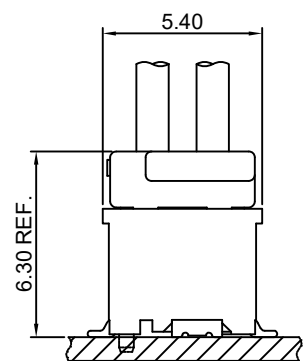
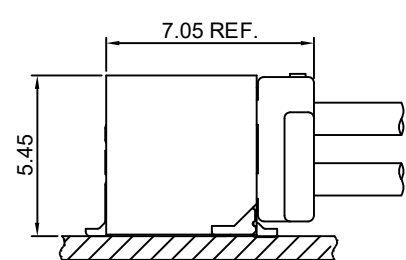
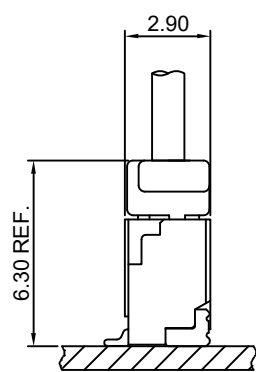
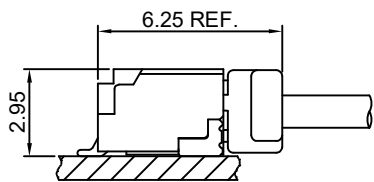


### Specifications

- Current rating: 1A AC, DC
- Voltage rating: 50V AC, DC
- Temperature range: -25°C ~ +85°C
- Contact resistance: 20mΩ Max.
- Insulation resistance: 100MΩ Min.
- Withstanding voltage: 500V AC/minute
- \*Compliant with RoHS and REACH\*
- \*Meet the HF/Halogen Free, need to customize\*
- \*Contact HDGC for details\*

### Assembly layout





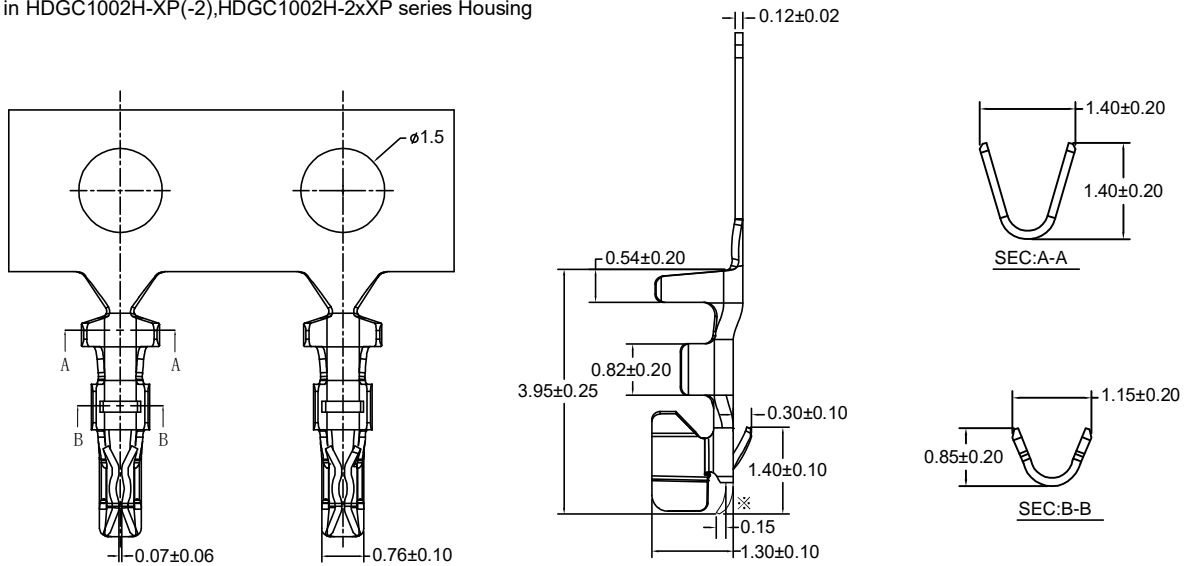
## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002-T

1.00mm pitch Crimp Terminal

**Reference Informations:**

\*Used in HDGC1002H-XP(-2), HDGC1002H-2xXP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1002-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin over Nickel	20,000 PCS
HDGC1002-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

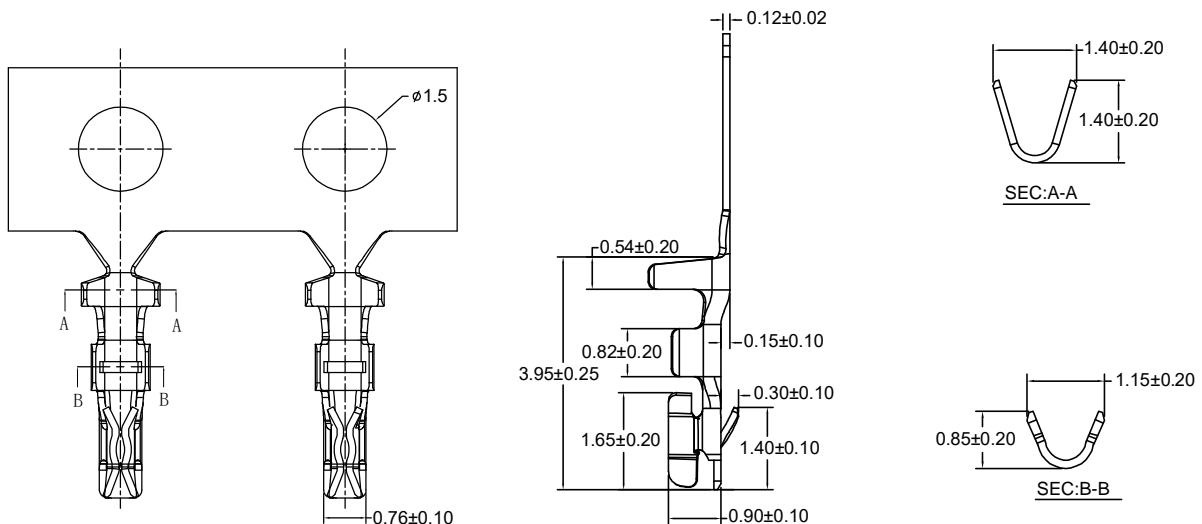
Optional Gold plating available but MOQ requested

### HDGC1002A-T

1.00mm pitch Crimp Terminal

**Reference Informations:**

\*Used in HDGC1002HA, HB, HE-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1002A-TP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Tin over Nickel	20,000 PCS
HDGC1002A-GP	AWG#28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

Optional Gold plating available but MOQ requested



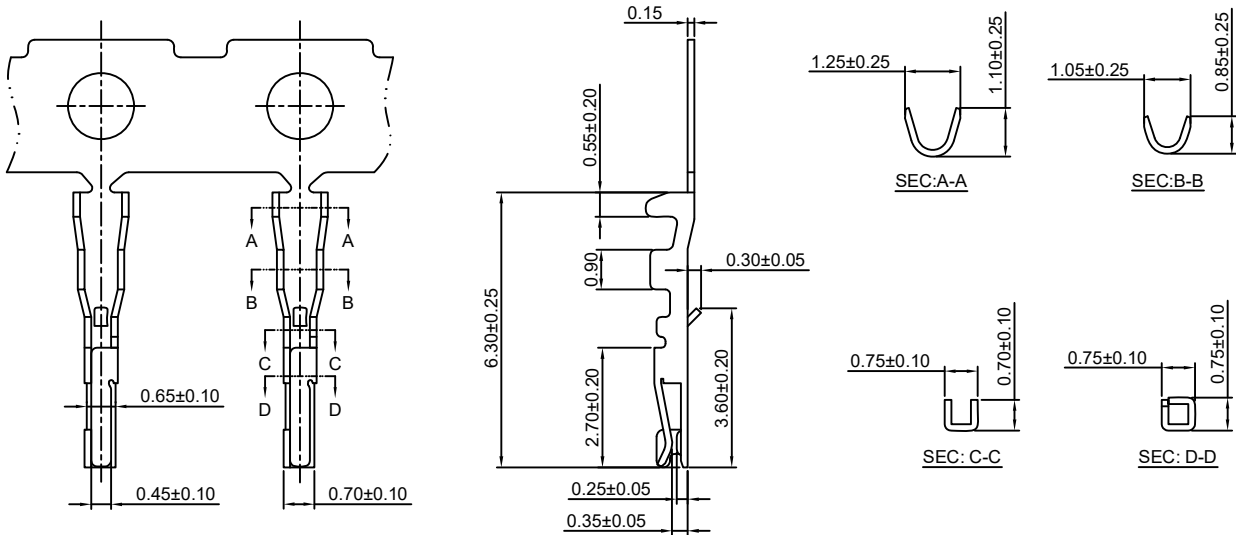
## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002C-T

1.00mm pitch Crimp Terminal

**Reference Informations:**

\*Used in HDGC1002HC,HD-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1002C-TP	AWG #28-#32	0.80mm(max)	Phosphor Bronze	Tin over Nickel	20,000 PCS
HDGC1002C-GP	AWG #28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

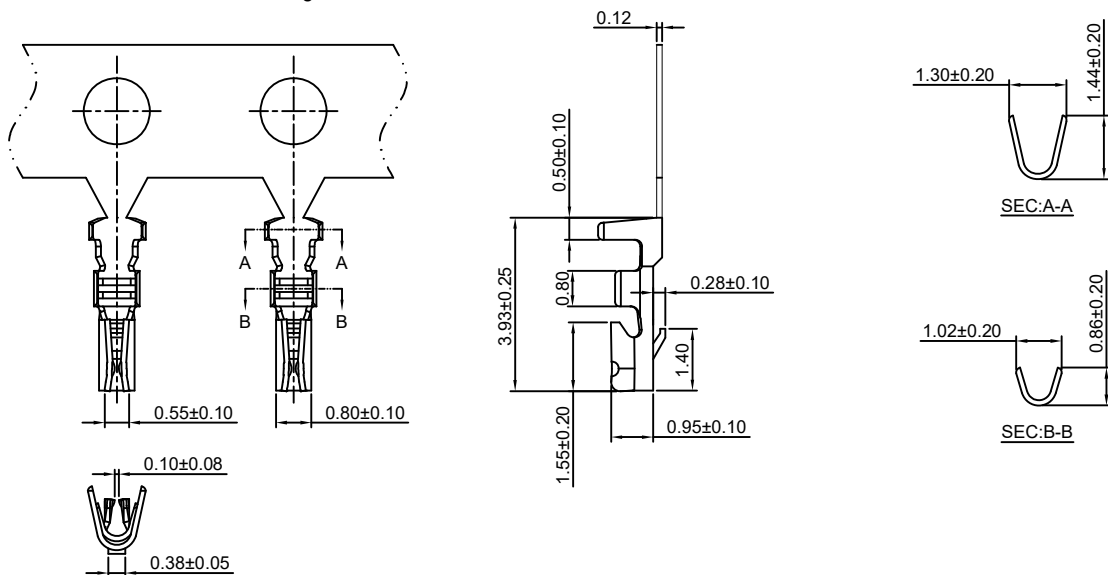
Optional Gold plating available but MOQ requested

### HDGC1002D-T

1.00mm pitch Crimp Terminal

**Reference Informations:**

\*Used in HDGC1002HG,HI-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1002D-TP	AWG #28-#32	0.80mm(max)	Phosphor Bronze	Tin over Nickel	20,000 PCS
HDGC1002D-GP	AWG #28-#32	0.80mm(max)	Phosphor Bronze	Gold over flash	20,000 PCS

Optional Gold plating available but MOQ requested



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002H-XP

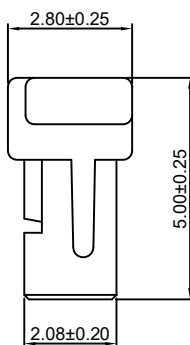
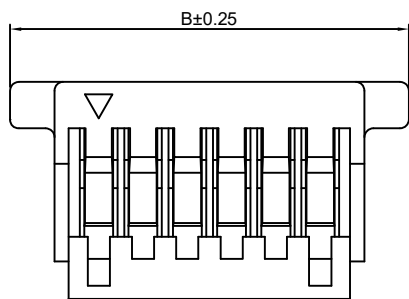
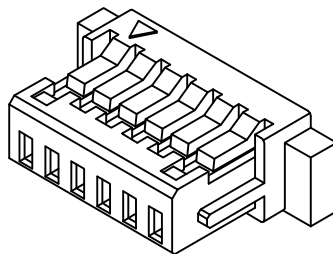
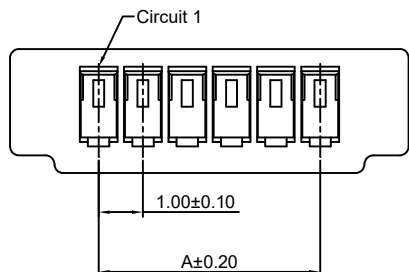
1.00mm pitch Single Row Housing

**Reference Informations:**

- \*Material:PBT,UL94V-0
- \*Suitable HDGC1002-T series Terminal
- \*Mates with HDGC1002WV-S,WR-S-XP series Single Row Wafer
- \*Color:White

**Ordering Information:**

- HDGC1002H-XP - \*\*\*  
 1                    2
- 1.Part No.  
 2.Material:  
 (Blank);PBT,UL94V-0  
 GWT:PBT,UL94V-0,GWT 750 °C



**Ordering Information & Dimensions:**

PART NO.	Dimensions	
	A	B
2P	1.00	5.00
3P	2.00	6.00
4P	3.00	7.00
5P	4.00	8.00
6P	5.00	9.00
7P	6.00	10.00
8P	7.00	11.00
9P	8.00	12.00
10P	9.00	13.00
11P	10.00	14.00
12P	11.00	15.00
13P	12.00	16.00
14P	13.00	17.00
15P	14.00	18.00
16P	15.00	19.00
17P	16.00	20.00
18P	17.00	21.00
19P	18.00	22.00
20P	19.00	23.00

Unit: mm

### HDGC1002H-XP-2

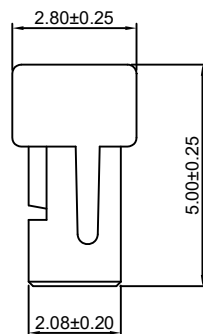
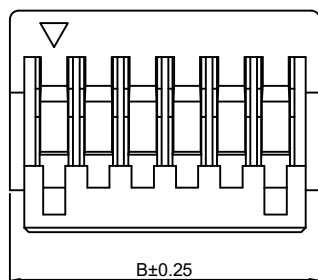
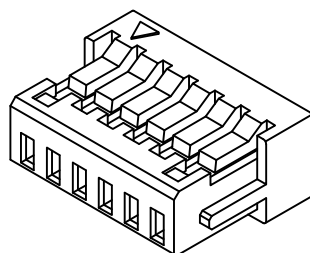
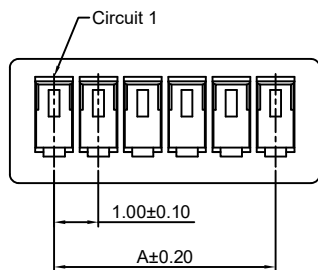
1.00mm pitch Single Row Housing

**Reference Informations:**

- \*Material:PBT,UL94V-0
- \*Suitable HDGC1002-T series Terminal
- \*Mates with HDGC1002WV-S,WR-S-XP series Single Row Wafer
- \*Color:White

**Ordering Information:**

- HDGC1002H-XP-2 - \*\*\*  
 1                    2
- 1.Part No.  
 2.Material:  
 (Blank);PBT,UL94V-0  
 GWT:PBT,UL94V-0,GWT 750 °C



**Ordering Information & Dimensions:**

PART NO.	Dimensions	
	A	B
2P	1.00	3.00
3P	2.00	4.00
4P	3.00	5.00
5P	4.00	6.00
6P	5.00	7.00
7P	6.00	8.00
8P	7.00	9.00
9P	8.00	10.00
10P	9.00	11.00
11P	10.00	12.00
12P	11.00	13.00
13P	12.00	14.00
14P	13.00	15.00
15P	14.00	16.00
16P	15.00	17.00
17P	16.00	18.00
18P	17.00	19.00
19P	18.00	20.00
20P	19.00	21.00

Unit: mm



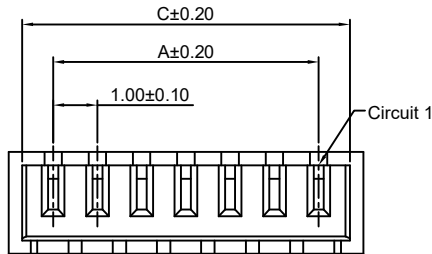
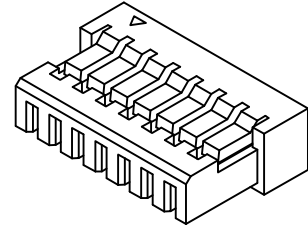
## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002HA-XP

1.00mm pitch Single Row Housing

#### Reference Informations:

- \*Material:PBT,UL94V-0
- \*Suitable HDGC1002A-T series Terminal
- \*Mates with HDGC1002WRA-S,WRE-S-XP series Single Row Wafer
- \*Color:White



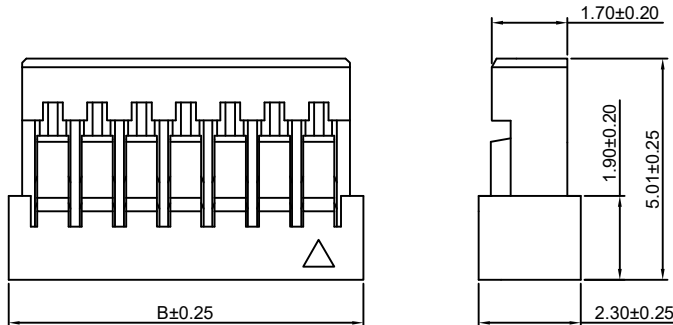
Ordering Information:  
HDGC1002HA-XP - \*\*\*  
1 2

- 1.Part No.
- 2.Material:  
(Blank):PBT,UL94V-0  
GWT :PBT,UL94V-0,GWT 750 °C

#### Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.00	2.40
3P	2.00	4.00	3.40
4P	3.00	5.00	4.40
5P	4.00	6.00	5.40
6P	5.00	7.00	6.40
7P	6.00	8.00	7.40
8P	7.00	9.00	8.40
9P	8.00	10.00	9.40
10P	9.00	11.00	10.40
11P	10.00	12.00	11.40
12P	11.00	13.00	12.40
13P	12.00	14.00	13.40
14P	13.00	15.00	14.40
15P	14.00	16.00	15.40
16P	15.00	17.00	16.40
17P	16.00	18.00	17.40
18P	17.00	19.00	18.40
19P	18.00	20.00	19.40
20P	19.00	21.00	20.40

Unit:mm

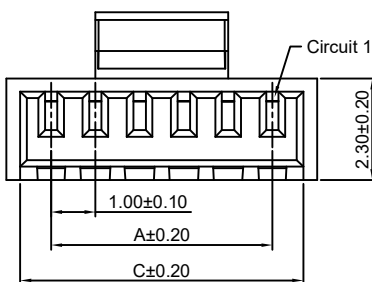
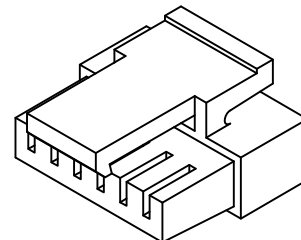


### HDGC1002HB-XP

1.00mm pitch Single Row Housing

#### Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable HDGC1002A-T series Terminal
- \*Mates with HDGC1002WVB-S,WRB-S-XP series Wafer
- \*Color:White



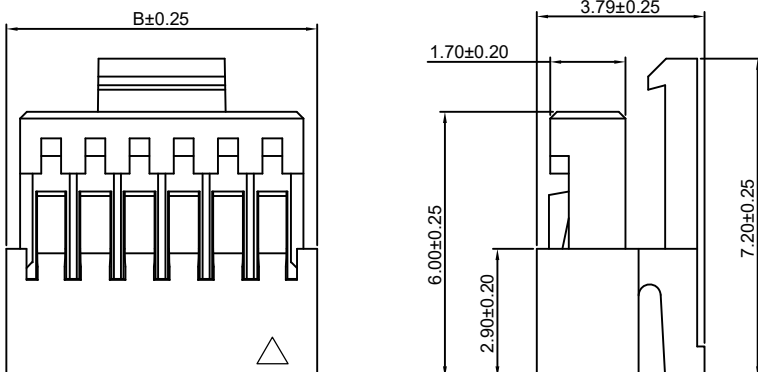
Ordering Information:  
HDGC1002HB-XP - \*\*\*  
1 2

- 1.Part No.
- 2.Material:  
(Blank):Nylon 66,UL94V-0  
GWT:Nylon 66,UL94V-0,GWT 750 °C

#### Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.00	2.40
3P	2.00	4.00	3.40
4P	3.00	5.00	4.40
5P	4.00	6.00	5.40
6P	5.00	7.00	6.40
7P	6.00	8.00	7.40
8P	7.00	9.00	8.40
9P	8.00	10.00	9.40
10P	9.00	11.00	10.40
11P	10.00	12.00	11.40
12P	11.00	13.00	12.40
13P	12.00	14.00	13.40
14P	13.00	15.00	14.40
15P	14.00	16.00	15.40
16P	15.00	17.00	16.40
17P	16.00	18.00	17.40
18P	17.00	19.00	18.40
19P	18.00	20.00	19.40
20P	19.00	21.00	20.40

Unit:mm





## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002HC-XP

1.00mm pitch Single Row Housing

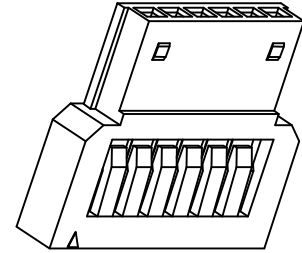
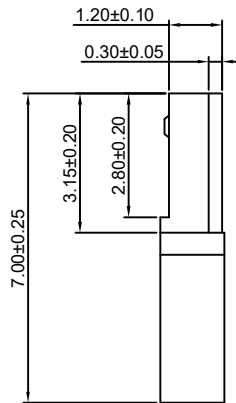
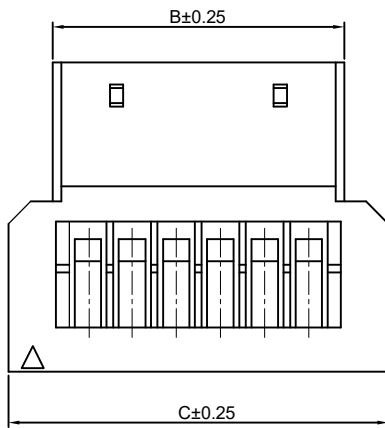
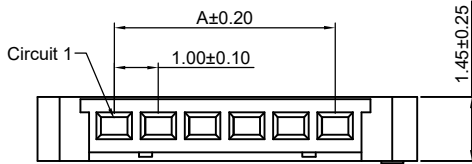
**Reference Informations:**

- \*Material:Nylon 46,UL94V-0
- \*Suitable HDGC1002C-T series Terminal
- \*Color:Ivory

**Ordering Information:**

HDGC1002HC-XP - \*\*\*  
1 2

- 1.Part No.
- 2.Material:  
(Blank):Nylon 46,UL94V-0  
GWT:Nylon 46,UL94V-0,GWT 750 °C



**Ordering Information & Dimensions:**

PART NO.	Dimensions		
	A	B	C
4P	3.00	4.60	6.60
6P	5.00	6.60	8.60

Unit:mm

### HDGC1002HD-XP

1.00mm pitch Single Row Housing

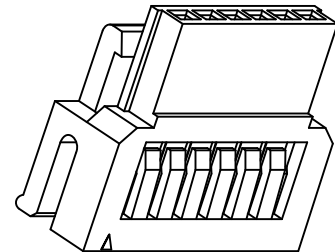
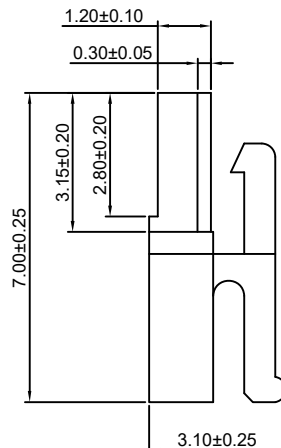
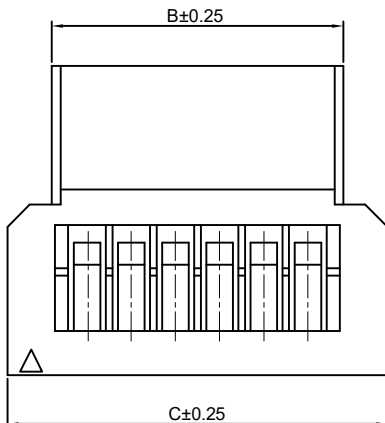
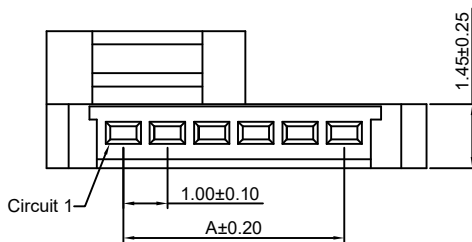
**Reference Informations:**

- \*Material:Nylon 46,UL94V-0
- \*Suitable HDGC1002C-T series Terminal
- \*Color:Ivory

**Ordering Information:**

HDGC1002HD-XP - \*\*\*  
1 2

- 1.Part No.
- 2.Material:  
(Blank):Nylon 46,UL94V-0  
GWT :Nylon 46,UL94V-0 GWT 750 °C



**Ordering Information & Dimensions:**

PART NO.	Dimensions		
	A	B	C
4P	3.00	4.60	6.60
6P	5.00	6.60	8.60

Unit:mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002HE-XP

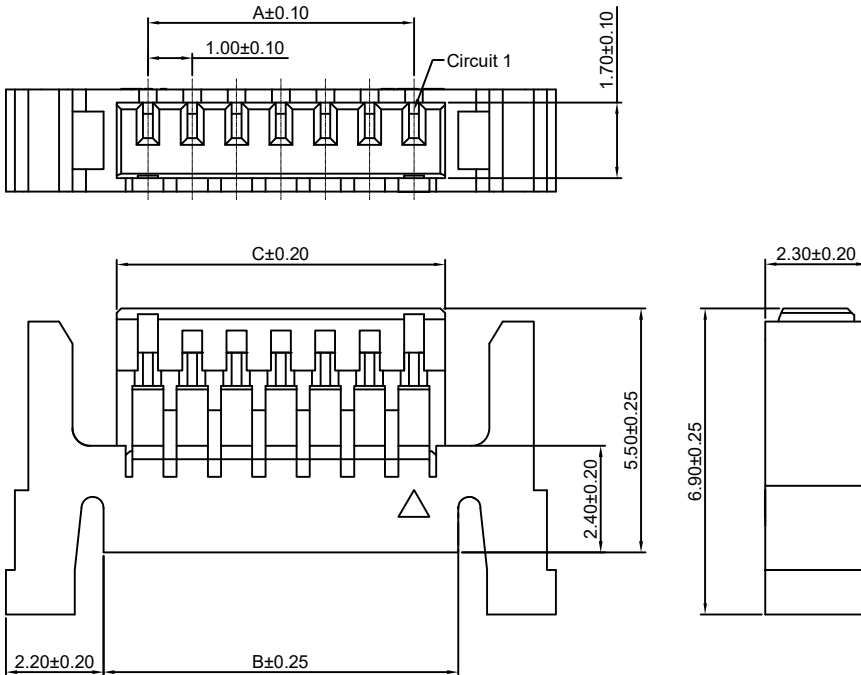
1.00mm pitch Single Row Housing

#### Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable HDGC1002A-T series Terminal
- \*Mates with HDGC1002WRC-S-XP series Wafer
- \*Color:White

Ordering Information:  
HDGC1002HE-XP - \*\*\*  
 1 2

1.Part No.  
 2.Material:  
 (Blank):Nylon 66,UL94V-0  
 GWT:Nylon 66,UL94V-0,GWT 750 °C



#### Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.00	2.40
3P	2.00	4.00	3.40
4P	3.00	5.00	4.40
5P	4.00	6.00	5.40
6P	5.00	7.00	6.40
7P	6.00	8.00	7.40
8P	7.00	9.00	8.40
9P	8.00	10.00	9.40
10P	9.00	11.00	10.40
11P	10.00	12.00	11.40
12P	11.00	13.00	12.40
13P	12.00	14.00	13.40
14P	13.00	15.00	14.40
15P	14.00	16.00	15.40
16P	15.00	17.00	16.40
17P	16.00	18.00	17.40
18P	17.00	19.00	18.40
19P	18.00	20.00	19.40
20P	19.00	21.00	20.40

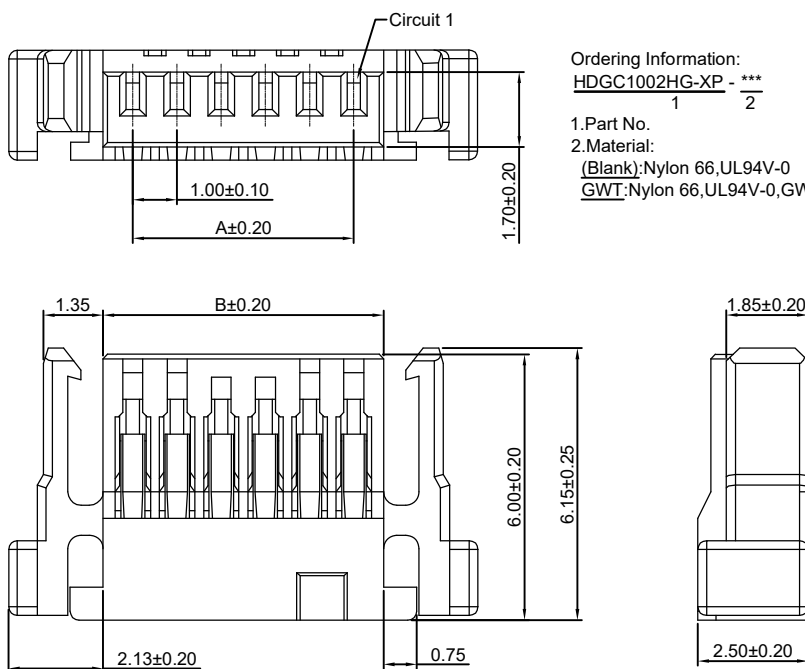
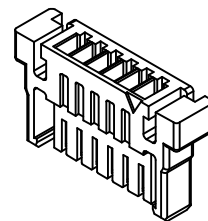
Unit:mm

### HDGC1002HG-XP

1.00mm pitch 180° Single Row Housing

#### Reference Informations:

- \*Material:Nylon 66,UL94V-0
- \*Suitable HDGC1002D-T series Terminal
- \*Mates with HDGC1002WRD-S-XP series Wafer
- \*Color:White



Ordering Information:  
HDGC1002HG-XP - \*\*\*  
 1 2

1.Part No.  
 2.Material:  
 (Blank):Nylon 66,UL94V-0  
 GWT:Nylon 66,UL94V-0,GWT 750 °C

#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	2.30
3P	2.00	3.30
4P	3.00	4.30
5P	4.00	5.30
6P	5.00	6.30
7P	6.00	7.30
8P	7.00	8.30
9P	8.00	9.30
10P	9.00	10.30
11P	10.00	11.30
12P	11.00	12.30
13P	12.00	13.30
14P	13.00	14.30
15P	14.00	15.30
16P	15.00	16.30
17P	16.00	17.30
18P	17.00	18.30
19P	18.00	19.30
20P	19.00	20.30

Unit:mm



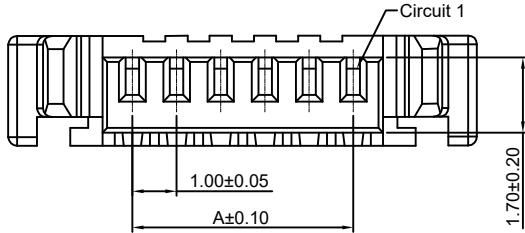
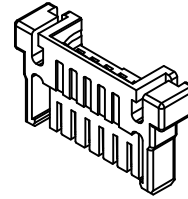
## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002HI-XP

1.00mm pitch 90° Single Row Housing

**Reference Informations:**

- \*Material:Nylon 66,UL94V-0
- \*Suitable HDGC1002D-T series Terminal
- \*Mates with HDGC1002WRD-S-XP series Wafer
- \*Color:White



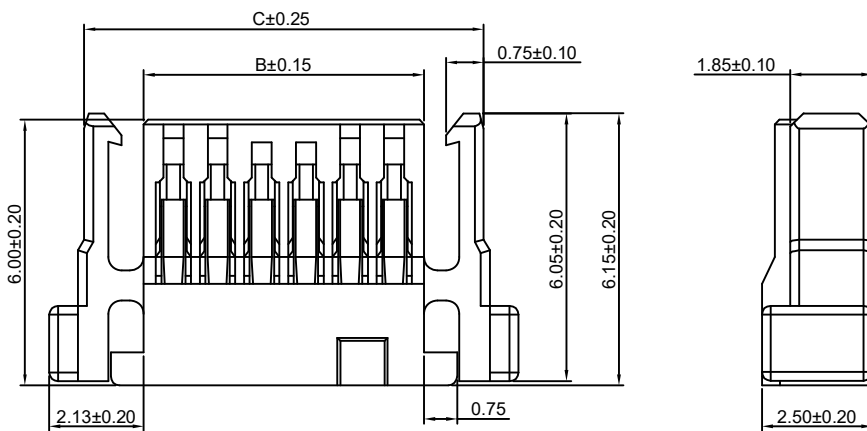
Ordering Information:  
 $\frac{\text{HDGC1002HI-XP} - \text{***}}{1 \quad 2}$

- 1.Part No.
- 2.Material:  
 (Blank):Nylon 66,UL94V-0  
 GWT :Nylon 66,UL94V-0 GWT 750 °C

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	2.30
3P	2.00	3.30
4P	3.00	4.30
5P	4.00	5.30
6P	5.00	6.30
7P	6.00	7.30
8P	7.00	8.30
9P	8.00	9.30
10P	9.00	10.30
11P	10.00	11.30
12P	11.00	12.30
13P	12.00	13.30
14P	13.00	14.30
15P	14.00	15.30
16P	15.00	16.30
17P	16.00	17.30
18P	17.00	18.30
19P	18.00	19.30
20P	19.00	20.30

Unit:mm



### HDGC1002HJ-XP

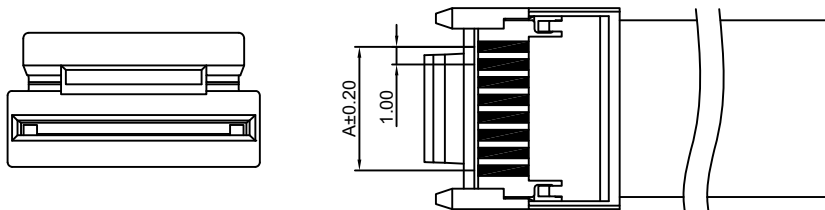
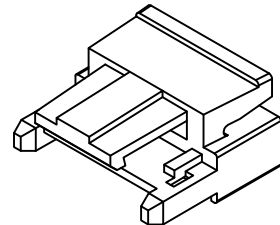
1.00mm pitch Single Row Housing

**Reference Informations:**

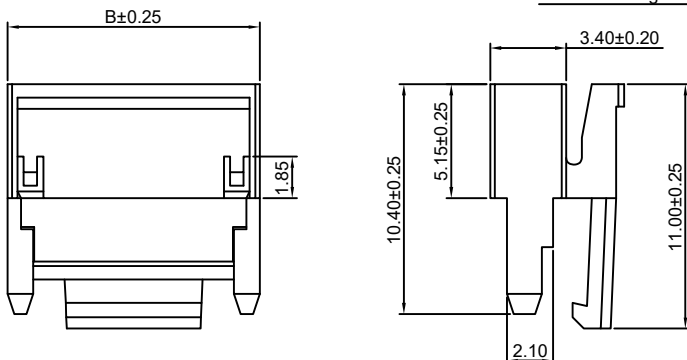
- \*Material:Nylon 66,UL94V-0
- \*Mates with HDGC1002WRJ-F-XP series Wafer
- \*Color:Black

Ordering Information:  
 $\frac{\text{HDGC1002HJ-XP} - \text{***}}{1 \quad 2}$

- 1.Part No.
- 2.Material:  
 (Blank):Nylon 66,UL94V-0  
 GWT :Nylon 66,UL94V-0,GWT 750 °C



The FPC cable into the schematic diagram



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
4P	3.00	7.35
5P	4.00	8.35
6P	5.00	9.35
7P	6.00	10.35
8P	7.00	11.35
9P	8.00	12.35
10P	9.00	13.35
11P	10.00	14.35
12P	11.00	15.35
13P	12.00	16.35
14P	13.00	17.35
15P	14.00	18.35
16P	15.00	19.35
17P	16.00	20.35
18P	17.00	21.35
19P	18.00	22.35
20P	19.00	23.35
30P	29.00	33.35

Unit:mm





## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002HK-XP

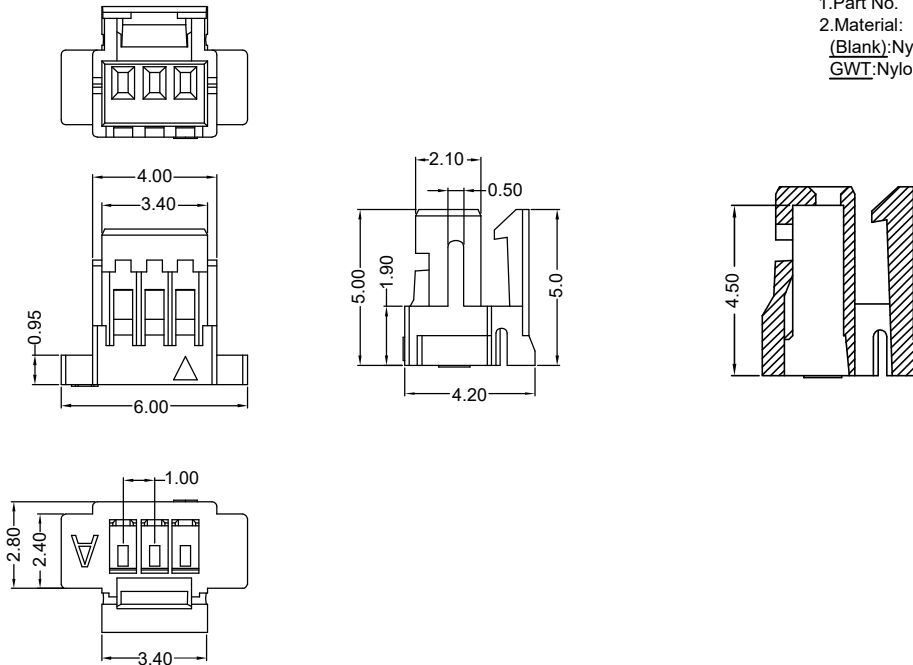
1.00mm pitch Single Row Housing

#### Reference Informations:

- \*Material: Nylon 66, UL94V-0
- \*Suitable HDGC1002-T series Terminal
- \*Color: White

Ordering Information:  
 HDGC1002HK-XP - \*\*\*  
 1 2

1. Part No.
2. Material:  
 (Blank): Nylon 66, UL94V-0  
 GWT: Nylon 66, UL94V-0, GWT 750 °C



Unit:mm

### HDGC1002H-2xXP

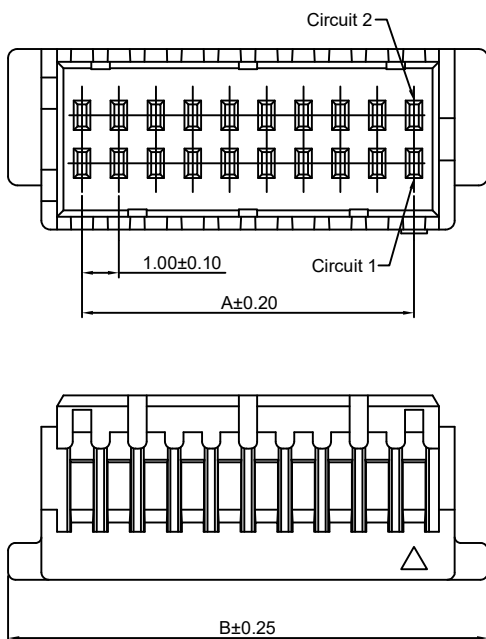
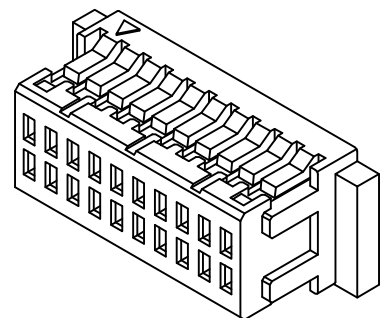
1.00mm pitch Dual Row Housing

#### Reference Informations:

- \*Material: PBT, UL94V-0
- \*Suitable HDGC1002-T series Terminal
- \*Mates with HDGC1002WV-S-2xXP, WR-S-2xXP, HDGC1002WV-S-F-2xXP series Dual Row Wafer
- \*Color: White

Ordering Information:  
 HDGC1002H-2xXP - \*\*\*  
 1 2

1. Part No.
2. Material:  
 (Blank): PBT, UL94V-0  
 GWT: PBT, UL94V-0, GWT 750 °C



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x6P	5.00	9.00
2x8P	7.00	11.00
2x10P	9.00	13.00
2x15P	14.00	18.00
2x20P	19.00	23.00
2x25P	24.00	28.00

Unit: mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002WR-S-XP

1.00mm pitch 90° Single Row Wafer - SMT TYPE

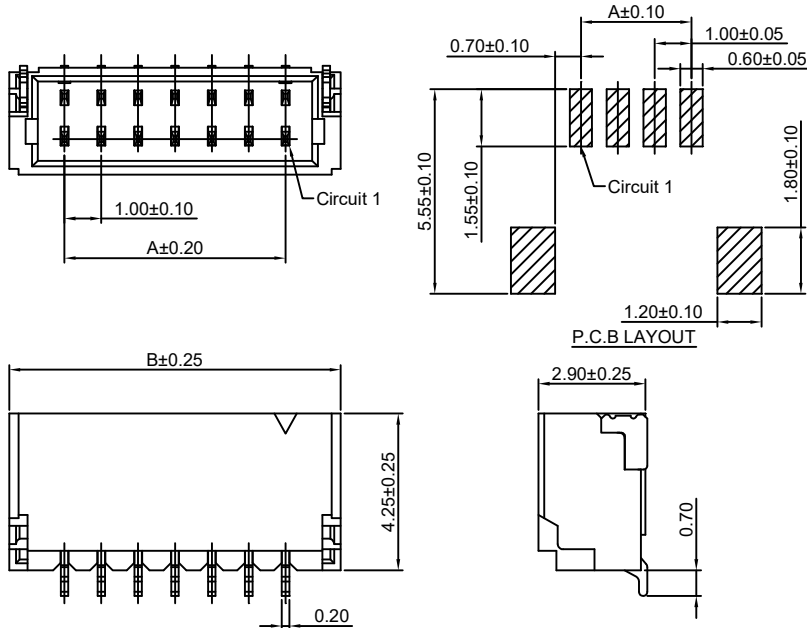
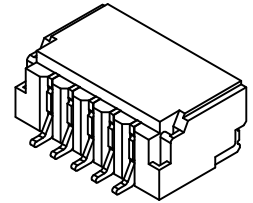
#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002H-XP(-2) series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

HDGC1002WR-S-XP - \*\*\* - \*\*  
1 2 3

- Part No.
- Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
- Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	4.00
3P	2.00	5.00
4P	3.00	6.00
5P	4.00	7.00
6P	5.00	8.00
7P	6.00	9.00
8P	7.00	10.00
9P	8.00	11.00
10P	9.00	12.00
11P	10.00	13.00
12P	11.00	14.00
13P	12.00	15.00
14P	13.00	16.00
15P	14.00	17.00
16P	15.00	18.00
17P	16.00	19.00
18P	17.00	20.00
19P	18.00	21.00
20P	19.00	22.00

Unit: mm

### HDGC1002WV-S-XP

1.00mm pitch 180° Single Row Wafer - SMT TYPE

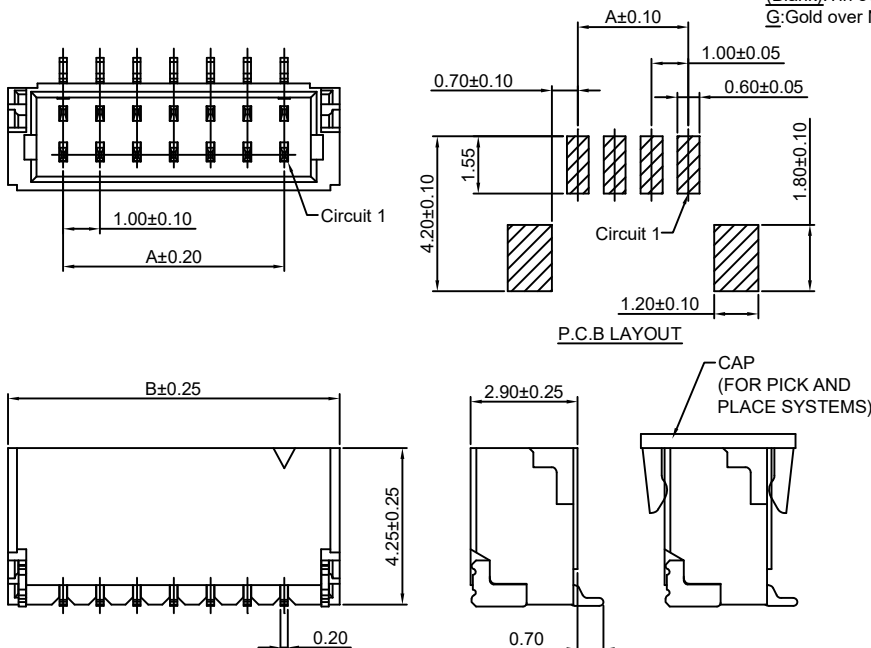
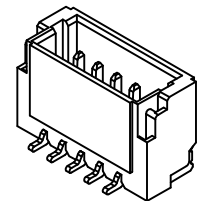
#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002H-XP(-2) series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

HDGC1002WV-S-XP - \*\*\* - \*\*  
1 2 3

- Part No.
- Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
- Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	4.00
3P	2.00	5.00
4P	3.00	6.00
5P	4.00	7.00
6P	5.00	8.00
7P	6.00	9.00
8P	7.00	10.00
9P	8.00	11.00
10P	9.00	12.00
11P	10.00	13.00
12P	11.00	14.00
13P	12.00	15.00
14P	13.00	16.00
15P	14.00	17.00
16P	15.00	18.00
17P	16.00	19.00
18P	17.00	20.00
19P	18.00	21.00
20P	19.00	22.00

Unit: mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002WVB-S-XP

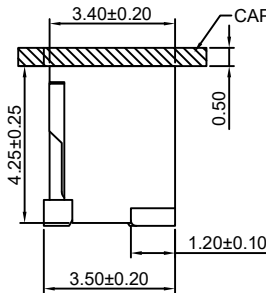
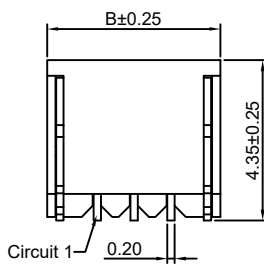
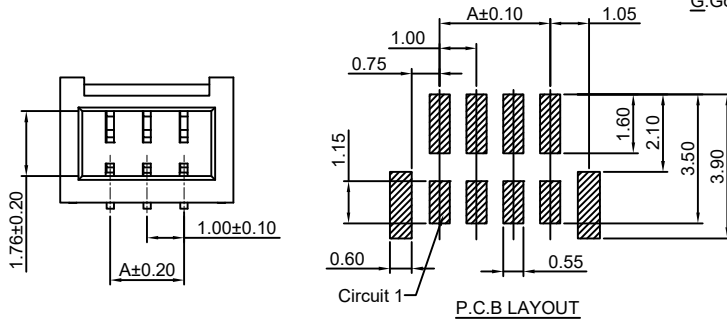
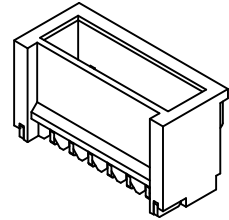
1.00mm pitch 180° Single Row Wafer - SMT TYPE

#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 9T, UL94V-0
- \*Mates with HDGC1002HB-XP series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

- HDGC1002WVB-S-XP - \*\*\* - \*\*  
1 2 3
- Part No.
  - Material:  
(Blank): Nylon 9T, UL94V-0  
GWT: Nylon 9T, UL94V-0, GWT 750 °C
  - Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	3.70
3P	2.00	4.70
4P	3.00	5.70
5P	4.00	6.70
6P	5.00	7.70
7P	6.00	8.70
8P	7.00	9.70
9P	8.00	10.70
10P	9.00	11.70
11P	10.00	12.70
12P	11.00	13.70
13P	12.00	14.70
14P	13.00	15.70
15P	14.00	16.70
16P	15.00	17.70
17P	16.00	18.70
18P	17.00	19.70
19P	18.00	20.70
20P	19.00	21.70

Unit: mm

### HDGC1002WRB-S-XP

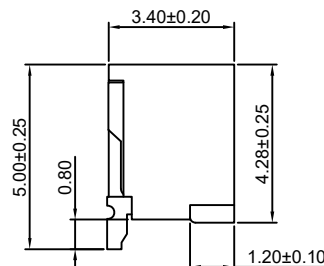
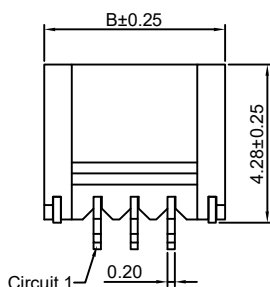
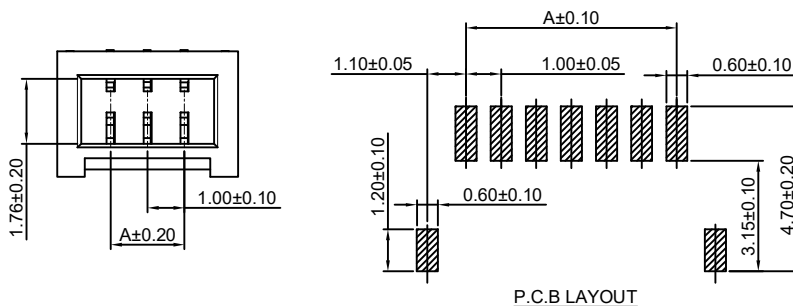
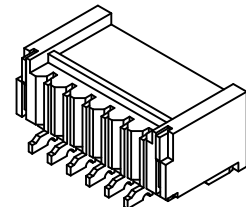
1.00mm pitch 90° Single Row Wafer - SMT TYPE

#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 9T, UL94V-0
- \*Mates with HDGC1002HB-XP series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

- HDGC1002WRB-S-XP - \*\*\* - \*\*  
1 2 3
- Part No.
  - Material:  
(Blank): Nylon 9T, UL94V-0  
GWT: Nylon 9T, UL94V-0, GWT 750 °C
  - Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.00	3.70
3P	2.00	4.70
4P	3.00	5.70
5P	4.00	6.70
6P	5.00	7.70
7P	6.00	8.70
8P	7.00	9.70
9P	8.00	10.70
10P	9.00	11.70
11P	10.00	12.70
12P	11.00	13.70
13P	12.00	14.70
14P	13.00	15.70
15P	14.00	16.70
16P	15.00	17.70
17P	16.00	18.70
18P	17.00	19.70
19P	18.00	20.70
20P	19.00	21.70

Unit: mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002WRC-S-XP

1.00mm pitch 90° Single Row Wafer - SMT TYPE

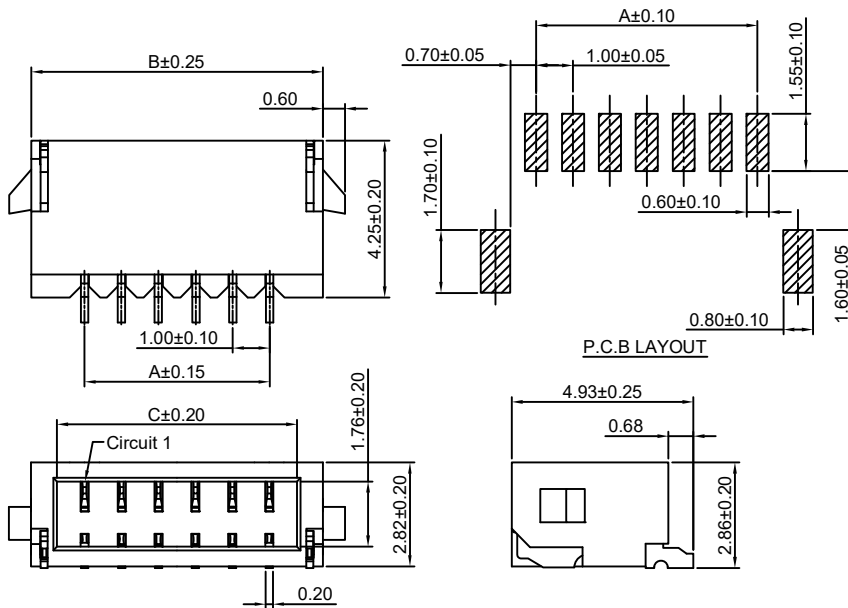
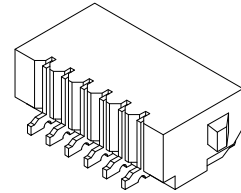
#### Reference Informations:

- \*Material: Pin: Brass/Tin over Nickel  
Solder Tabs: Brass/Tin over Nickel  
Insulator: Nylon 9T, UL94V-0
- \*Mates with HDGC1002HE-XP series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

HDGC1002WRC-S-XP - \*\*\* - \*\*  
1 2 3

1. Part No.
2. Material:  
(Blank): Nylon 9T, UL94V-0  
GWT: Nylon 9T, UL94V-0, GWT 750 °C
3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.90	2.50
3P	2.00	4.90	3.50
4P	3.00	5.90	4.50
5P	4.00	6.90	5.50
6P	5.00	7.90	6.50
7P	6.00	8.90	7.50
8P	7.00	9.90	8.50
9P	8.00	10.90	9.50
10P	9.00	11.90	10.50
11P	10.00	12.90	11.50
12P	11.00	13.90	12.50
13P	12.00	14.90	13.50
14P	13.00	15.90	14.50
15P	14.00	16.90	15.50
16P	15.00	17.90	16.50
17P	16.00	18.90	17.50
18P	17.00	19.90	18.50
19P	18.00	20.90	19.50
20P	19.00	21.90	20.50

Unit:mm

### HDGC1002WRD-S-XP

1.00mm pitch 90° Single Row Wafer - SMT TYPE

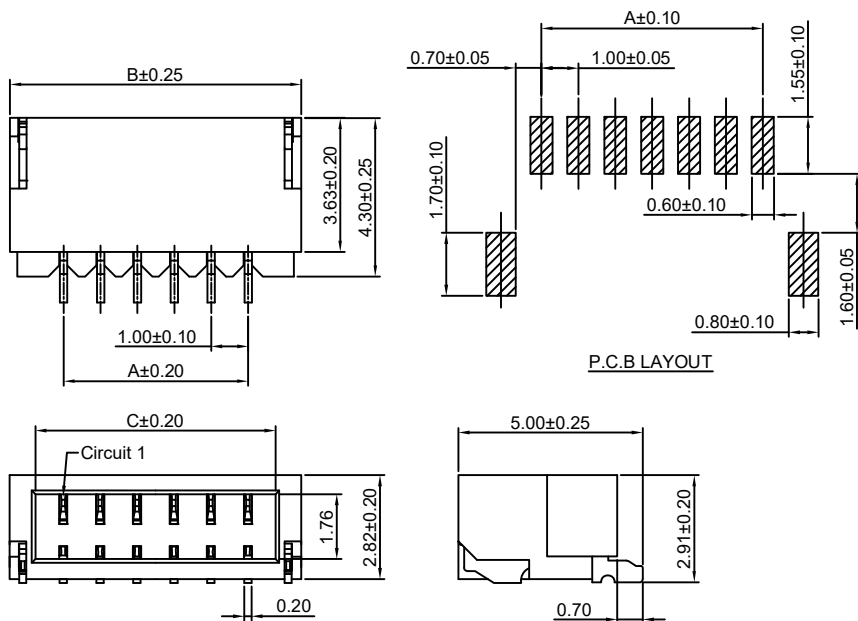
#### Reference Informations:

- \*Material: Pin: Brass/Tin over Nickel  
Solder Tabs: Brass/Tin over Nickel  
Insulator: Nylon 9T, UL94V-0
- \*Mates with HDGC1002HG, HI-XP series Single Row Housing
- \*Color: Ivory

#### Ordering Information:

HDGC1002WRD-S-XP - \*\*\* - \*\*  
1 2 3

1. Part No.
2. Material:  
(Blank): Nylon 9T, UL94V-0  
GWT: Nylon 9T, UL94V-0, GWT 750 °C
3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



#### Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.90	2.50
3P	2.00	4.90	3.50
4P	3.00	5.90	4.50
5P	4.00	6.90	5.50
6P	5.00	7.90	6.50
7P	6.00	8.90	7.50
8P	7.00	9.90	8.50
9P	8.00	10.90	9.50
10P	9.00	11.90	10.50
11P	10.00	12.90	11.50
12P	11.00	13.90	12.50
13P	12.00	14.90	13.50
14P	13.00	15.90	14.50
15P	14.00	16.90	15.50
16P	15.00	17.90	16.50
17P	16.00	18.90	17.50
18P	17.00	19.90	18.50
19P	18.00	20.90	19.50
20P	19.00	21.90	20.50

Unit:mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

### HDGC1002WV-S-2xXP

1.00mm pitch 180° Dual Row Wafer - SMT TYPE

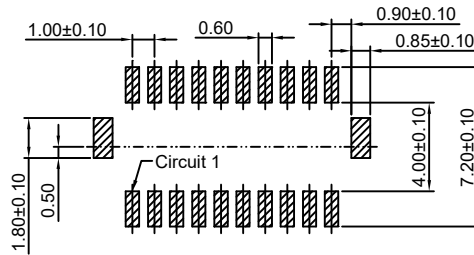
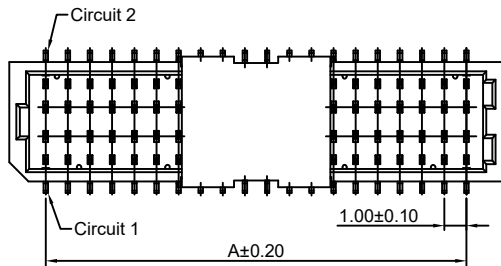
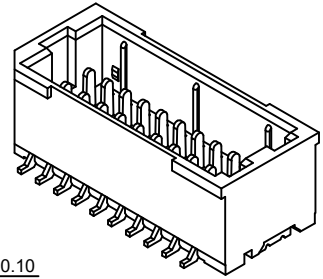
#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002H-2xXP series Dual Row Housing
- \*Color: Ivory

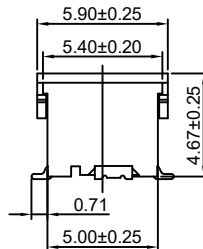
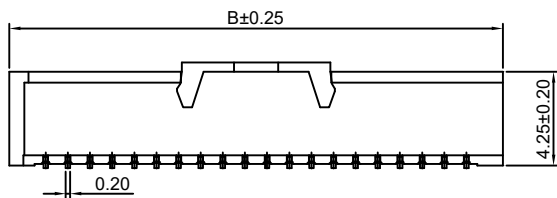
#### Ordering Information:

HDGC1002WV-S-2xXP - <sup>\*\*\*</sup> - <sup>\*\*</sup>  
1 2 3

1. Part No.
2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x6P	5.00	8.30
2x8P	7.00	10.30
2x10P	9.00	12.30
2x15P	14.00	17.30
2x20P	19.00	22.30
2x25P	24.00	27.30

Unit: mm

### HDGC1002WR-S-2xXP

1.00mm pitch 90° Dual Row Wafer - SMT TYPE

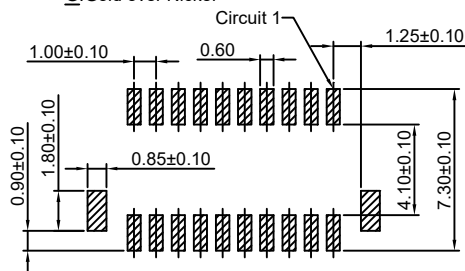
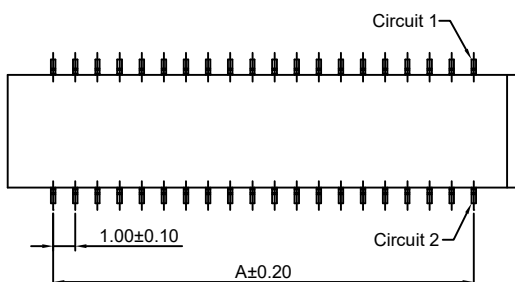
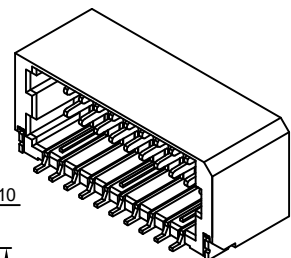
#### Reference Informations:

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002H-2xXP series Dual Row Housing
- \*Color: Ivory

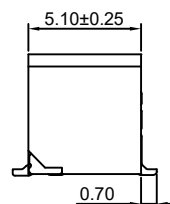
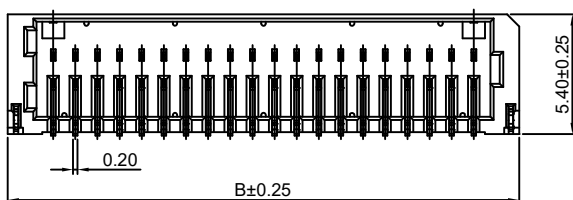
#### Ordering Information:

HDGC1002WR-S-2xXP - <sup>\*\*\*</sup> - <sup>\*\*</sup>  
1 2 3

1. Part No.
2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



#### Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x6P	5.00	8.30
2x8P	7.00	10.30
2x10P	9.00	12.30
2x15P	14.00	17.30
2x20P	19.00	22.30
2x25P	24.00	27.30

Unit: mm



## HDGC1002 Series 1.00mm (.039") Pitch Wire to Board Connector

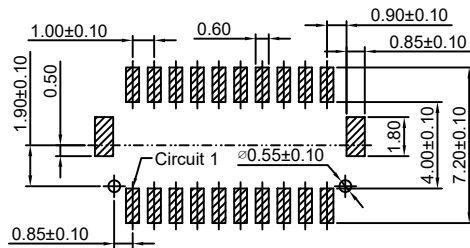
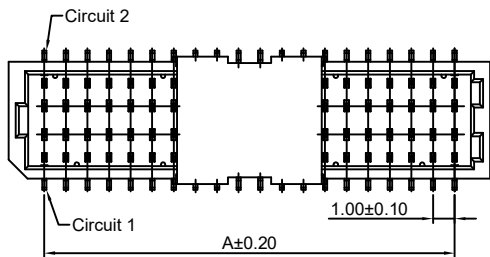
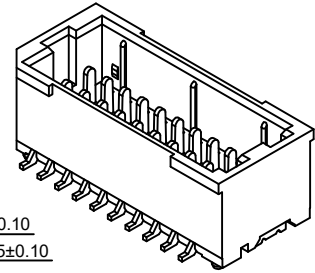
### HDGC1002WV-S-F-2xXP

1.00mm pitch 180° Dual Row Wafer - SMT TYPE

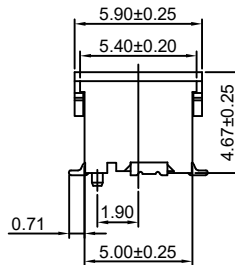
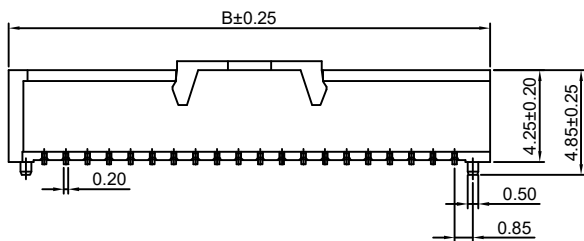
**Reference Informations:**

- \*Material: Pin: Phosphor Bronze/Tin over Nickel  
Solder Tabs: Phosphor Bronze/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002H-2xXP series Dual Row Housing
- \*Color: Ivory

- Ordering Information:  
 $\frac{\text{HDGC1002WV-S-F-2xXP} - \text{***} - \text{**}}{1 \quad 2 \quad 3}$
1. Part No.
  2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
  3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



**Ordering Information & Dimensions:**

PART NO.	Dimensions	
	A	B
2x6P	5.00	8.30
2x8P	7.00	10.30
2x10P	9.00	12.30
2x15P	14.00	17.30
2x20P	19.00	22.30
2x25P	24.00	27.30

Unit: mm

### HDGC1002WRA-S-XP

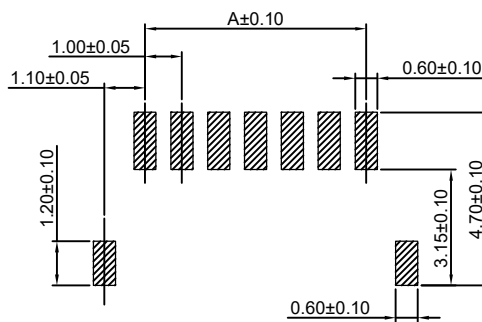
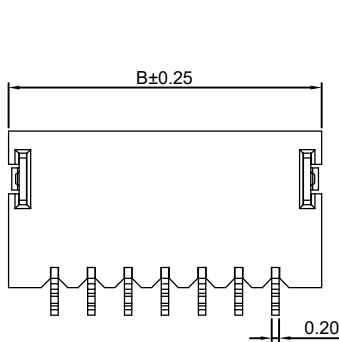
1.00mm pitch 90° Single Row Wafer - SMT TYPE

**Reference Informations:**

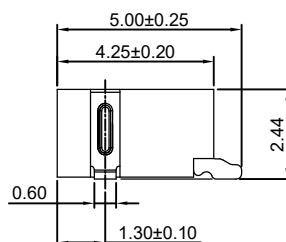
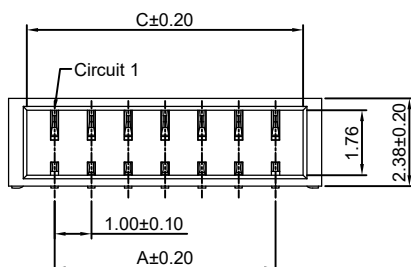
- \*Material: Pin: Brass/Tin over Nickel  
Solder Tabs: Brass/Tin over Nickel  
Insulator: Nylon 6T, UL94V-0
- \*Mates with HDGC1002HA-XP series Single Row Housing
- \*Color: Ivory

Ordering Information:  
 $\frac{\text{HDGC1002WRA-S-XP} - \text{***} - \text{**}}{1 \quad 2 \quad 3}$

1. Part No.
2. Material:  
(Blank): Nylon 6T, UL94V-0  
GWT: Nylon 6T, UL94V-0, GWT 750 °C
3. Finish:  
(Blank): Tin over Nickel  
G: Gold over Nickel



P.C.B LAYOUT



**Ordering Information & Dimensions:**

PART NO.	Dimensions		
	A	B	C
2P	1.00	3.50	2.50
3P	2.00	4.50	3.50
4P	3.00	5.50	4.50
5P	4.00	6.50	5.50
6P	5.00	7.50	6.50
7P	6.00	8.50	7.50
8P	7.00	9.50	8.50
9P	8.00	10.50	9.50
10P	9.00	11.50	10.50
11P	10.00	12.50	11.50
12P	11.00	13.50	12.50
13P	12.00	14.50	13.50
14P	13.00	15.50	14.50
15P	14.00	16.50	15.50
16P	15.00	17.50	16.50
17P	16.00	18.50	17.50
18P	17.00	19.50	18.50
19P	18.00	20.50	19.50
20P	19.00	21.50	20.50

Unit: mm