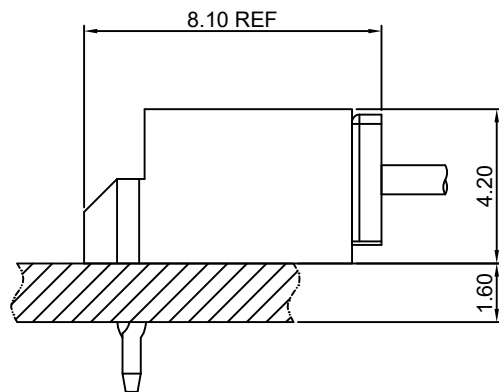
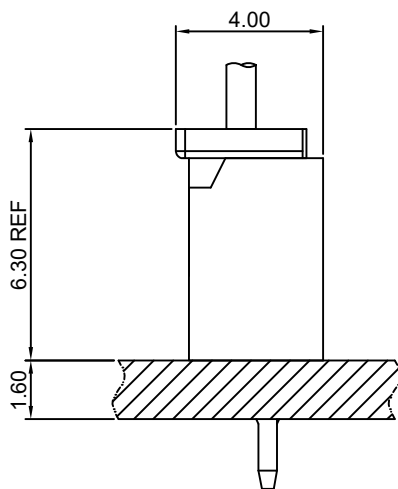


Specifications

- Current rating: 2A AC, DC
- Voltage rating: 100V AC, DC
- Temperature range: -25°C ~ +85°C
- Contact resistance: 10mΩ Max.
- Insulation resistance: 1000MΩ Min.
- Withstanding voltage: 800V AC/minute
- *Compliant with RoHS and REACH*
- *Meet the HF/Halogen Free, need to customize*
- *Contact HDGC for details*

Assembly layout





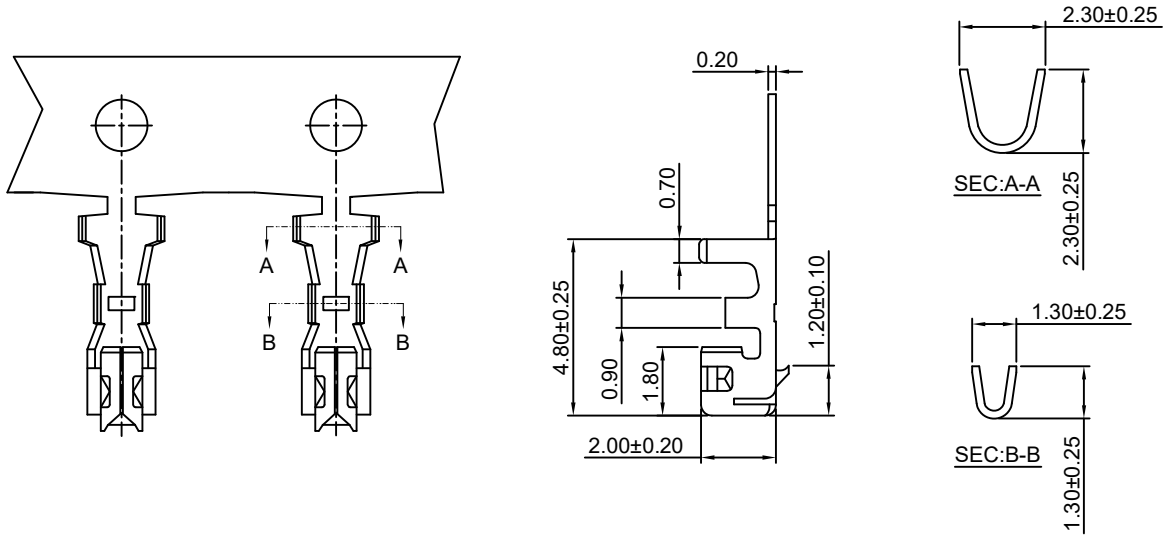
HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010-T

2.00mm Pitch Crimp Terminal

Reference Informations:

*Used in HDGC2010H, HA-XP, HDGC2010HA-2xXP, HDGC2008HA-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC2010-TP	AWG#24-#30	1.40mm(max)	Phosphor Bronze	Tin over Nickel	10,000 PCS
HDGC2010-GP	AWG#24-#30	1.40mm(max)	Phosphor Bronze	Gold over Nickel	10,000 PCS

Optional Gold plating available but MOQ requested

HDGC2010H-XP

2.00mm Pitch Housing

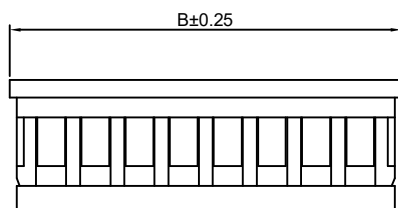
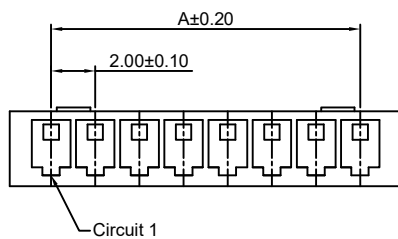
Reference Informations:

*Material:PBT+15%GF,UL94V-0

*Suitable HDGC2010-T series Terminal

*Mates with HDGC2010WV,WR-XP,HDGC2010WV-F-XP series Wafer

*Color:White



Ordering Information:

HDGC2010H-XP - *** - **
1 2 3

1.Part No.

2.Material:

(Blank):PBT+15%GF,UL94V-0

GWT:PBT,UL94V-0,GWT 750 °C

3.Color:

(Blank):White

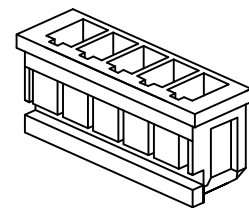
BK:Black

RD:Red

YL:Yellow

BL:Blue

GN:Green



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.00	5.80
3P	4.00	7.80
4P	6.00	9.80
5P	8.00	11.80
6P	10.00	13.80
7P	12.00	15.80
8P	14.00	17.80
9P	16.00	19.80
10P	18.00	21.80
11P	20.00	23.80
12P	22.00	25.80
13P	24.00	27.80
14P	26.00	29.80
15P	28.00	31.80

Unit: mm



HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010HA-XP

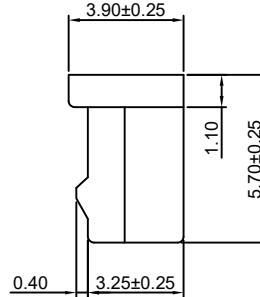
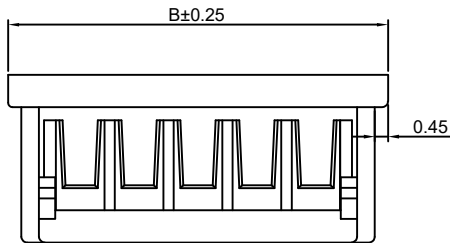
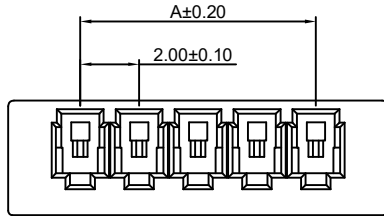
2.00mm Pitch Housing

Reference Informations:

*Material:PBT+15%GF,UL94V-0

*Suitable HDGC2010-T series Terminal

*Color:White



Ordering Information:

HDGC2010HA-XP - ***
1 2

1.Part No.

2.Material:

(Blank):PBT+15%GF,UL94V-0

GWT:PBT,UL94V-0,GWT 750℃

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.00	6.90
3P	4.00	8.90
4P	6.00	10.90
5P	8.00	12.90
6P	10.00	14.90
7P	12.00	16.90
8P	14.00	18.90
9P	16.00	20.90
10P	18.00	22.90
11P	20.00	24.90
12P	22.00	26.90
13P	24.00	28.90
14P	26.00	30.90
15P	28.00	32.90

Unit: mm



HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010HA-2xXP

2.00mm Pitch Dual Row Housing

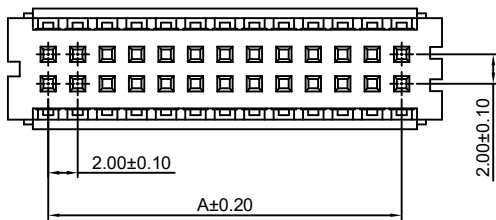
Reference Informations:

*Material:Nylon 66,UL94V-0

*Suitable HDGC2010-T series Terminal

*Mates with HDGC2010WVA-F-2xXP,HDGC2012WVB-F-2xXP series Dual Row Wafer

*Color:Gray



Ordering Information:

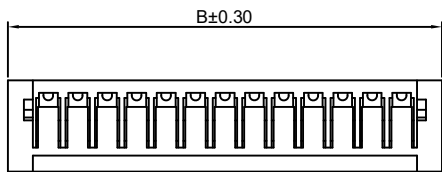
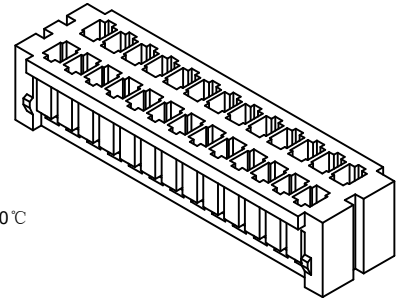
HDGC2010HA-2xXP - ***
1 2

1.Part No.

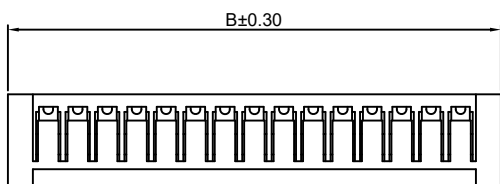
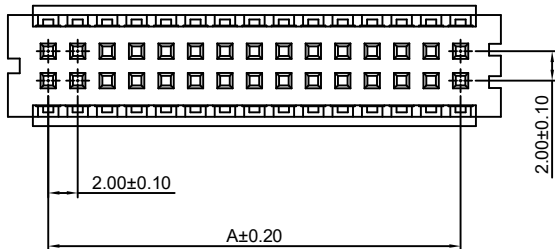
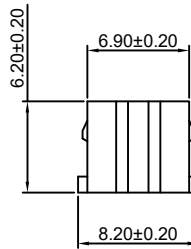
2.Material:

(Blank):Nylon 66,UL94V-0

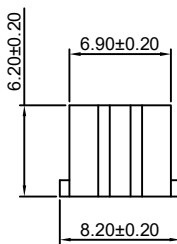
GWT:Nylon 66,UL94V-0,GWT 750℃



2x5P~2x14P



2x15P~2x30P



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x5P	8.00	13.50
2x6P	10.00	15.50
2x7P	12.00	17.50
2x8P	14.00	19.50
2x9P	16.00	21.50
2x10P	18.00	23.50
2x11P	20.00	25.50
2x12P	22.00	27.50
2x13P	24.00	29.50
2x14P	26.00	31.50
2x15P	28.00	33.50
2x16P	30.00	35.50
2x17P	32.00	37.50
2x20P	38.00	43.50
2x25P	48.00	53.50
2x30P	58.00	63.50

Unit: mm



HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010WV-XP

2.00mm Pitch 180° Wafer

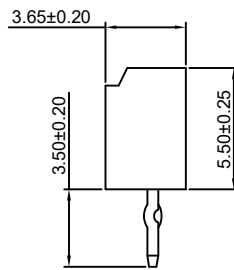
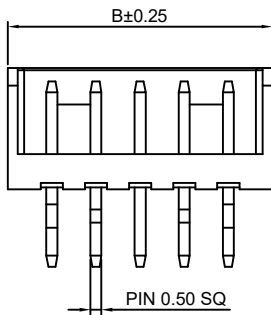
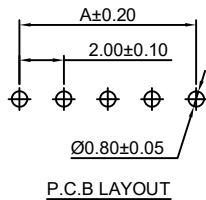
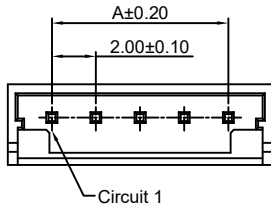
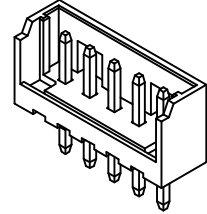
Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66+30%GF,UL94V-0
- *Mates with HDGC2010H-XP series Housing
- *Color:White

Ordering Information:

HDGC2010WV-XP - ^{***}/₁ - ^{**}/₂ - ^{**}/₃

- 1.Part No.
- 2.Material:
(Blank):Nylon 66+30%GF,UL94V-0
GWT:Nylon 66,UL94V-0,GWT 750 °C
- 3.Color:
(Blank):White
BK:Black
RD:Red
YL:Yellow
BL:Blue
GN:Green



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.00	6.00
3P	4.00	8.00
4P	6.00	10.00
5P	8.00	12.00
6P	10.00	14.00
7P	12.00	16.00
8P	14.00	18.00
9P	16.00	20.00
10P	18.00	22.00
11P	20.00	24.00
12P	22.00	26.00
13P	24.00	28.00
14P	26.00	30.00
15P	28.00	32.00

Unit: mm

HDGC2010WR-XP

2.00mm Pitch 90° Wafer

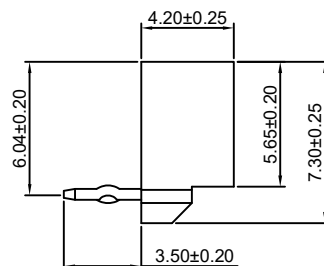
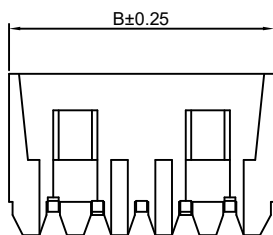
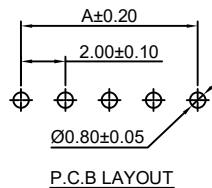
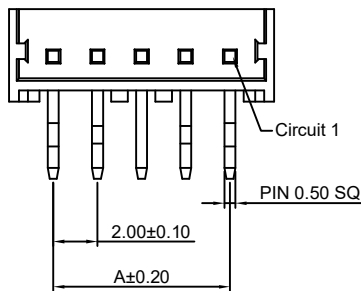
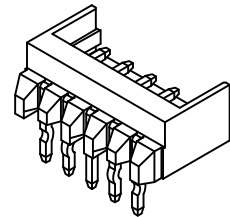
Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66+30%GF,UL94V-0
- *Mates with HDGC2010H-XP series Housing
- *Color:White

Ordering Information:

HDGC2010WR-XP - ^{***}/₁ - ^{**}/₂ - ^{**}/₃

- 1.Part No.
- 2.Material:
(Blank):Nylon 66+30%GF,UL94V-0
GWT:Nylon 66,UL94V-0,GWT 750 °C
- 3.Color:
(Blank):White
BK:Black
RD:Red
YL:Yellow
BL:Blue
GN:Green



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.00	6.00
3P	4.00	8.00
4P	6.00	10.00
5P	8.00	12.00
6P	10.00	14.00
7P	12.00	16.00
8P	14.00	18.00
9P	16.00	20.00
10P	18.00	22.00
11P	20.00	24.00
12P	22.00	26.00
13P	24.00	28.00
14P	26.00	30.00
15P	28.00	32.00

Unit: mm



HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010WV-F-XP

2.00mm Pitch 180° Wafer

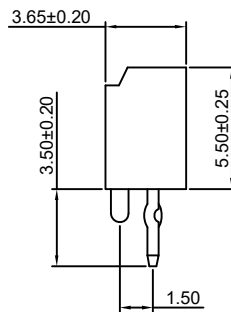
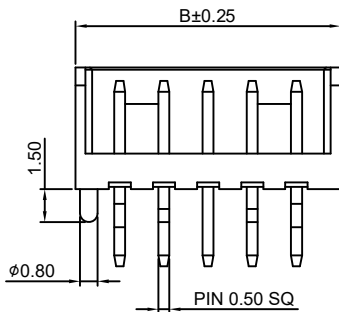
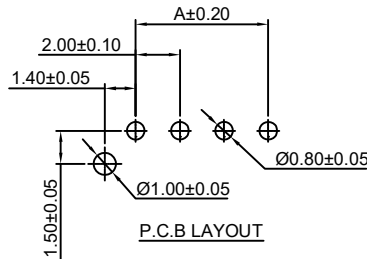
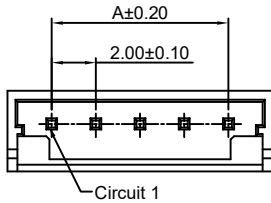
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66+30%GF, UL94V-0
- *Mates with HDGC2010H-XP series Housing
- *Color: White

Ordering Information:

HDGC2010WV-F-XP - *** - **
1 2 3

- Part No.
- Material:
(Blank): Nylon 66+30%GF, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750 °C
- Color:
(Blank): White
BK: Black
RD: Red
YL: Yellow
BL: Blue
GN: Green



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	2.00	6.00
3P	4.00	8.00
4P	6.00	10.00
5P	8.00	12.00
6P	10.00	14.00
7P	12.00	16.00
8P	14.00	18.00
9P	16.00	20.00
10P	18.00	22.00
11P	20.00	24.00
12P	22.00	26.00
13P	24.00	28.00
14P	26.00	30.00
15P	28.00	32.00

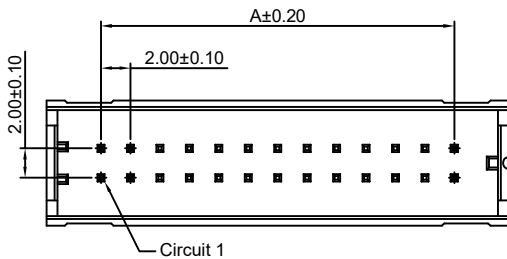
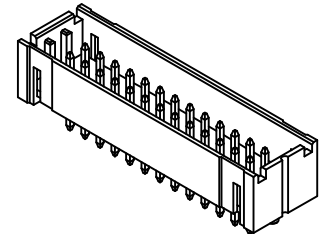
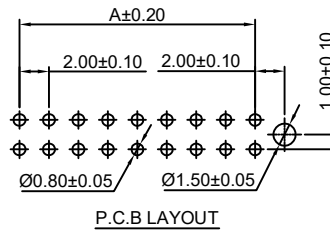
Unit: mm

HDGC2010WVA-F-2xXP

2.00mm Pitch 180° Dual Row Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC2010HA-2xXP series Dual Row Housing
- *Color: Gray



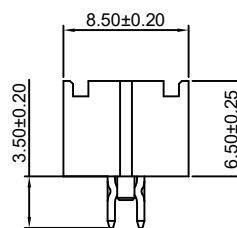
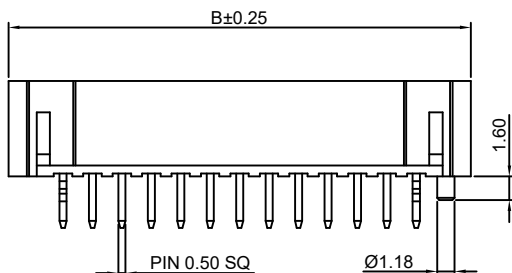
Ordering Information:
HDGC2010WVA-F-2xXP - ***
1 2

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

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x2P	2.00	9.40
2x3P	4.00	11.40
2x4P	6.00	13.40
2x5P	8.00	15.40
2x6P	10.00	17.40
2x7P	12.00	19.40
2x8P	14.00	21.40
2x9P	16.00	23.40
2x10P	18.00	25.40
2x11P	20.00	27.40
2x12P	22.00	29.40
2x13P	24.00	31.40
2x14P	26.00	33.40
2x15P	28.00	35.40
2x16P	30.00	37.40
2x17P	32.00	39.40
2x20P	38.00	45.40
2x25P	48.00	55.40
2x30P	58.00	65.40

Unit: mm





HDGC2010 Series 2.00mm (.079") Pitch Wire to Board Connector

HDGC2010WVB-F-2xXP

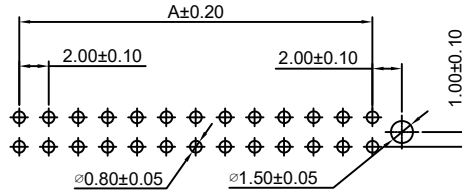
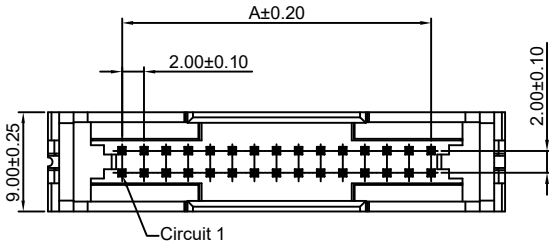
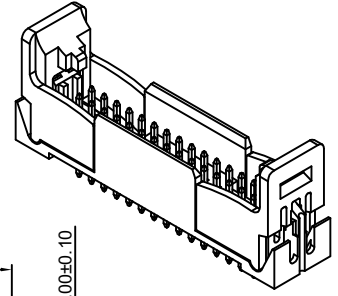
2.00mm Pitch 180° Dual Row Wafer

Reference Informations:

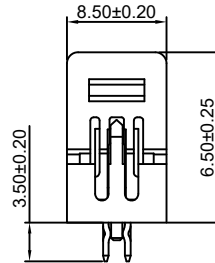
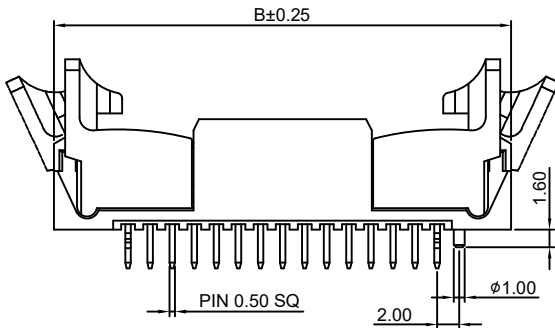
- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC2010HA-2xXP series Dual Row Housing
- *Color: Gray

Ordering Information:

- HDGC2010WVB-F-2xXP - ***
- | | |
|---|---|
| 1 | 2 |
|---|---|
1. Part No.
 2. Material:
(Blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750 °C



P.C.B LAYOUT



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2x15P	28.00	41.40
2x17P	32.00	45.40
2x20P	38.00	51.40
2x25P	48.00	61.40
2x30P	58.00	71.40

Unit: mm