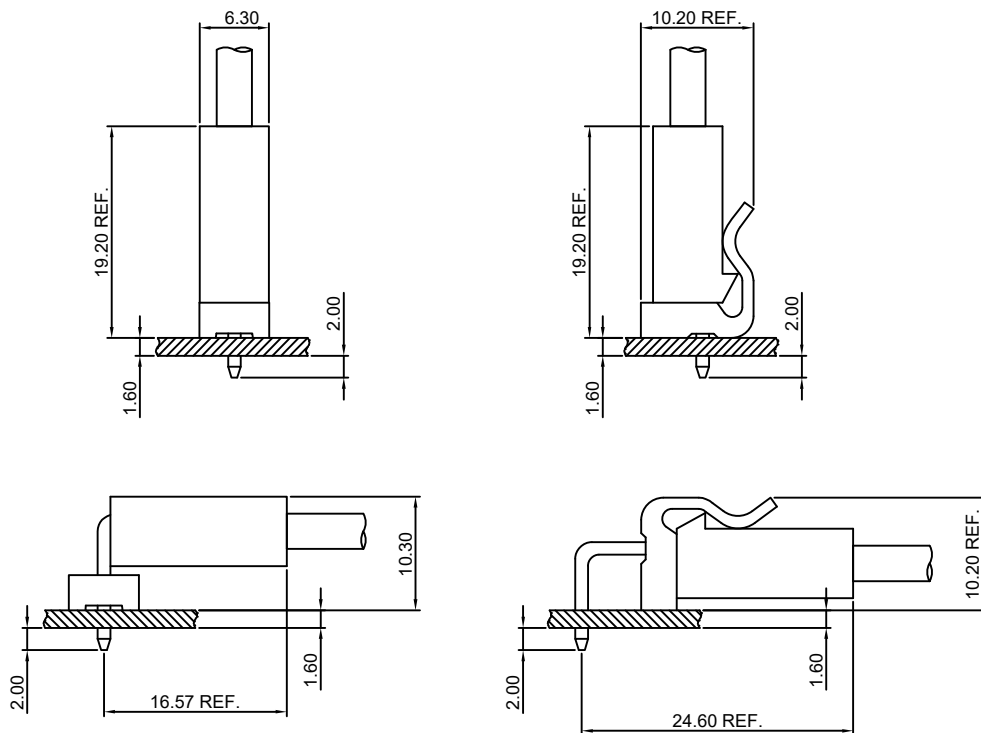


Specifications

- Current rating: 7A AC, DC
- Voltage rating: 250V AC, DC
- Temperature range: -25°C ~ +85°C
- Contact resistance: 10mΩ Max.
- Insulation resistance: 1000MΩ Min.
- Withstanding voltage: 1500V AC/minute
- *Compliant with RoHS and REACH*
- *Meet the HF/Halogen Free, GWT/Glow wire Test (IEC60335-1) request, need to customize*
- *Contact HDGC for details*

Assembly layout





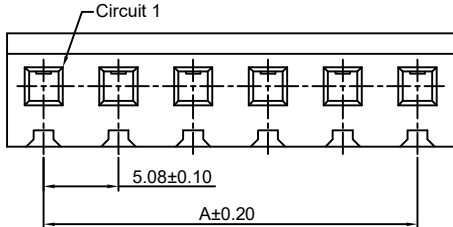
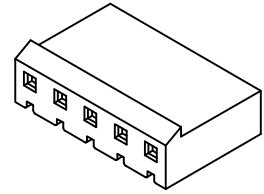
HDGC5081 Series 5.08mm (.200") Pitch Wire to Board Connector

HDGC5081H-XP

5.08mm pitch Housing

Reference Informations:

- *Material:Nylon 66,UL94V-2
- *Suitable HDGC3961-T(-1) series Terminal
- *Mates with HDGC5081WV,WR,WVA,WRA-XP(-A),WVB-XP HDGC5081WV-XP-R(-A),HDGC5081WVA-XP-R(-A) series Wafer
- *Color:Natural

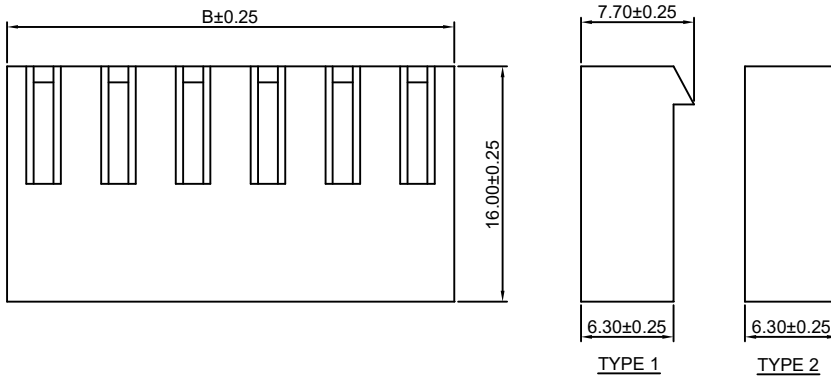


Ordering Information:
HDGC5081H-XP - * - ***
 1 2 3

- 1.Part No.
- 2.Style:
(blank)-Type 1
2-Type 2
- 3.Material:
(blank)-Nylon 66,UL94V-2(Natural)
V0-Nylon 66,UL94V-0(White)
GWT-Nylon 66,UL94V-0,GWT 750°C

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.08
3P	10.16	15.16
4P	15.24	20.24
5P	20.32	25.32
6P	25.40	30.40
7P	30.48	35.48
8P	35.56	40.56
9P	40.64	45.64
10P	45.72	50.72
11P	50.80	55.80
12P	55.88	60.88
13P	60.96	65.96
14P	66.04	71.04
15P	71.12	76.12
16P	76.20	81.20
17P	81.28	86.28
18P	86.36	91.36
19P	91.44	96.44
20P	96.52	101.52

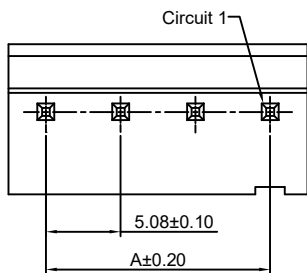
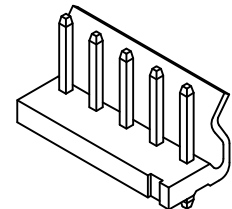


HDGC5081WV-XP

5.08mm pitch 180° Wafer

Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66,UL94V-2
- *Mates with HDGC5081H-XP,HDGC5082H-XP, HDGC5082H-XP-A series Housing
- *Color:Natural

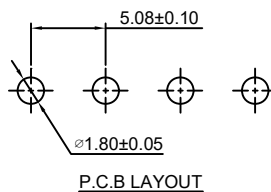
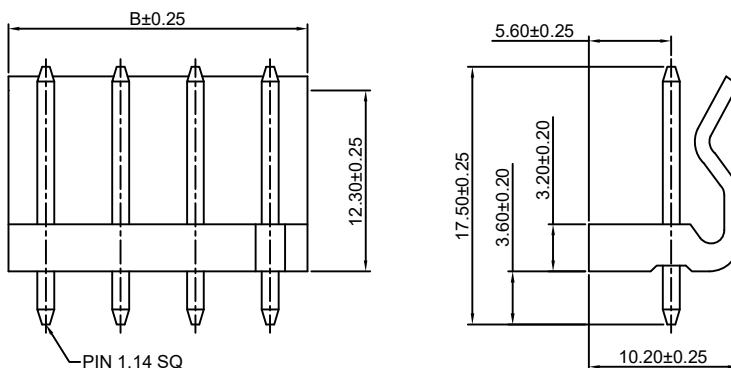


Ordering Information:
HDGC5081WV-XP - *** - **
 1 2 3

- 1.Part No.
- 2.Material:
(blank);Nylon 66,UL94V-2(Natural)
V0:Nylon 66,UL94V-0(White)
GWT:Nylon 66,UL94V-0,GWT 750°C
- 3.Finish:
(blank);Tin over Nickel
G:Gold over Nickel

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60





HDGC5081 Series 5.08mm (.200") Pitch Wire to Board Connector

HDGC5081WR-XP

5.08mm pitch 90° Wafer

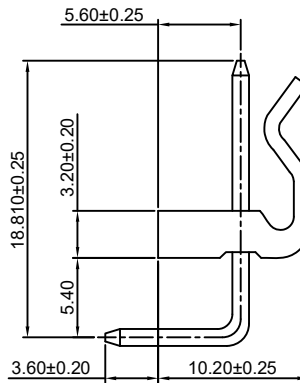
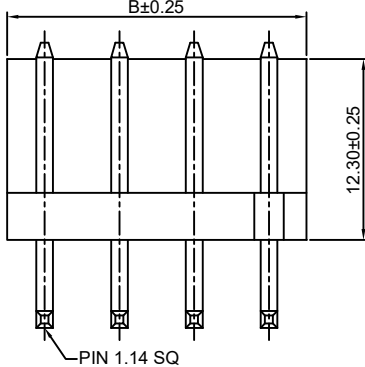
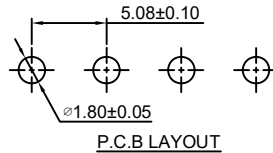
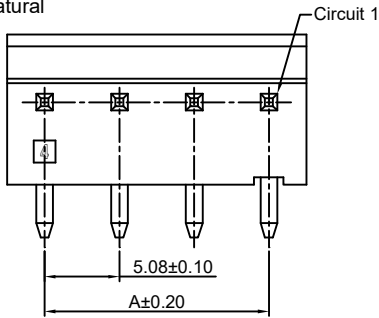
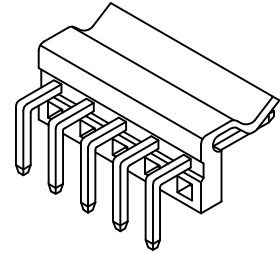
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP,
HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

HDGC5081WR-XP - *** - **
1 2 3

1. Part No.
2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
3. Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

HDGC5081WVA-XP

5.08mm pitch 180° Wafer

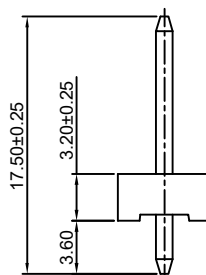
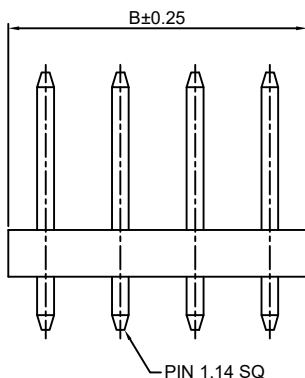
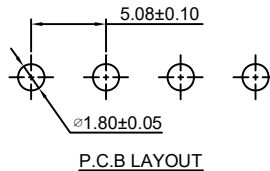
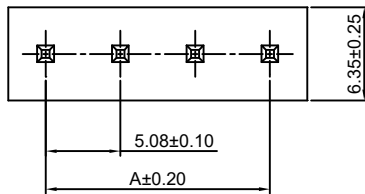
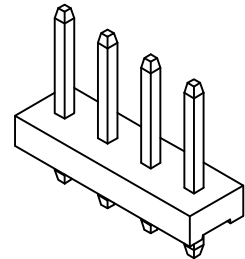
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP,
HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

HDGC5081WVA-XP - *** - **
1 2 3

1. Part No.
2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
3. Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm



HDGC5081 Series 5.08mm (.200") Pitch Wire to Board Connector

HDGC5081WRA-XP

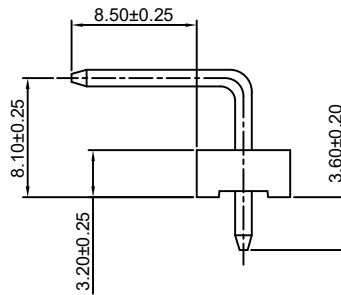
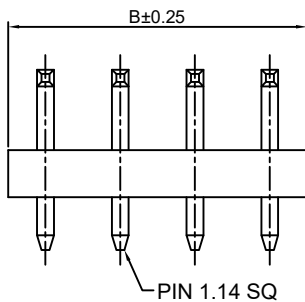
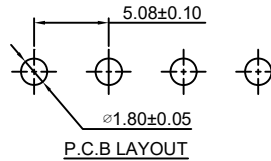
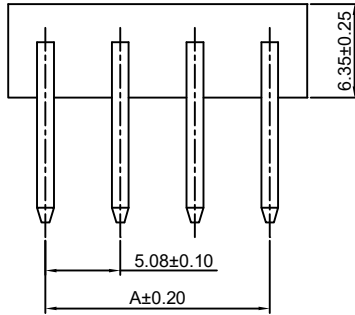
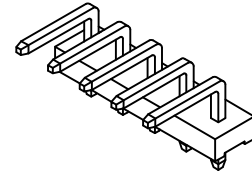
5.08mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP,
HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:
 $\frac{\text{HDGC5081WRA-XP}}{1} - \frac{***}{2} - \frac{**}{3}$

- Part No.
- Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
- Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

HDGC5081WVB-XP

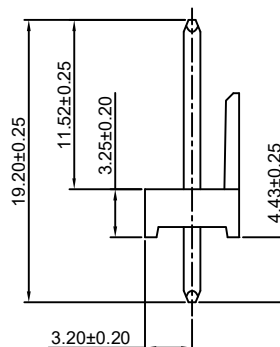
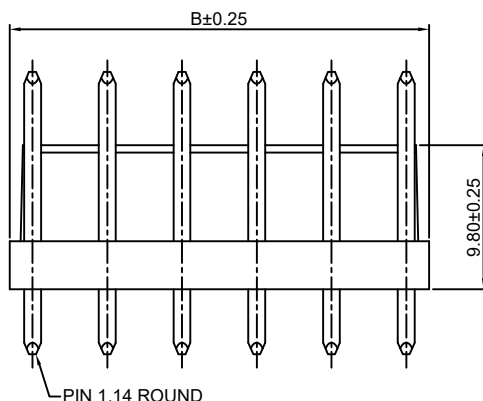
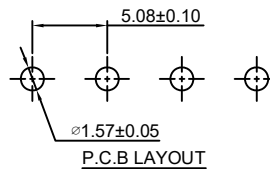
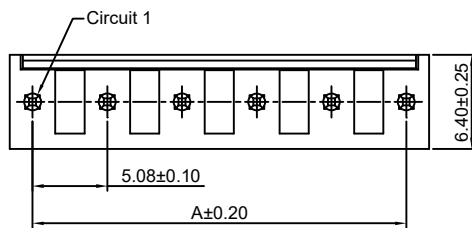
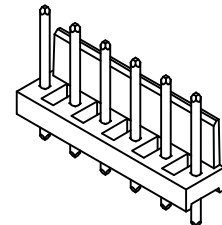
5.08mm pitch 180° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP,
HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:
 $\frac{\text{HDGC5081WVB-XP}}{1} - \frac{***}{2} - \frac{**}{3}$

- Part No.
- Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
- Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	8.20
3P	10.16	13.28
4P	15.24	18.36
5P	20.32	23.44
6P	25.40	28.52
7P	30.48	33.60
8P	35.56	38.68
9P	40.64	43.76
10P	45.72	48.84
11P	50.80	53.92
12P	55.88	59.00
13P	60.96	64.08
14P	66.04	69.16
15P	71.12	74.24
16P	76.20	79.32
17P	81.28	84.40
18P	86.36	89.48
19P	91.44	94.56
20P	96.52	99.64

Unit: mm



HDGC5081 Series 5.08mm (.200") Pitch Wire to Board Connector

HDGC5081WV-XP-R

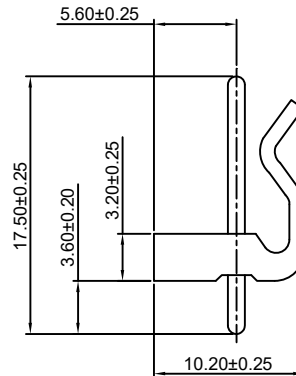
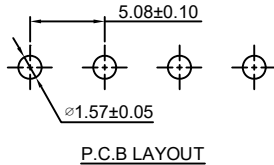
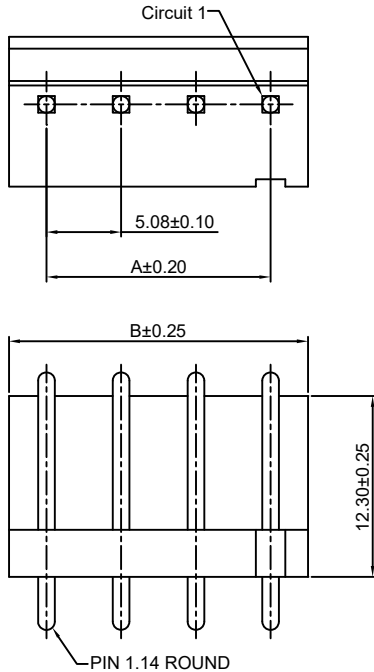
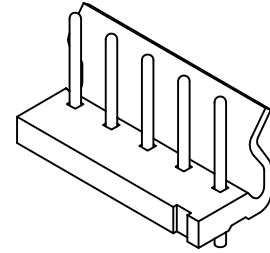
5.08mm pitch 180° Wafer Round Pin

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP, HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

- HDGC5081WV-XP-R - *** - **
1 2 3
1. Part No.
 2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
 3. Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm

HDGC5081WVA-XP-R

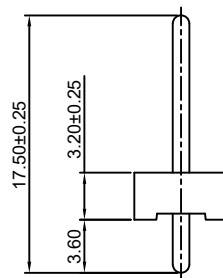
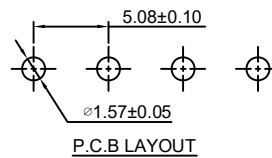
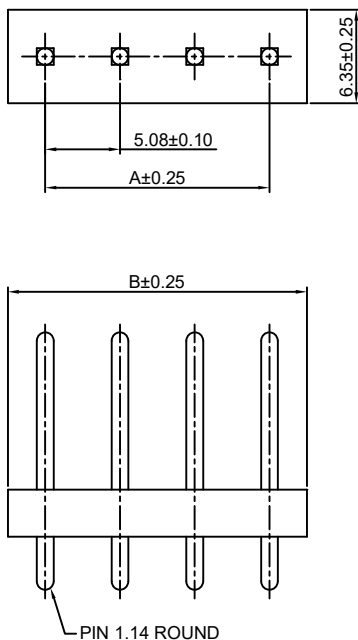
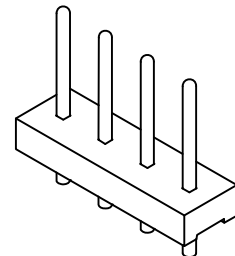
5.08mm pitch 180° Wafer Round Pin

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP, HDGC5082H-XP-A series Housing
- *Color: Natural

Ordering Information:

- HDGC5081WVA-XP-R - *** - **
1 2 3
1. Part No.
 2. Material:
(blank): Nylon 66, UL94V-2 (Natural)
V0: Nylon 66, UL94V-0 (White)
GWT: Nylon 66, UL94V-0, GWT 750°C
 3. Finish:
(blank): Tin over Nickel
G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	5.08	10.16
3P	10.16	15.24
4P	15.24	20.32
5P	20.32	25.40
6P	25.40	30.48
7P	30.48	35.56
8P	35.56	40.64
9P	40.64	45.72
10P	45.72	50.80
11P	50.80	55.88
12P	55.88	60.96
13P	60.96	66.04
14P	66.04	71.12
15P	71.12	76.20
16P	76.20	81.28
17P	81.28	86.36
18P	86.36	91.44
19P	91.44	96.52
20P	96.52	101.60

Unit: mm



HDGC5081 Series 5.08mm (.200") Pitch Wire to Board Connector

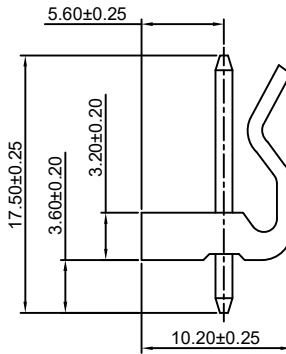
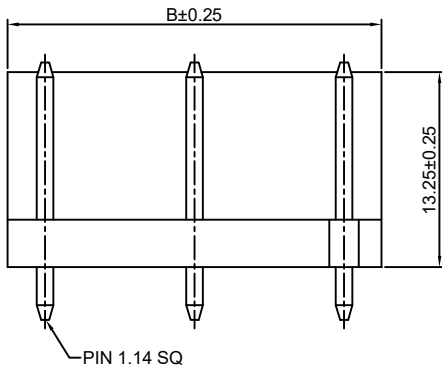
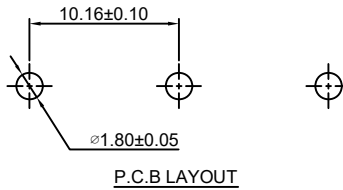
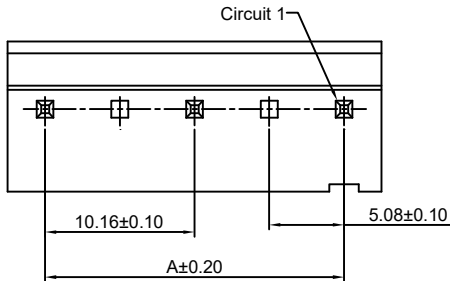
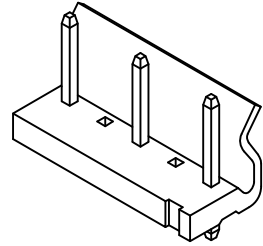
HDGC5081WV-XP-A

10.16mm pitch 180° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP, HDGC5082H-XP-A series Housing
- *Color: Natural

- Ordering Information:
 $\frac{\text{HDGC5081WV-XP-A} - \text{***} - \text{**}}{1 \quad 2 \quad 3}$
1. Part No.
 2. Material:
 (blank): Nylon 66, UL94V-2 (Natural)
 V0: Nylon 66, UL94V-0 (White)
 GWT: Nylon 66, UL94V-0, GWT 750°C
 3. Finish:
 (blank): Tin over Nickel
 G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	10.16	15.24
5P	20.32	25.40
7P	30.48	35.56
9P	40.64	45.72
11P	50.80	55.88
13P	60.96	66.04
15P	71.12	76.20
17P	81.28	86.36
19P	91.44	96.52

Unit: mm

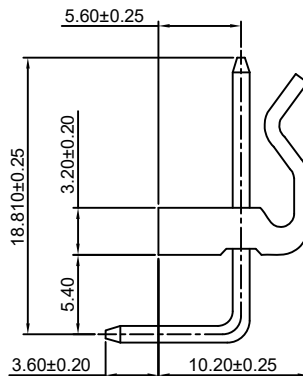
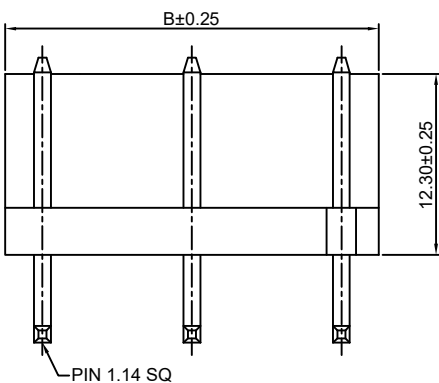
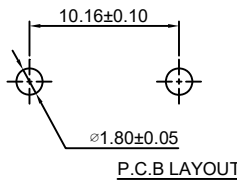
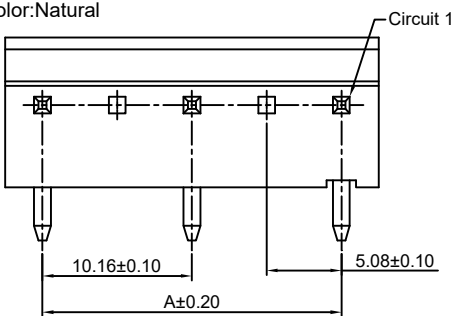
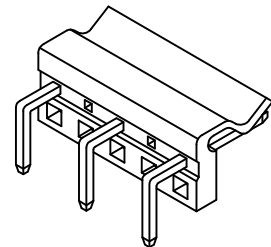
HDGC5081WR-XP-A

10.16mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-2
- *Mates with HDGC5081H-XP, HDGC5082H-XP, HDGC5082H-XP-A series Housing
- *Color: Natural

- Ordering Information:
 $\frac{\text{HDGC5081WR-XP-A} - \text{***} - \text{**}}{1 \quad 2 \quad 3}$
1. Part No.
 2. Material:
 (blank)-Nylon 66, UL94V-2 (Natural)
 V0-Nylon 66, UL94V-0 (White)
 GWT-Nylon 66, UL94V-0, GWT 750°C
 3. Finish:
 (blank): Tin over Nickel
 G: Gold over Nickel



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	10.16	15.24
5P	20.32	25.40
7P	30.48	35.56
9P	40.64	45.72
11P	50.80	55.88
13P	60.96	66.04
15P	71.12	76.20
17P	81.28	86.36
19P	91.44	96.52

Unit: mm