor Bronze

Wire Range:AWG #20-#24

Ordering Information

H3001T-PX-01

1 2 3

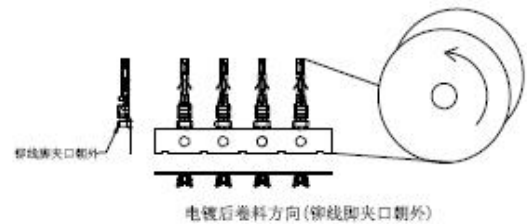
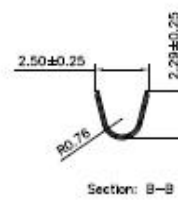
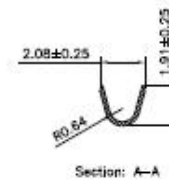
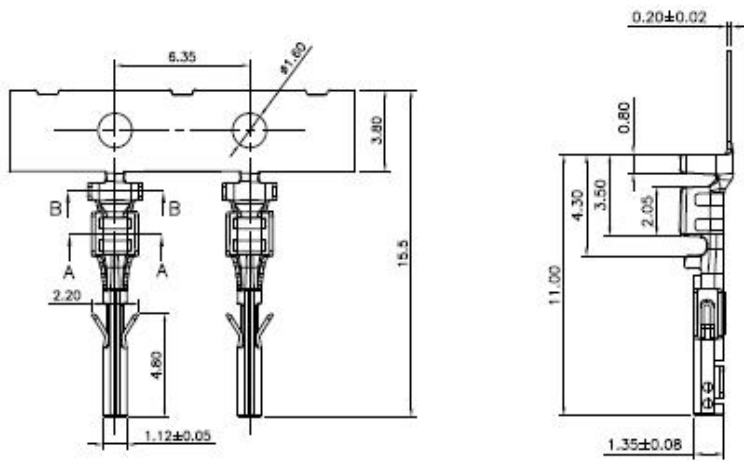
1:—Series No.

2:—Terminal

3:—Plated:

Q: Tin plated

A: Gold flash



Note:

Material : Phosphor Bronze

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

Wire Range:AWG #20-#24

Ordering Information

H3001T-PX-02

1 2 3

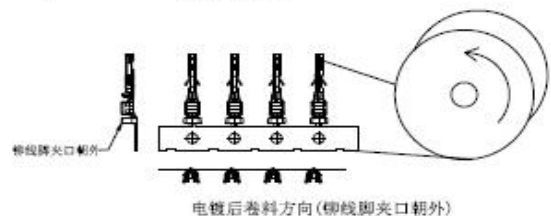
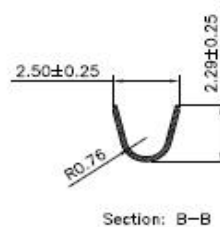
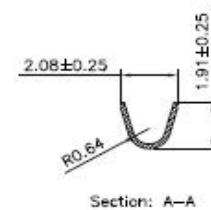
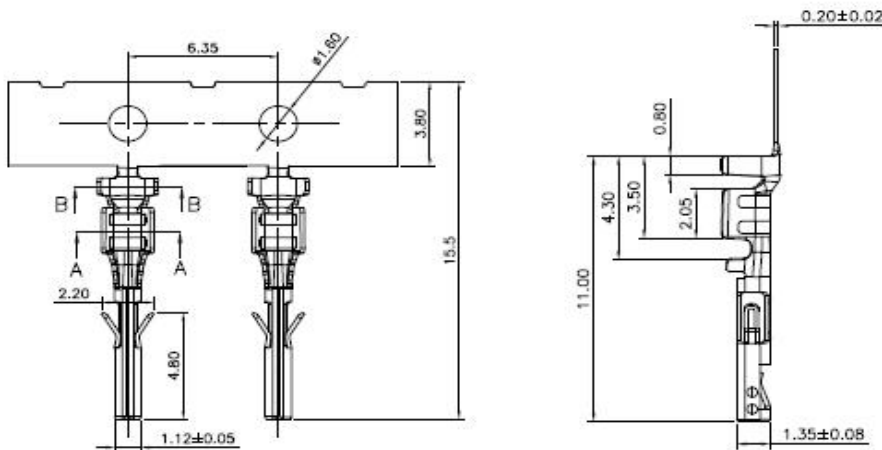
1:—Series No.

2:—Terminal

3:—Plated:

A: Gold Flash

Q: Tin plated



东莞市华晶电子有限公司
<http://www.hjbright.com>

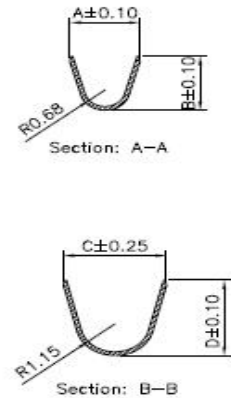
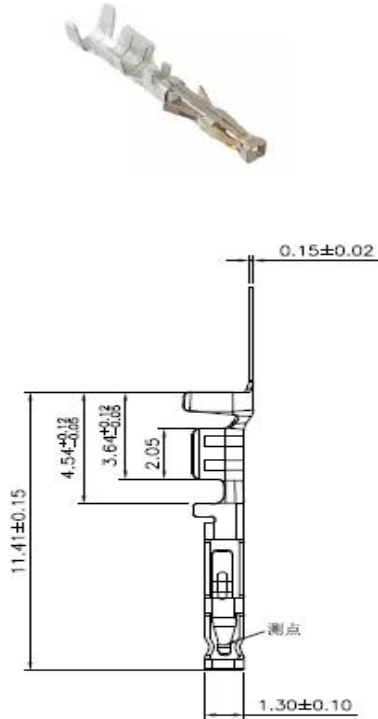
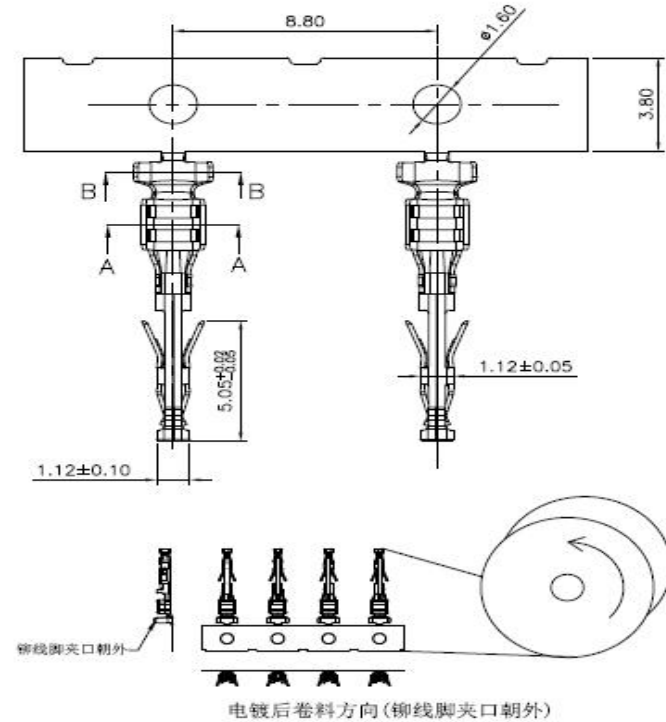
.118" (3.00mm) Pitch Terminal

HJBRIGHT®

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