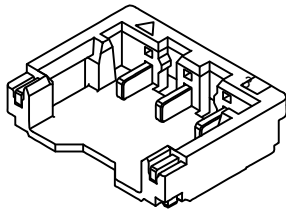
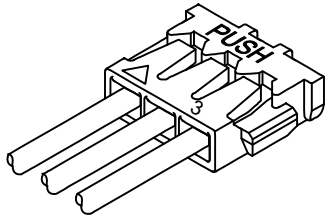


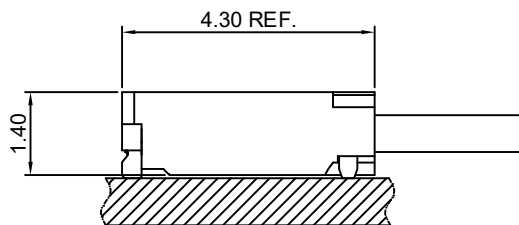


Specifications

- Current rating:2A AC,DC
- Voltage rating:50V AC,DC
- Temperature range:-25°C~+85°C
- Contact resistance:10mΩMax.
- Insulation resistance:100MΩMin.
- Withstanding voltage:500V AC/minute
- *Compliant with RoHS and REACH*
- *Meet the HF/Halogen Free,need to customize*
- *Contact HDGC for details*



Assembly layout





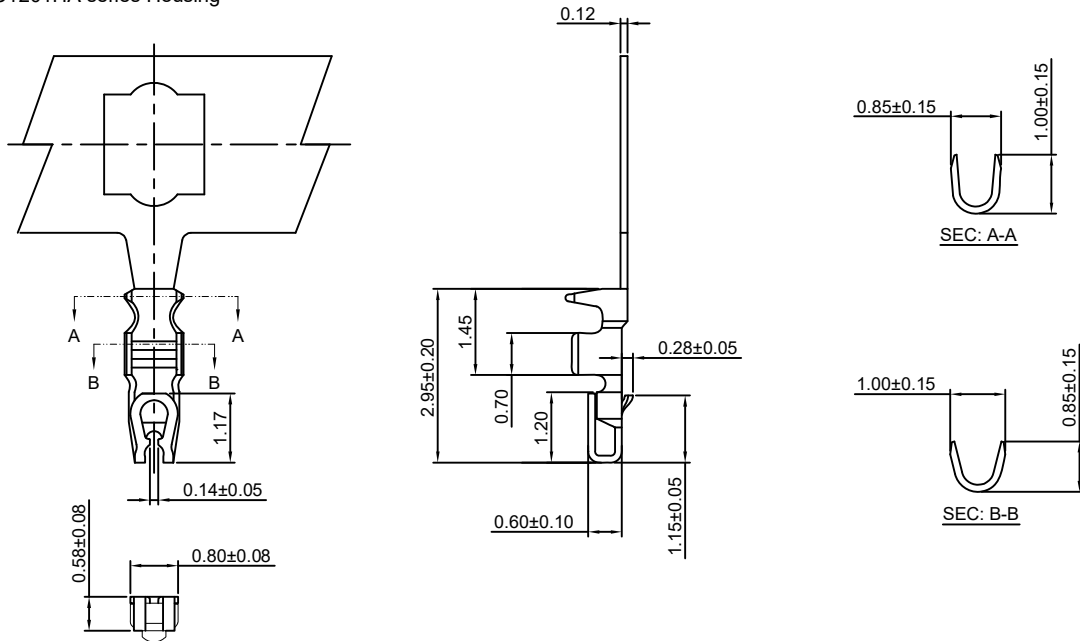
HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201-T-A

1.20mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1201HA series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1201-GP-A	AWG#28-#32	0.63mm(max)	Phosphor Bronze	Gold over Nickel	15,000 PCS



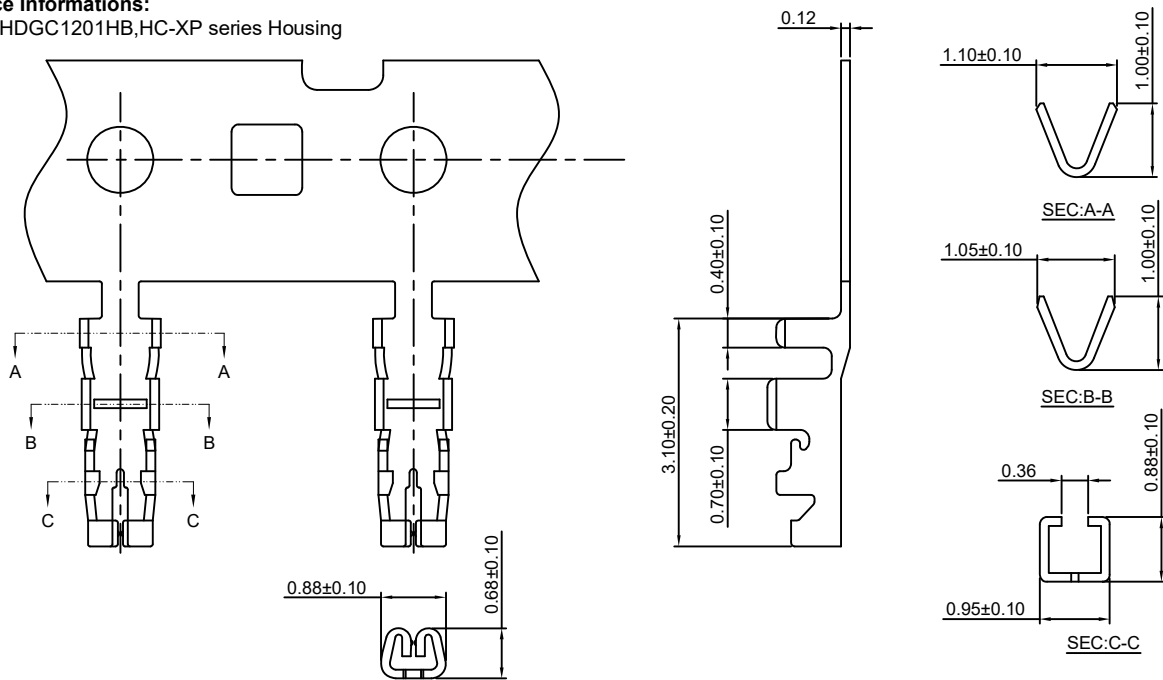
HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201-T-B

1.20mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1201HB,HC-XP series Housing



Ordering information & Specifications:

Unit:mm

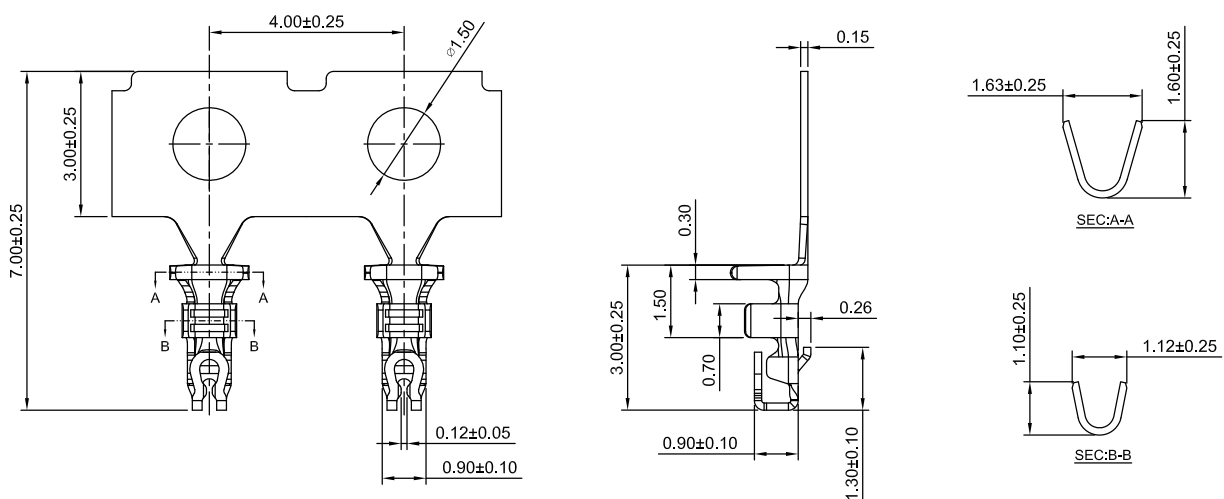
Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1201-TP-B	AWG#28-#32	0.63mm(max)	Phosphor Bronze	Tin over Nickel	30,000 PCS
HDGC1201-GP-B	AWG#28-#32	0.63mm(max)	Phosphor Bronze	Gold over Nickel	30,000 PCS

HDGC1201-T-G

1.20mm pitch Crimp Terminal

Reference Informations:

*Used in HDGC1201HG-XP series Housing



Ordering information & Specifications:

Unit:mm

Part NO.	Wire Range	Insulation O.D.	Material	Finish	Qty/reel
HDGC1201-GP-D	AWG#26-#28	0.98mm(max)	Phosphor Bronze	Gold over Nickel	30,000 PCS



HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201HG-XP

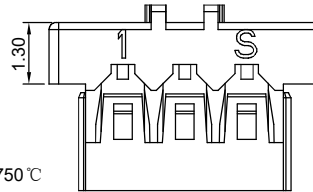
1.20mm pitch Housing

Reference Informations:

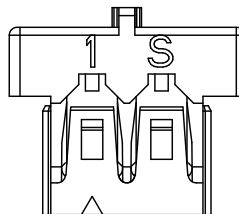
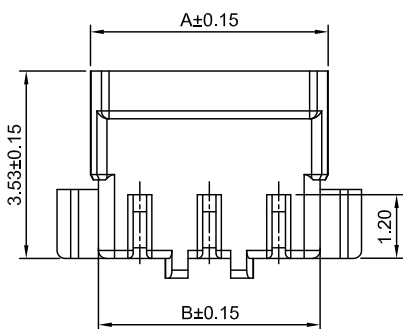
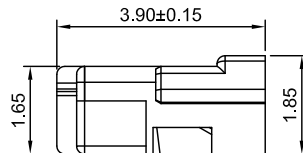
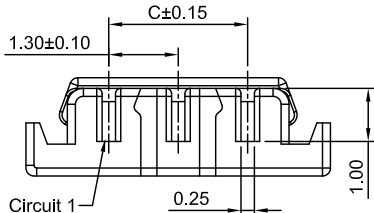
- *Material: Nylon 66, UL94V-0
- *Suitable HDGC1201-T-G series Terminal
- *Mates with HDGC1201WRG-S-XP series Wafer
- *Mates with HDGC1201WRG-S-XP-A series Wafer
- *Color: White

Ordering Information:
HDGC1201HG-XP - ***
 1 2

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



3~12P



2P

Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	3.15	2.85	1.30
3P	4.45	4.15	2.60
4P	5.75	5.45	3.90
5P	7.05	6.75	5.20
6P	8.35	8.05	6.50
7P	9.65	9.35	7.80
8P	10.95	10.65	9.10
9P	12.25	11.95	10.40
10P	13.55	13.25	11.70
11P	14.85	14.55	13.00
12P	16.15	15.85	14.30

Unit: mm



HDGC1201 SERIES



HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201HA-XP

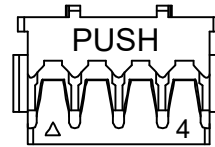
1.20mm pitch Housing

Reference Informations:

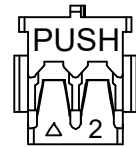
- *Material: Nylon 66, UL94V-0
- *Suitable HDGC1201-T-A series Terminal
- *Mates with HDGC1201WRA-S-XP series Wafer
- *Color: White

Ordering Information:
HDGC1201HA-XP - ** - ***
 1 2 3

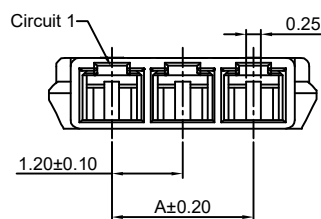
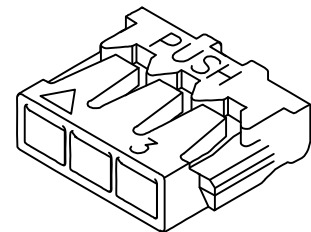
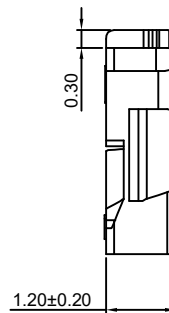
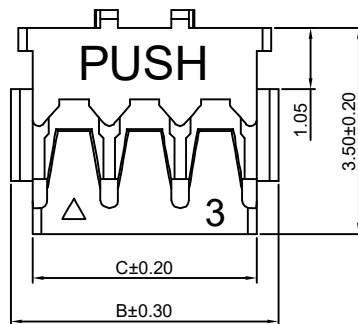
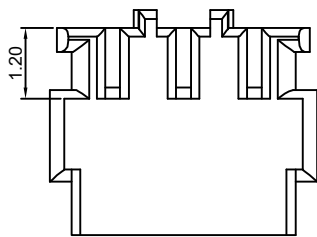
1. Part No.
 2. Color:
 (blank): White
 BK: Black
 3. Material:
 (Blank): Nylon 66, UL94V-0
 GWT: Nylon 66, UL94V-0, GWT 750 °C



4Pin



2Pin



Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.20	3.35	2.60
3P	2.40	4.55	3.80
4P	3.60	5.75	5.00
5P	4.80	6.95	6.20
6P	6.00	8.15	7.40
7P	7.20	9.35	8.60
8P	8.40	10.55	9.80
9P	9.60	11.75	11.00
10P	10.80	12.95	12.20

Unit: mm

HDGC1201HB-XP

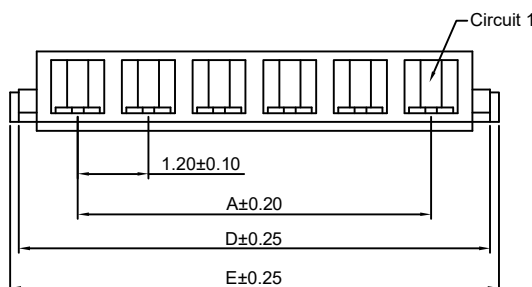
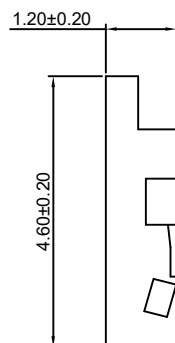
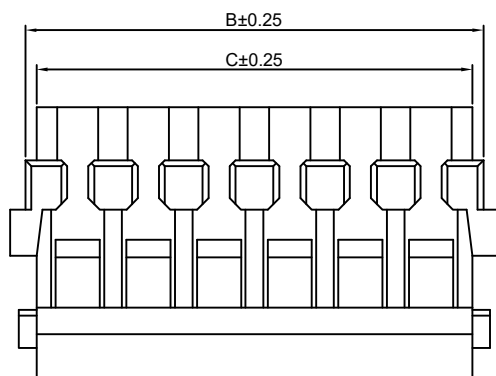
1.20mm pitch Housing

Reference Informations:

- *Material: PBT, UL94V-0
- *Suitable HDGC1201-T-B series Terminal
- *Color: Natural

Ordering Information:
HDGC1201HB-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	D	E
2P	1.20	2.98	2.60	3.20	3.50
3P	2.40	4.18	3.80	4.40	4.70
4P	3.60	5.38	5.00	5.60	5.90
5P	4.80	6.58	6.20	6.80	7.10
6P	6.00	7.78	7.40	8.00	8.30

Unit: mm



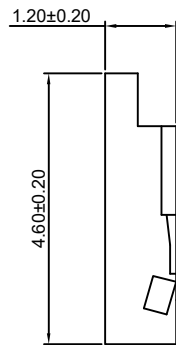
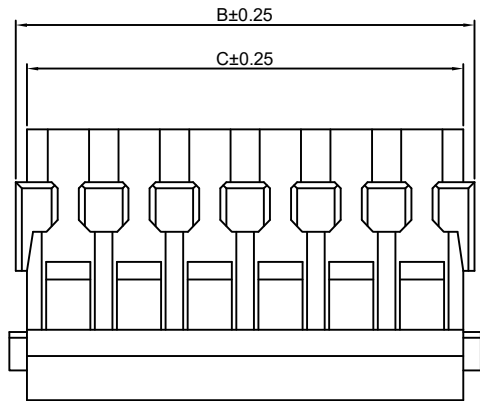
HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201HC-XP

1.20mm pitch Housing

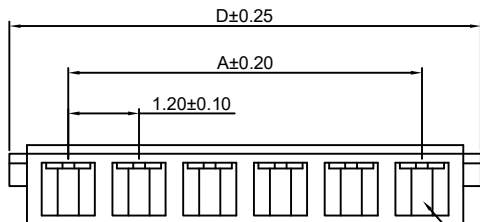
Reference Informations:

- *Material:PBT,UL94V-0
- *Suitable HDGC1201-T-B series Terminal
- *Color:Natural



Ordering Information:
 HDGC1201HC-XP - ***
 1 2

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



Circuit 1

Ordering Information & Dimensions:

PART NO.	Dimensions			
	A	B	C	D
2P	1.20	2.98	2.60	3.20
3P	2.40	4.18	3.80	4.40
4P	3.60	5.38	5.00	5.60
5P	4.80	6.58	6.20	6.80
6P	6.00	7.78	7.40	8.00

Unit: mm

HDGC1201HD-XP

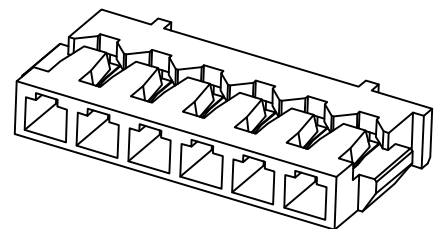
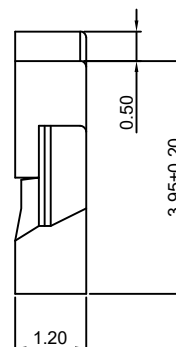
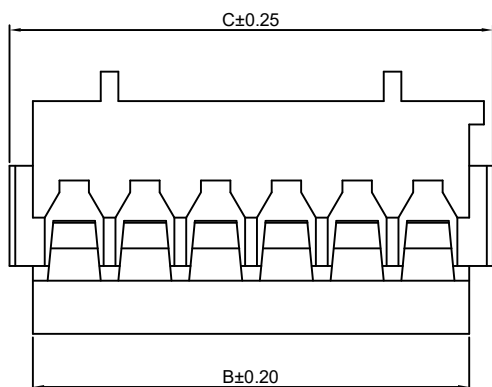
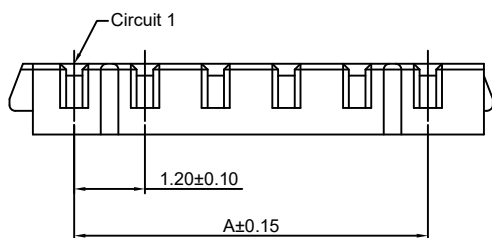
1.20mm pitch Housing

Reference Informations:

- *Material:PBT,UL94V-0
- *Suitable HDGC1201-T-D series Terminal
- *Mates with HDGC1201WRD-S-XP series Wafer
- *Color:Gray

Ordering Information:
 HDGC1201HD-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	1.20	2.60	3.40
3P	2.40	3.80	4.60
4P	3.60	5.00	5.80
5P	4.80	6.20	7.00
6P	6.00	7.40	8.20

Unit: mm



HDGC1201 SERIES



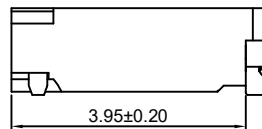
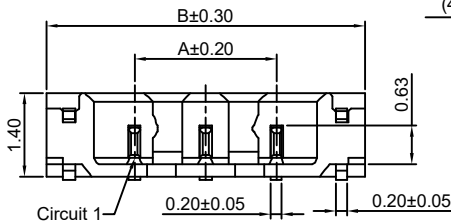
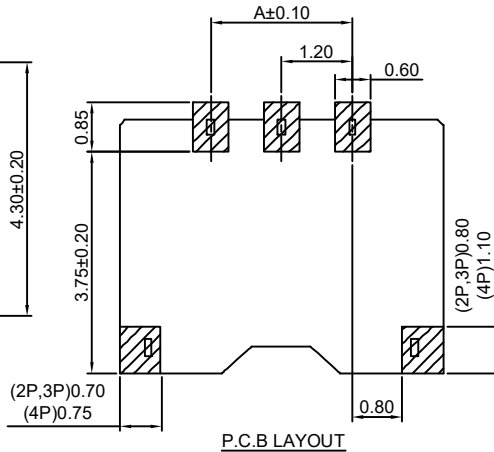
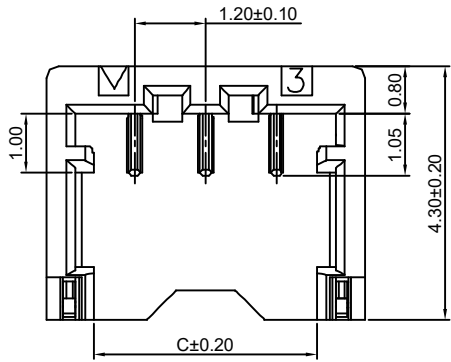
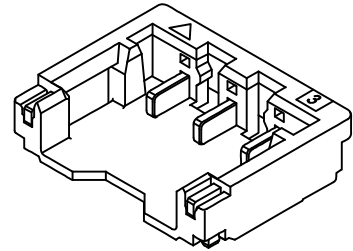
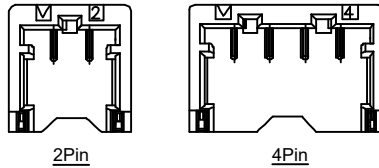
HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201WRA-S-XP

1.20mm pitch 90° Wafer - SMT TYPE

Reference Informations:

- *Material: Pin: Phosphor Bronze/Gold over Nickel
Insulator: Nylon 6T, UL94V-0
Solder Tab: Phosphor Bronze/Tin over Nickel
- *Mates with HDGC1201HA-XP series Housing
- *Color: Ivory



Ordering Information:
HDGC1201WRA-S-XP - *** - **
1 2 3

- Part No.
- Material:
(Blank): Nylon 6T, UL94V-0
GWT: Nylon 6T, UL94V-0, GWT 750 °C
- Color:
(blank): Ivory
BK: Black

Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.20	4.20	2.60
3P	2.40	5.40	3.80
4P	3.60	6.60	5.00
5P	4.80	7.80	6.20
6P	6.00	9.00	7.40
7P	7.20	10.20	8.60
8P	8.40	11.40	9.80
9P	9.60	12.60	11.00
10P	10.80	13.80	12.20

Unit: mm



HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201WRD-S-XP

1.20mm pitch 90° Wafer - SMT TYPE

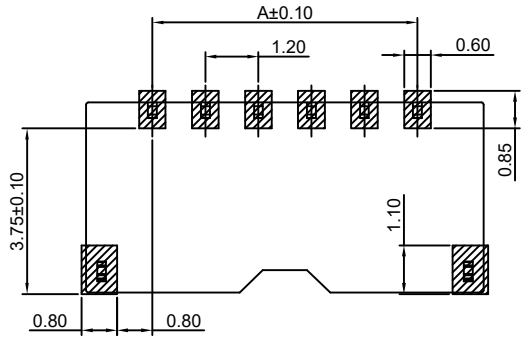
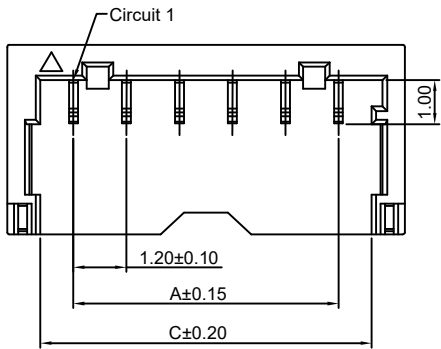
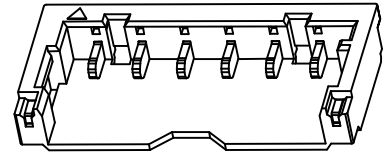
Reference Informations:

- *Material: Pin: Phosphor Bronze/Tin over Nickel
Insulator: Nylon 9T, UL94V-0
Solder Tab: Phosphor Bronze/Tin over Nickel
- *Mates with HDGC1201HD-XP series Housing
- *Color: Natural

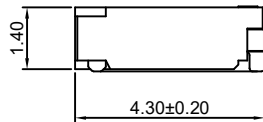
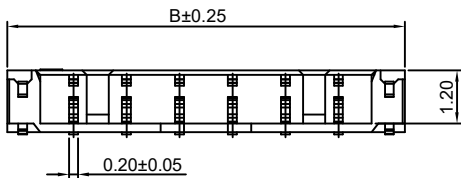
Ordering Information:

HDGC1201WRD-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



RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE ±0.05



Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
2P	1.20	4.20	2.70
3P	2.40	5.40	3.90
4P	3.60	6.60	5.10
5P	4.80	7.80	6.30
6P	6.00	9.00	7.50
7P	7.20	10.20	8.70
8P	8.40	11.40	9.90

Unit: mm



HDGC1201 Series 1.20mm (.047") Pitch Wire to Board Connector

HDGC1201WRG-S-XP

1.20mm pitch 90° Wafer - SMT TYPE

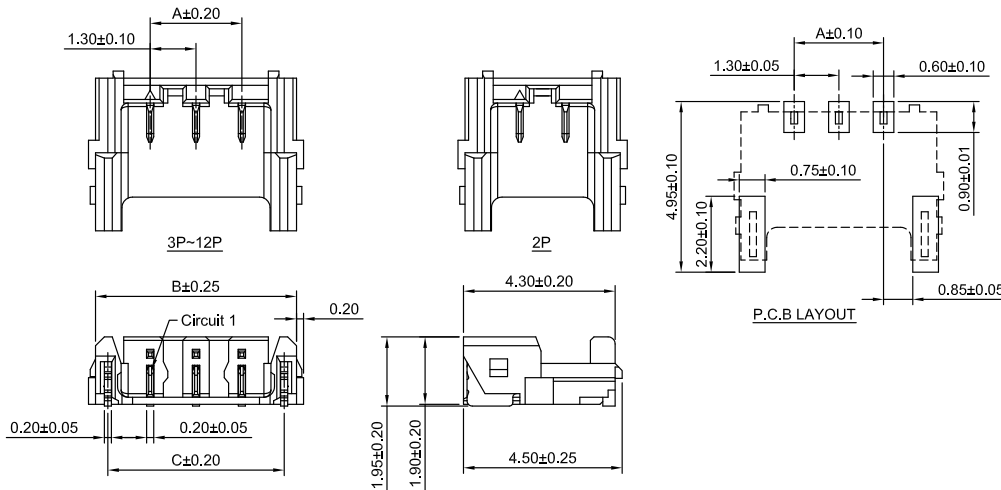
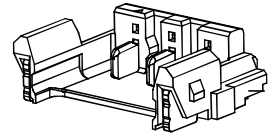
Reference Informations:

- *Material: Pin: Phosphor Bronze/Gold over Nickel
Insulator: Nylon 4T, UL94V-0
Solder Tab: Phosphor Bronze/Tin over Nickel
- *Mates with HDGC1201HG-XP series Housing
- *Color: White

Ordering Information:

HDGC1201WRG-S-XP - ** - ***
1 2 3

- Part No.
- Color:
(blank): White
BK: Black
- Material:
(Blank): Nylon 4T, UL94V-0
HF : Nylon 4T, UL94V-0, Halogen Free



Ordering Information & Dimensions:

Circuits	Dimensions(mm)		
	A	B	C
2P	1.30	4.40	3.70
3P	2.60	5.70	5.00
4P	3.90	7.00	6.30
5P	5.20	8.30	7.60
6P	6.50	9.60	8.90
7P	7.80	10.90	10.20
8P	9.10	12.20	11.50
9P	10.40	13.50	12.80
10P	11.70	14.80	14.10
11P	13.00	16.10	15.40
12P	14.30	17.40	16.70

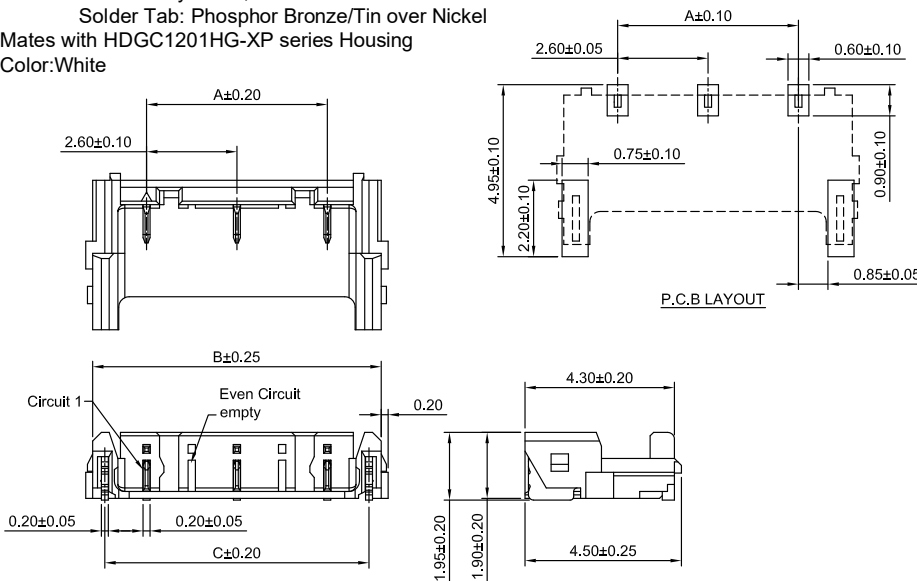
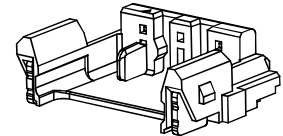
Unit: mm

HDGC1201WRG-S-XP-A

1.20mm pitch 90° Wafer - SMT TYPE

Reference Informations:

- *Material: Pin: Phosphor Bronze/Gold over Nickel
Insulator: Nylon 4T, UL94V-0
Solder Tab: Phosphor Bronze/Tin over Nickel
- *Mates with HDGC1201HG-XP series Housing
- *Color: White



Ordering Information:

HDGC1201WRG-S-XP-A - *** - **
1 2 3

- Part No.
- Material:
(Blank): Nylon 4T, UL94V-0
HF : Nylon 4T, UL94V-0, Halogen Free
- Color:
(blank): White
BK: Black

Ordering Information & Dimensions:

PART NO.	Dimensions		
	A	B	C
3P	2.60	5.70	5.00
5P	5.20	8.30	7.60
7P	7.80	10.90	10.20
9P	10.40	13.50	12.80
11P	13.00	16.10	15.40

Unit: mm