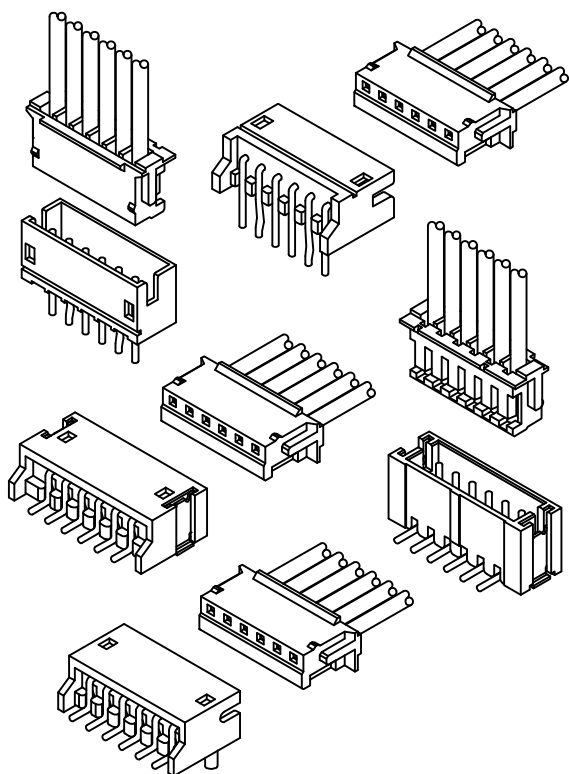


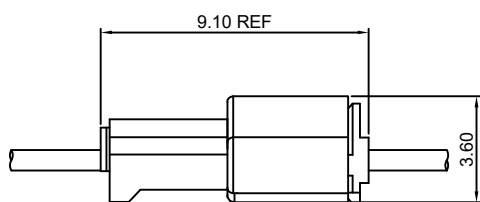


Specifications

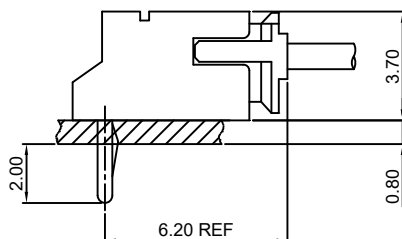
Current rating: 1A AC, DC
 Voltage rating: 100V AC, DC
 Temperature range: -25°C ~ +85°C
 Contact resistance: 20mΩ Max.
 Insulation resistance: 500MΩ Min.
 Withstanding voltage: 500V AC/minute
 Compliant with RoHS and REACH
 Meet the HF/Halogen Free, need to customize
 Contact HDGC for details



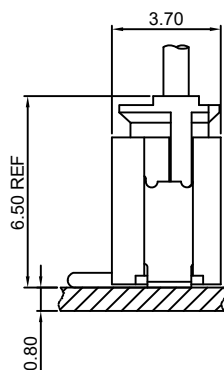
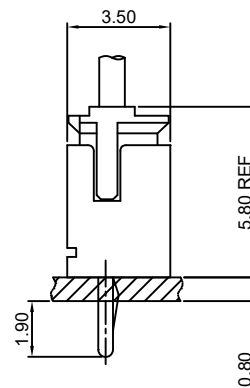
Assembly layout



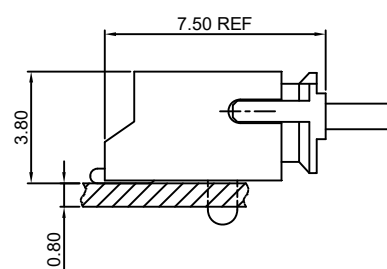
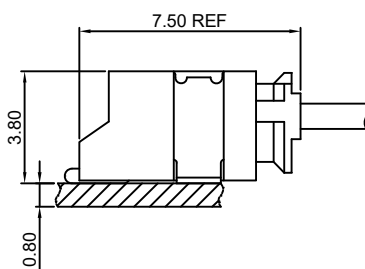
wire to wire



DIP TYPE



SMT TYPE





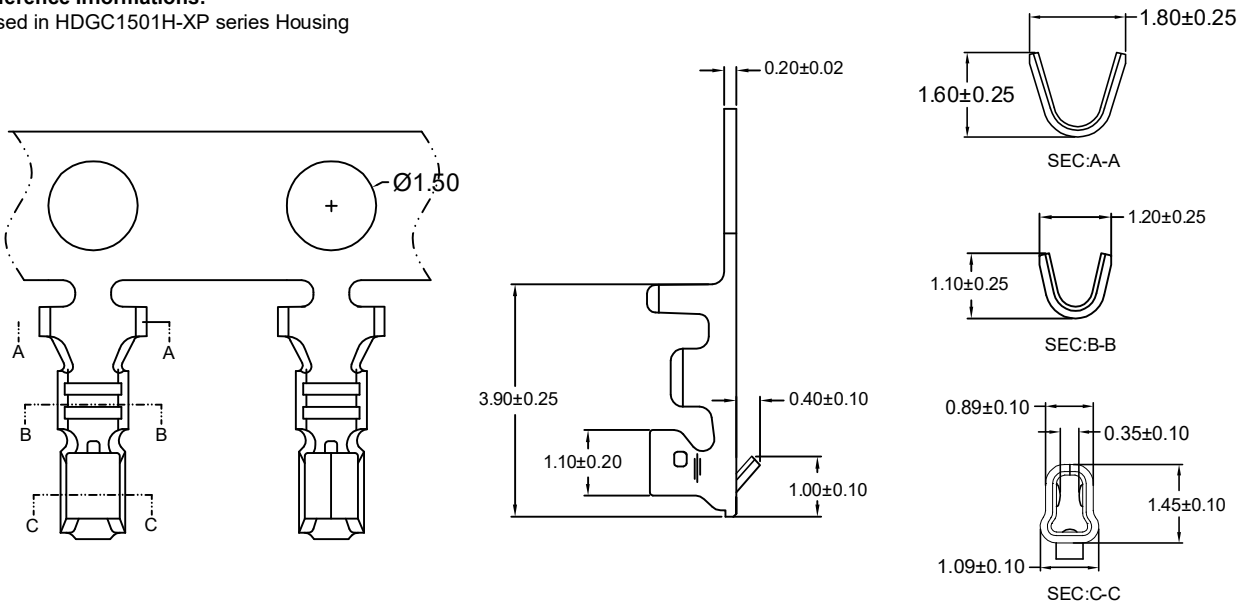
HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501-T

1.50mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1501H-XP series Housing



Ordering Information & Dimensions:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1501-TP	AWG#26-#32	1.10mm(max)	Phosphor Bronze	Tin over Nickel	19,000 PCS
HDGC1501-GP	AWG#26-#32	1.10mm(max)	Phosphor Bronze	Gold over Nickel	19,000 PCS
HDGC1501-TP-H	AWG#24-#30	1.50mm(max)	Phosphor Bronze	Tin over Nickel	19,000 PCS
HDGC1501-GP-H	AWG#24-#30	1.50mm(max)	Phosphor Bronze	Gold over Nickel	19,000 PCS

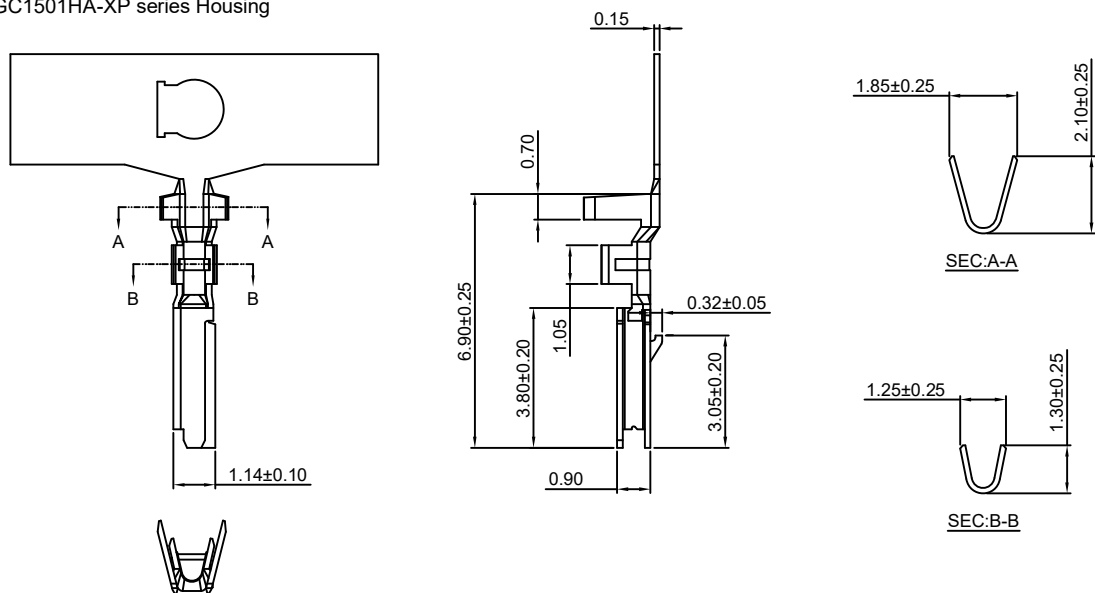
Optional Gold plating available but MOQ requested

HDGC1501-T-A

1.50mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1501HA-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1501-TP-A	AWG#24-#28	1.28mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
HDGC1501-GP-A	AWG#24-#28	1.28mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

Optional Gold plating available but MOQ requested



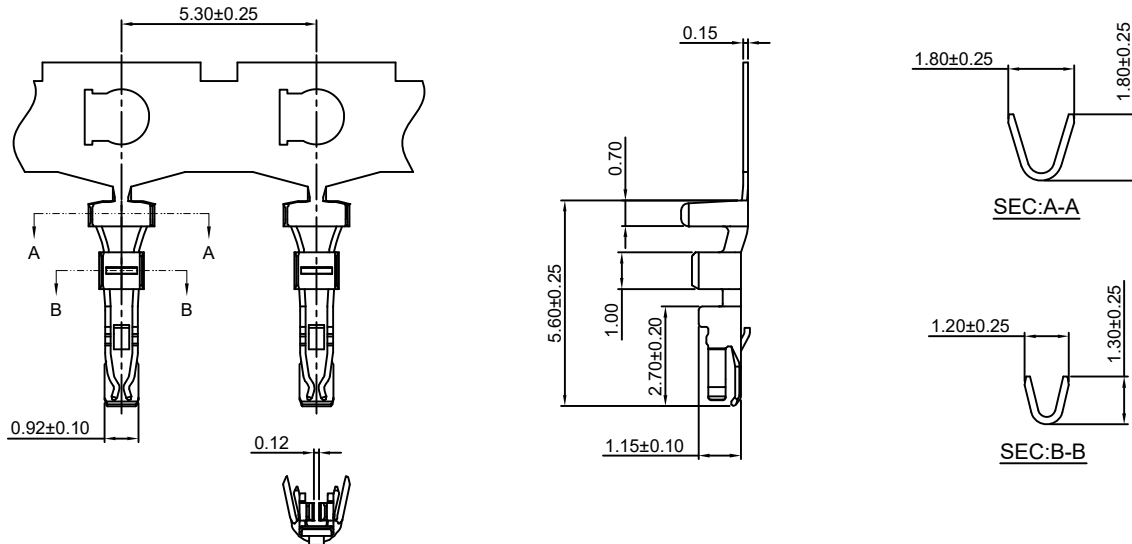
HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501-T-B

1.50mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1501HB-XP series Housing



Ordering information & Specifications:

Unit:mm

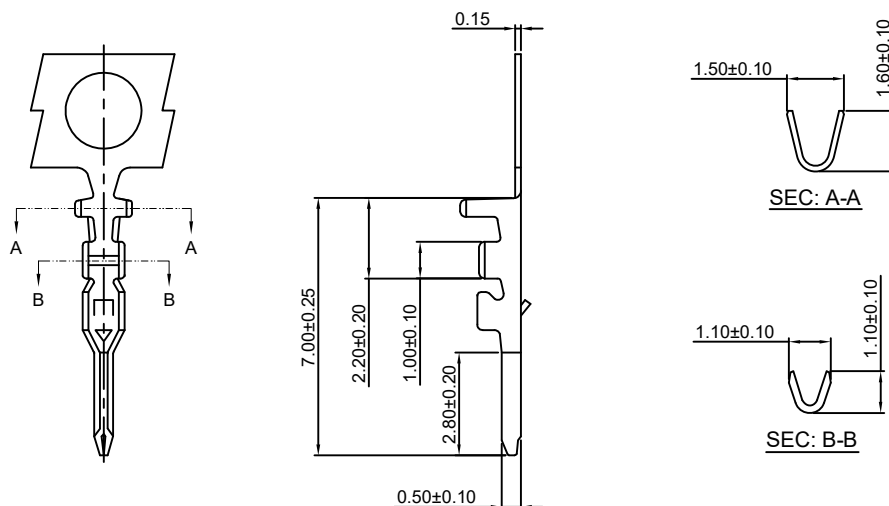
Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1501-GP-B	AWG#28-#32	1.10mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

HDGC1501M-T

1.50mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1501HM-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1501M-TP	AWG#28-#32	0.90mm(max)	Phosphor Bronze	Tin over Nickel	15,000 PCS
HDGC1501M-GP	AWG#28-#32	0.90mm(max)	Phosphor Bronze	Gold over Nickel	15,000 PCS

Optional Gold plating available but MOQ requested



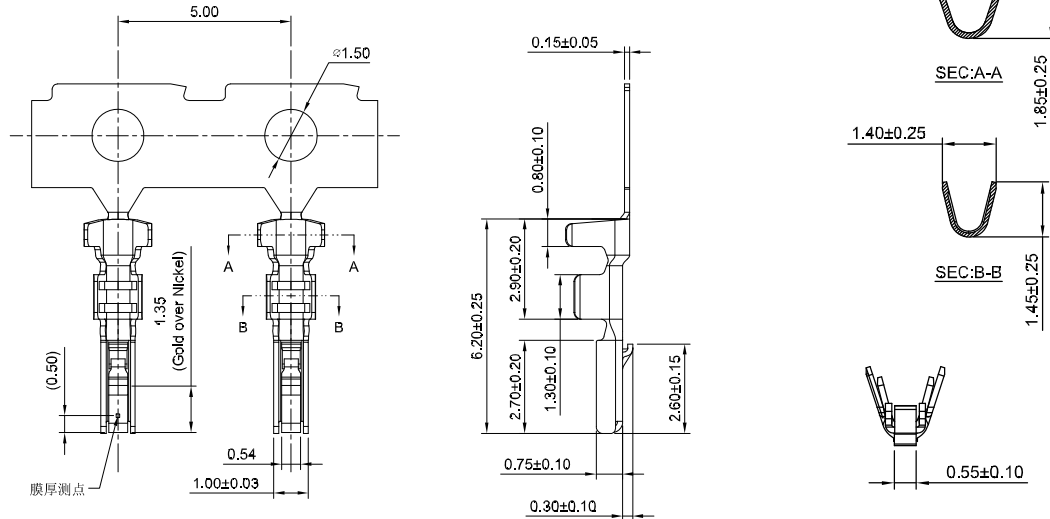
HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501-T-D

1.50mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1501HD-XP series Housing



Ordering information & Specifications:

Unit: mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1501-TP-D	AWG#24-#28	1.20mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
HDGC1501-GP-D	AWG#24-#28	1.20mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

Optional Gold plating available but MOQ requested

HDGC1501HD-XP

1.50mm pitch Housing

Reference Informations:

*Material: PBT, UL94V-0

*Suitable HDGC1501-T-D series Terminal

*Mates with HDGC1501WVD-S, WRD-S-XP series Wafer

*Color: White

Ordering Information:

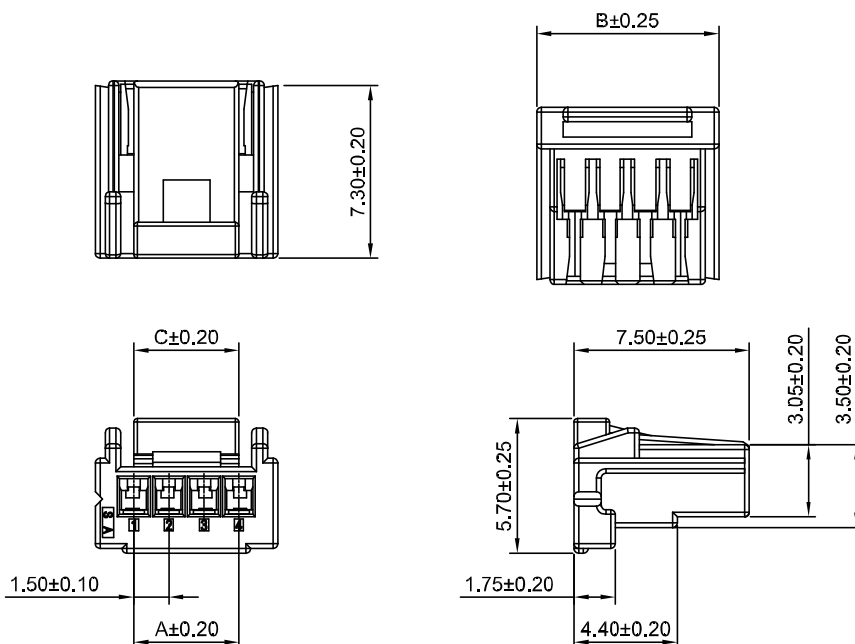
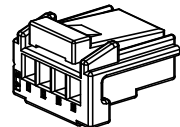
HDGC1501HD-XP - ***

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	1.50	5.00	2.70
3P	3.00	6.30	3.50
4P	4.50	7.80	4.50
5P	6.00	9.30	4.50
6P	7.50	10.80	7.50
7P	9.00	12.30	7.50
8P	10.50	13.80	9.80
9P	12.00	15.30	9.80
10P	13.50	16.80	9.80
11P	15.00	18.30	9.80
12P	16.50	19.80	9.80
13P	18.00	21.30	11.30
14P	19.50	22.80	11.30
15P	21.00	24.30	11.30
16P	22.50	25.80	11.30

Unit: mm



HDGC1501 SERIES



HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501H-XP

1.50mm pitch Housing

Reference Informations:

*Material:Nylon 66,UL94V-0

*Suitable HDGC1501-T(H) series Terminal

*Mates with HDGC1501HM-XP series Housing
and HDGC1501WV,WR,WV-S,WR-S-XP series Wafer

*Color:White

Ordering Information:

HDGC1501H-XP - *** - ***
1 2 3

1.Part No.

2.Material:

(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0 GWT 750 °C

3.Color:

(Blank):White

BK:Black

RD:Red

BL:Blue

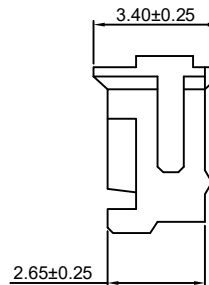
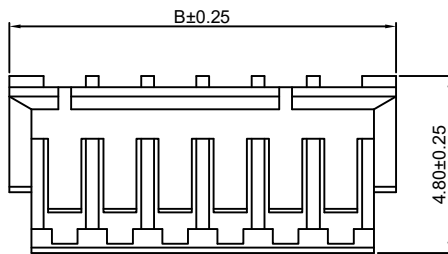
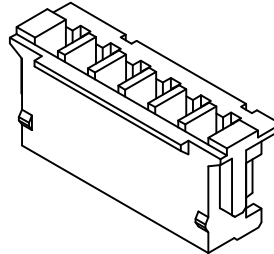
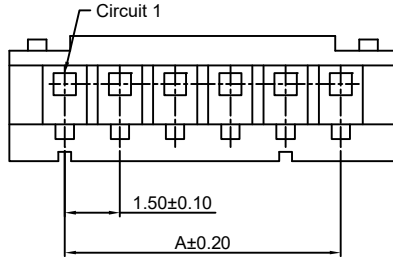
GN:Green

GY:Gray

LE:Light blue

LY:Lemon yellow

DO:Dark orange



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	4.50
3P	3.00	6.00
4P	4.50	7.50
5P	6.00	9.00
6P	7.50	10.50
7P	9.00	12.00
8P	10.50	13.50
9P	12.00	15.00
10P	13.50	16.50
11P	15.00	18.00
12P	16.50	19.50
13P	18.00	21.00
15P	21.00	24.00

Unit: mm

HDGC1501HA-XP

1.50mm pitch Housing

Reference Informations:

*Material:PBT,UL94V-0

*Suitable HDGC1501-T-A series Terminal

*Mates with HDGC1501WVA-S,WRA-S-XP series Wafer

*Color:Beige

Ordering Information:

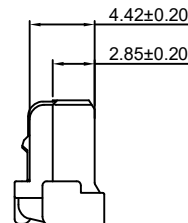
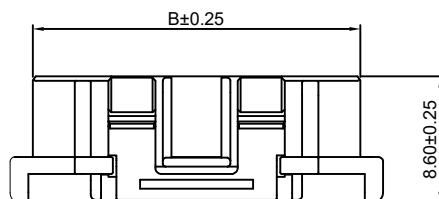
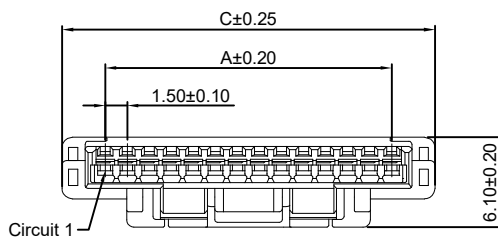
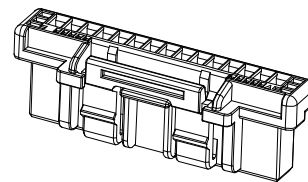
HDGC1501HA-XP - ***
1 2

1.Part No.

2.Material:

(Blank):PBT,UL94V-0

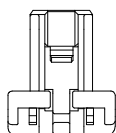
GWT:PBT,UL94V-0 GWT 750 °C



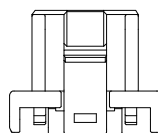
Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.50	4.25	7.30
3P	3.00	5.75	8.80
4P	4.50	7.25	10.30
5P	6.00	8.75	11.80
6P	7.50	10.25	13.30
7P	9.00	11.75	14.80
8P	10.50	13.25	16.30
9P	12.00	14.75	17.80
10P	13.50	16.25	19.30
11P	15.00	17.75	20.80
12P	16.50	19.25	22.30
13P	18.00	20.75	23.80
14P	19.50	22.25	25.30
15P	21.00	23.75	26.80

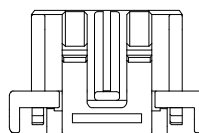
Unit: mm



2P,3P



4P,5P



6P~15P



HDGC1501 SERIES



HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501HB-XP

1.50mm pitch Housing

Reference Informations:

*Material:Nylon 66,UL94V-0

*Suitable HDGC1501-T-B series Terminal

*Mates with HDGC1501WRB-S-XP series Wafer

*Color:Black

Ordering Information:

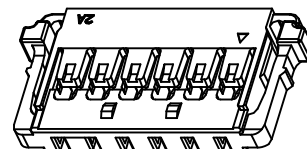
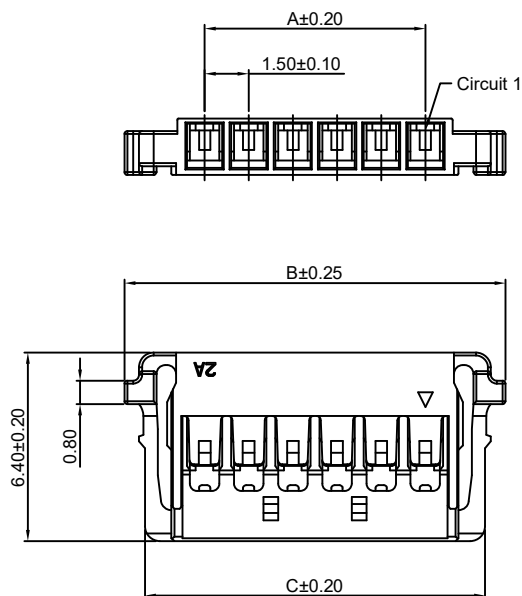
HDGC1501HB-XP - ***

1.Part No.

2.Material:

(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0 GWT 750℃



Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.50	6.95	5.55
3P	3.00	8.45	7.05
4P	4.50	9.95	8.55
5P	6.00	11.45	10.05
6P	7.50	12.95	11.55
7P	9.00	14.45	13.05
8P	10.50	15.95	14.55
9P	12.00	17.45	16.05
10P	13.50	18.95	17.55
11P	15.00	20.45	19.05
12P	16.50	21.95	20.55

Unit: mm

HDGC1501HM-XP

1.50mm pitch Housing

Reference Informations:

*Material:Nylon 66,UL94V-0

*Suitable HDGC1501M-T series Terminal

*Mates with HDGC1501H-XP series Housing

*Color:White

Ordering Information:

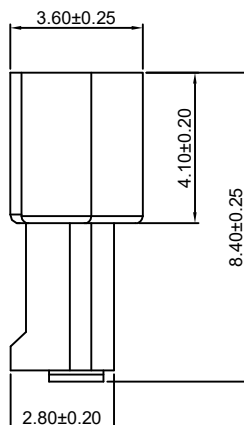
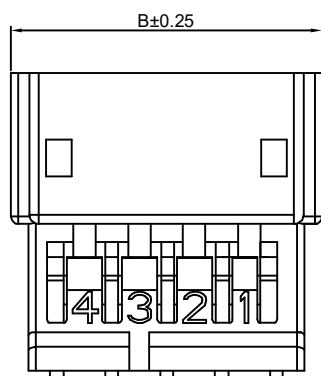
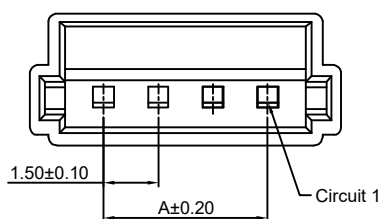
HDGC1501HM-XP - ***

1.Part No.

2.Material:

(Blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0 GWT 750℃



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	5.55
3P	3.00	7.05
4P	4.50	8.55
5P	6.00	10.05
6P	7.50	11.55
7P	9.00	13.05
8P	10.50	14.55
9P	12.00	16.05
10P	13.50	17.55
11P	15.00	19.05
12P	16.50	20.55
13P	18.00	22.05

Unit: mm



HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501WV-XP

1.50mm pitch 180° Wafer

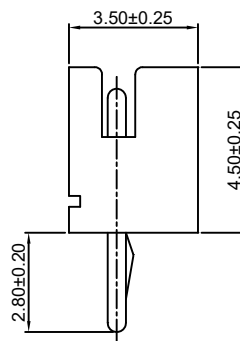
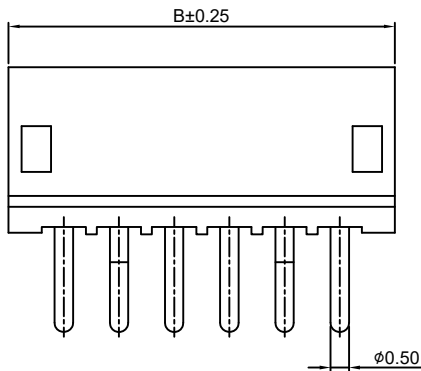
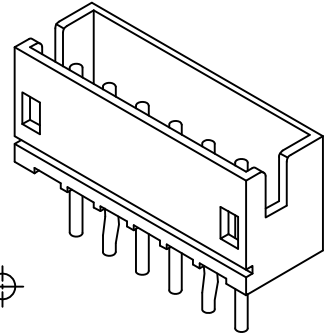
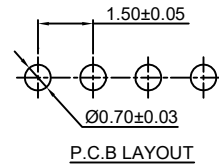
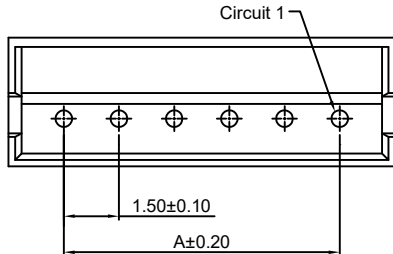
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC1501H-XP series Housing
- *Color: Ivory

Ordering Information:

HDGC1501WV-XP - *** - ** - **
1 2 3 4

1. Part No.
2. Material:
(Blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750 °C
3. Color:
(blank): Ivory
BK: Black
RD: Red
BL: Blue
GN: Green
YL: Yellow
4. Finish:
(Blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	4.50
3P	3.00	6.00
4P	4.50	7.50
5P	6.00	9.00
6P	7.50	10.50
7P	9.00	12.00
8P	10.50	13.50
9P	12.00	15.00
10P	13.50	16.50
11P	15.00	18.00
12P	16.50	19.50
13P	18.00	21.00
15P	21.00	24.00

Unit: mm

HDGC1501WR-XP

1.50mm pitch 90° Wafer

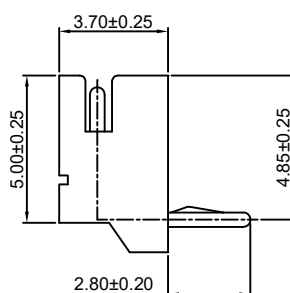
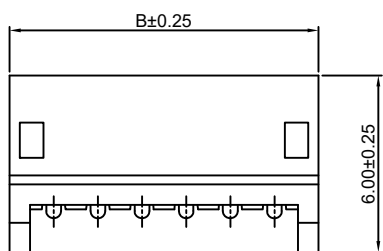
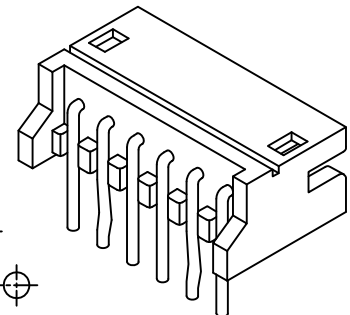
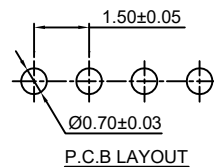
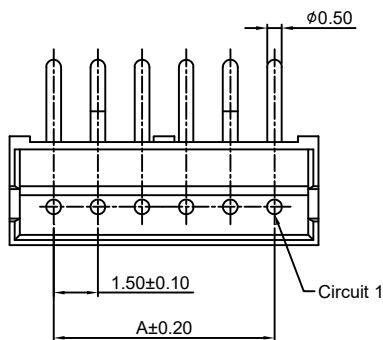
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC1501H-XP series Housing
- *Color: Ivory

Ordering Information:

HDGC1501WR-XP - *** - ** - **
1 2 3 4

1. Part No.
2. Material:
(Blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750 °C
3. Color:
(blank): Ivory
BK: Black
RD: Red
BL: Blue
GN: Green
YL: Yellow
4. Finish:
(Blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	4.50
3P	3.00	6.00
4P	4.50	7.50
5P	6.00	9.00
6P	7.50	10.50
7P	9.00	12.00
8P	10.50	13.50
9P	12.00	15.00
10P	13.50	16.50
11P	15.00	18.00
12P	16.50	19.50
13P	18.00	21.00
15P	21.00	24.00

Unit: mm



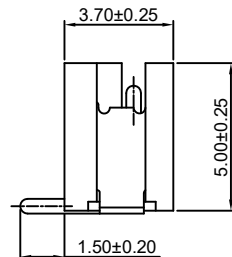
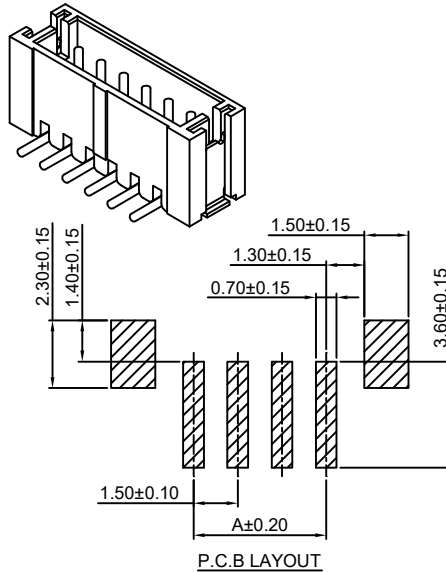
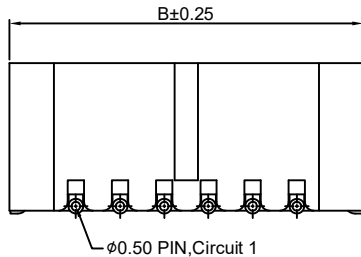
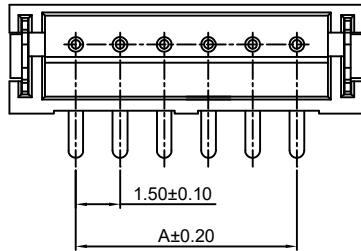
HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501WV-S-XP

1.50mm pitch 180° Wafer-SMT TYPE

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Solder Tabs: Brass/Gold over Nickel
Insulator: Nylon 6T, UL94V-0
Cap: Nylon 6T, UL94V-0
- *Mates with HDGC1501H-XP series Housing
- *Color: Ivory



Ordering Information:

- HDGC1501WV-S-XP - *** - ** - **
1 2 3 4
1. Part No.
 2. Material:
(Blank): Nylon 6T, UL94V-0
GWT: Nylon 6T, UL94V-0, GWT 750 °C
 3. Color:
(Blank): Ivory
BK: Black
RD: Red
BL: Blue
GN: Green
DH: Dark gray
LE: Light blue
LY: Lemon yellow
DO: Dark orange
 4. Finish:
(Blank): Tin over Nickel
G: Gold over Nickel

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	6.00
3P	3.00	7.50
4P	4.50	9.00
5P	6.00	10.50
6P	7.50	12.00
7P	9.00	13.50
8P	10.50	15.00
9P	12.00	16.50
10P	13.50	18.00
11P	15.00	19.50
12P	16.50	21.00
13P	18.00	22.50

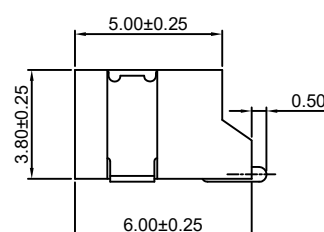
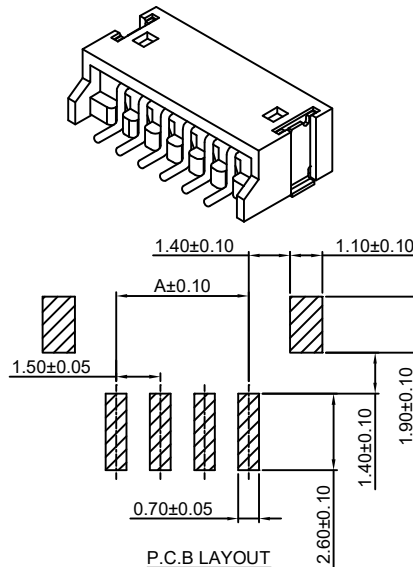
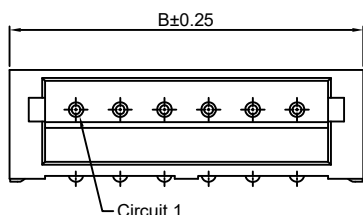
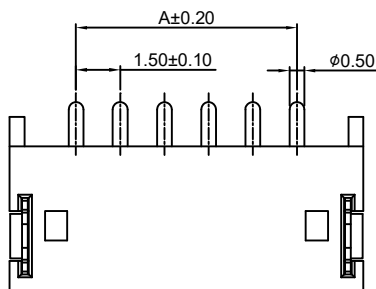
Unit: mm

HDGC1501WR-S-XP

1.50mm pitch 90° Wafer-SMT TYPE

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Solder Tabs: Brass/Gold over Nickel
Insulator: Nylon 6T, UL94V-0
- *Mates with HDGC1501H-XP series Housing
- *Color: Ivory



Ordering Information:

- HDGC1501WR-S-XP - *** - ** - **
1 2 3 4
1. Part No.
 2. Material:
(Blank): Nylon 6T, UL94V-0
GWT: Nylon 6T, UL94V-0 GWT 750 °C
 3. Color:
(Blank): Ivory
BK: Black
RD: Red
BL: Blue
GN: Green
DH: Dark gray
LE: Light blue
LY: Lemon yellow
DO: Dark orange
 4. Finish:
(Blank): Tin over Nickel
G: Gold over Nickel

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	6.00
3P	3.00	7.50
4P	4.50	9.00
5P	6.00	10.50
6P	7.50	12.00
7P	9.00	13.50
8P	10.50	15.00
9P	12.00	16.50
10P	13.50	18.00
11P	15.00	19.50
12P	16.50	21.00
13P	18.00	22.50

Unit: mm



HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501WR-S-XP-A

1.50mm pitch 90° Wafer DIP SMT TYPE

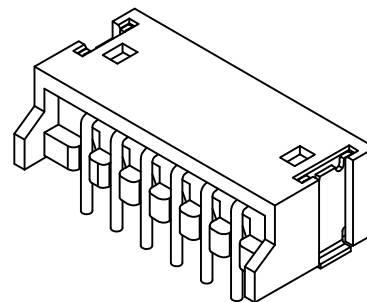
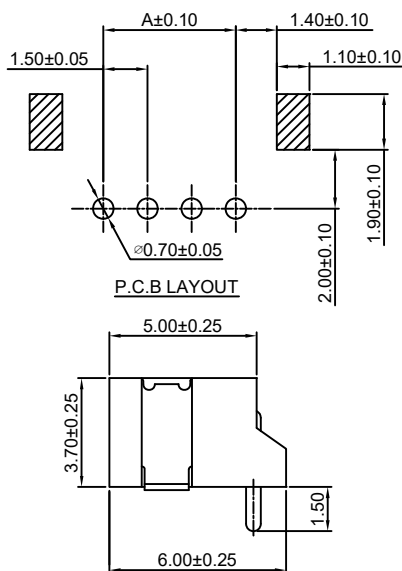
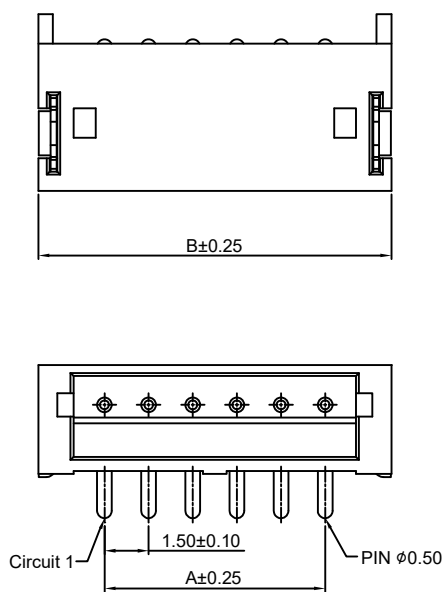
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Solder Tabs: Brass/Gold over Nickel
Insulator: Nylon 6T, UL94V-0
- *Mates with HDGC1501H-XP series Housing
- *Color: Ivory

Ordering Information:

HDGC1501WR-S-XP-A - *** - **
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



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	6.00
3P	3.00	7.50
4P	4.50	9.00
5P	6.00	10.50
6P	7.50	12.00
7P	9.00	13.50
8P	10.50	15.00
9P	12.00	16.50
10P	13.50	18.00
11P	15.00	19.50
12P	16.50	21.00
13P	18.00	22.50

Unit: mm

HDGC1501WVA-S-XP

1.50mm pitch 180° Wafer-SMT TYPE

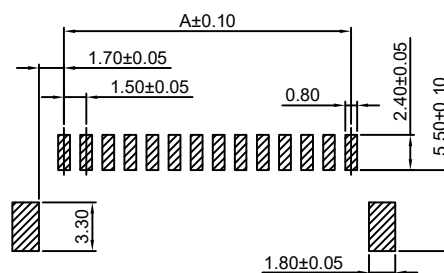
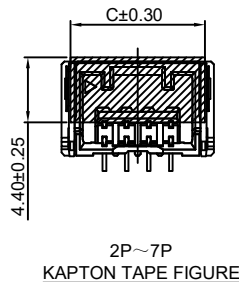
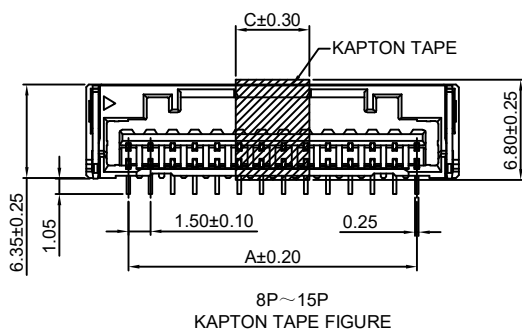
Reference Informations:

- *Material: Pin: Phosphor Bronze/Tin over Nickel
Solder Tabs: Brass/Tin over Nickel
Insulator: LCP, UL94V-0
- *Mates with HDGC1501HA-XP series Housing
- *Color: Ivory

Ordering Information:

HDGC1501WVA-S-XP - *** - **
1 2 3

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

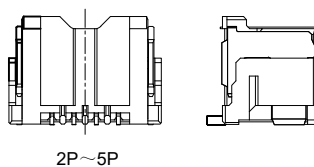
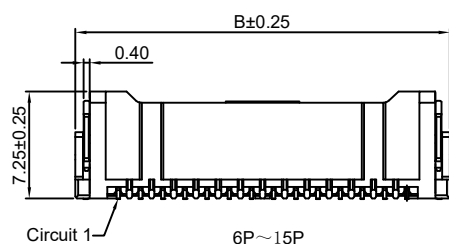


P.C.B LAYOUT

Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.50	7.30	6.10
3P	3.00	8.80	7.60
4P	4.50	10.30	9.10
5P	6.00	11.80	10.60
6P	7.50	13.30	12.10
7P	9.00	14.80	13.60
8P	10.50	16.30	5.00
9P	12.00	17.80	5.00
10P	13.50	19.30	5.00
11P	15.00	20.80	5.00
12P	16.50	22.30	5.00
13P	18.00	23.80	5.00
14P	19.50	25.30	5.00
15P	21.00	26.80	5.00

Unit: mm





HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501WRA-S-XP

1.50mm pitch 90° Wafer-SMT TYPE

Reference Informations:

*Material: Pin: Phosphor Bronze/Tin over Nickel
Solder Tabs: Brass/Tin over Nickel
Insulator: LCP, UL94V-0

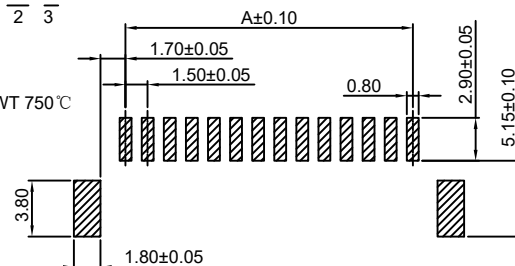
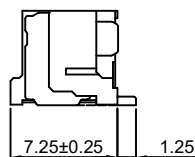
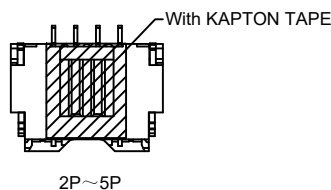
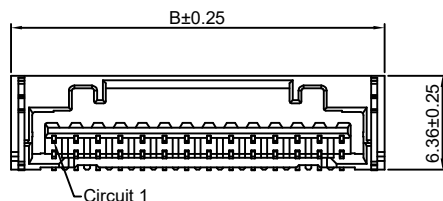
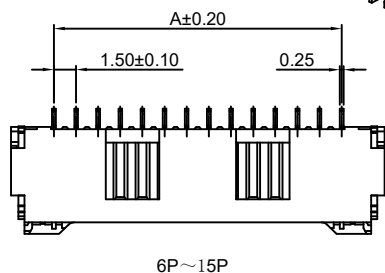
*Mates with HDGC1501HA-XP series Housing

*Color: Ivory

Ordering Information:

HDGC1501WRA-S-XP - *** - **
1 2 3

1. Part No.
2. Material:
(Blank): LCP, UL94V-0
GWT: LCP, 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
2P	1.50	7.30
3P	3.00	8.80
4P	4.50	10.30
5P	6.00	11.80
6P	7.50	13.30
7P	9.00	14.80
8P	10.50	16.30
9P	12.00	17.80
10P	13.50	19.30
11P	15.00	20.80
12P	16.50	22.30
13P	18.00	23.80
14P	19.50	25.30
15P	21.00	26.80

Unit: mm

HDGC1501WRB-S-XP

1.50mm pitch 90° Wafer-SMT TYPE

Reference Informations:

*Material: Pin: Brass/Gold over Nickel
Insulator: Nylon 9T, UL94V-0

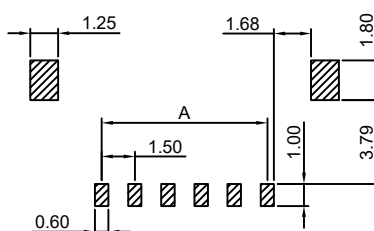
*Mates with HDGC1501HB-XP series Housing

*Color: Black

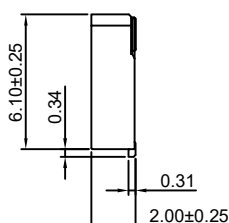
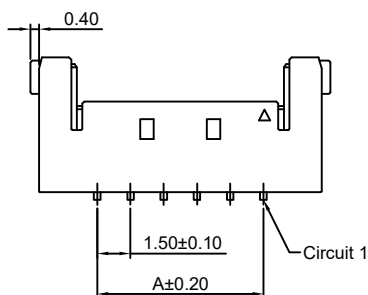
Ordering Information:

HDGC1501WRB-S-XP - ***
1 2

1. Part No.
2. Material:
(Blank): Nylon 9T, UL94V-0
GWT: Nylon 9T, UL94V-0, GWT 750 °C



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	6.75
3P	3.00	8.25
4P	4.50	9.75
5P	6.00	11.25
6P	7.50	12.75
7P	9.00	14.25
8P	10.50	15.75
9P	12.00	17.25
10P	13.50	18.75
11P	15.00	20.25
12P	16.50	21.75

Unit: mm



HDGC1501 Series 1.50mm (.059") Pitch Wire to Board and Wire to Wire Connector

HDGC1501WVD-S-XP

1.50mm pitch 180° Wafer-SMT TYPE

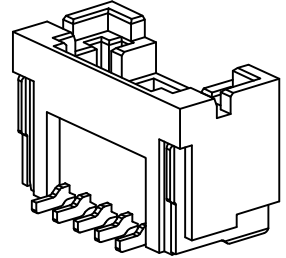
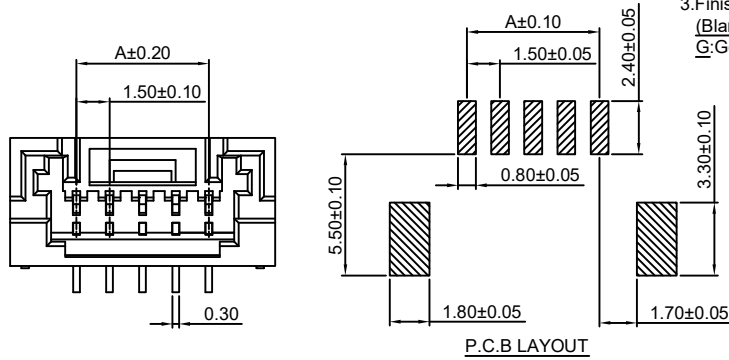
Reference Informations:

*Material:Pin:Phosphor Bronze/Tin over Nickel
Insulator:LCP,UL94V-0
*Color:Beige

Ordering Information:

HDGC1501WVD-S-XP - *** - **
1 2 3

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



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	7.50
3P	3.00	9.00
4P	4.50	10.50
5P	6.00	12.00
6P	7.50	13.50
7P	9.00	15.00
8P	10.50	16.50
9P	12.00	18.00
10P	13.50	19.50
11P	15.00	21.00
12P	16.50	22.50
13P	18.00	24.00
14P	19.50	25.50
15P	21.00	27.00
16P	22.50	28.50

Unit: mm

HDGC1501WRD-S-XP

1.50mm pitch 90° Wafer-SMT TYPE

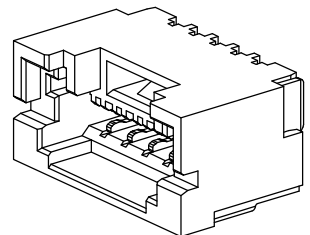
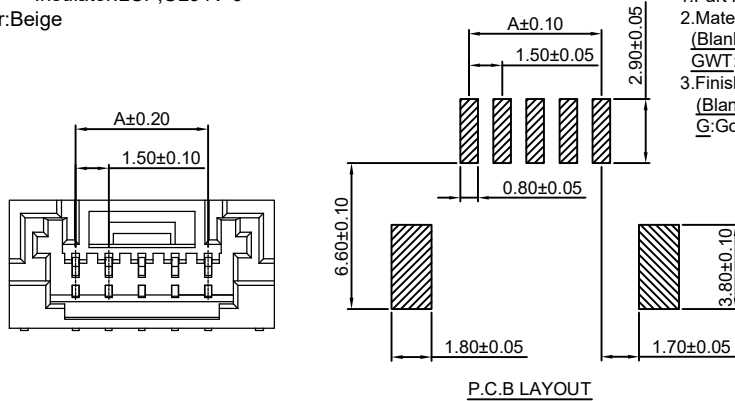
Reference Informations:

*Material:Pin:Phosphor Bronze/Tin over Nickel
Insulator:LCP,UL94V-0
*Color:Beige

Ordering Information:

HDGC1501WRD-S-XP - *** - **
1 2 3

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



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	1.50	7.50
3P	3.00	9.00
4P	4.50	10.50
5P	6.00	12.00
6P	7.50	13.50
7P	9.00	15.00
8P	10.50	16.50
9P	12.00	18.00
10P	13.50	19.50
11P	15.00	21.00
12P	16.50	22.50
13P	18.00	24.00
14P	19.50	25.50
15P	21.00	27.00
16P	22.50	28.50

Unit: mm