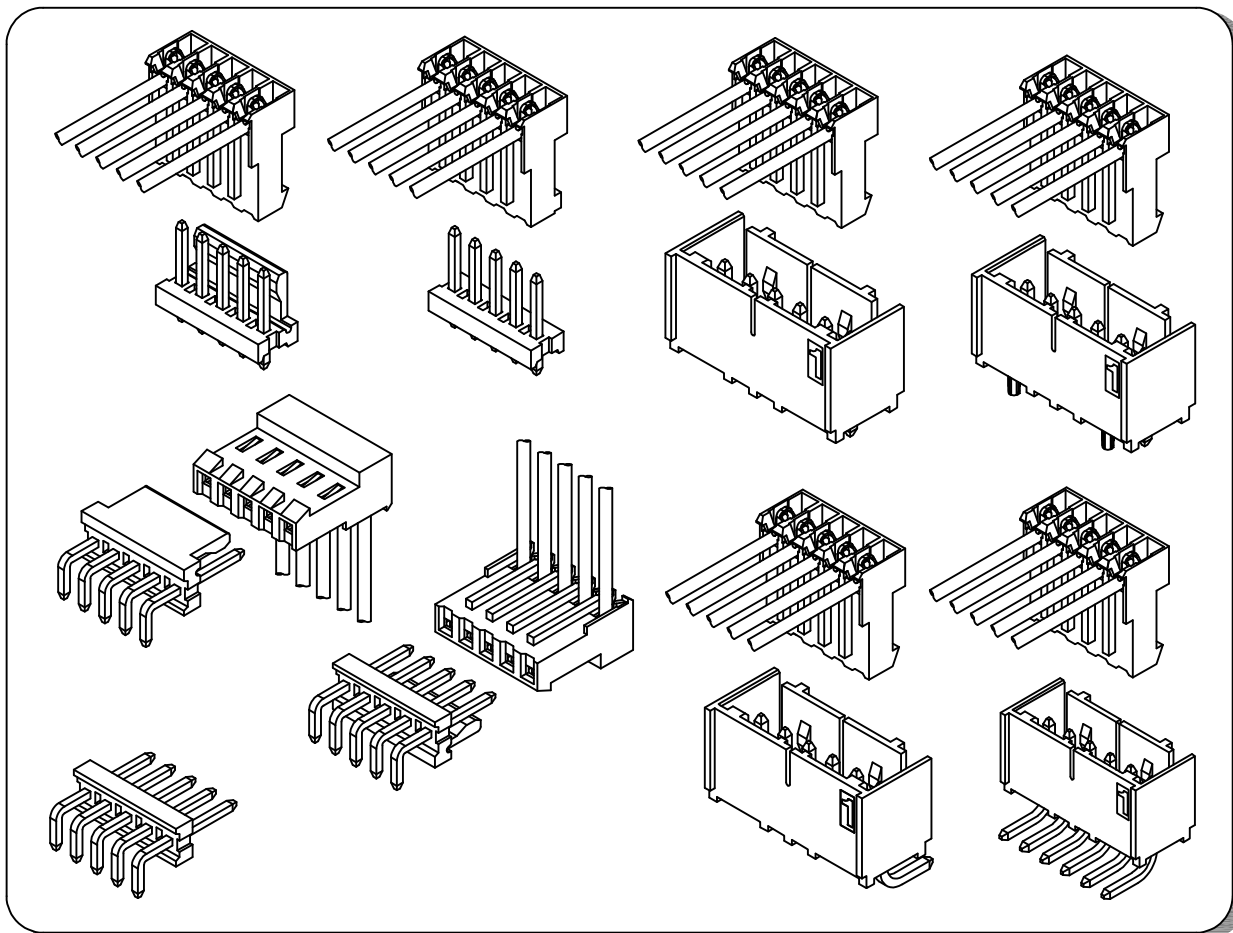




Specifications

Current rating:7A AC,DC

Voltage rating:600V AC,DC

Temperature range:-25°C~+85°C

Contact resistance:10mΩMax.

Insulation resistance:1000MΩMin.

Withstanding voltage:1500V AC/minute

Compliant with RoHS and REACH

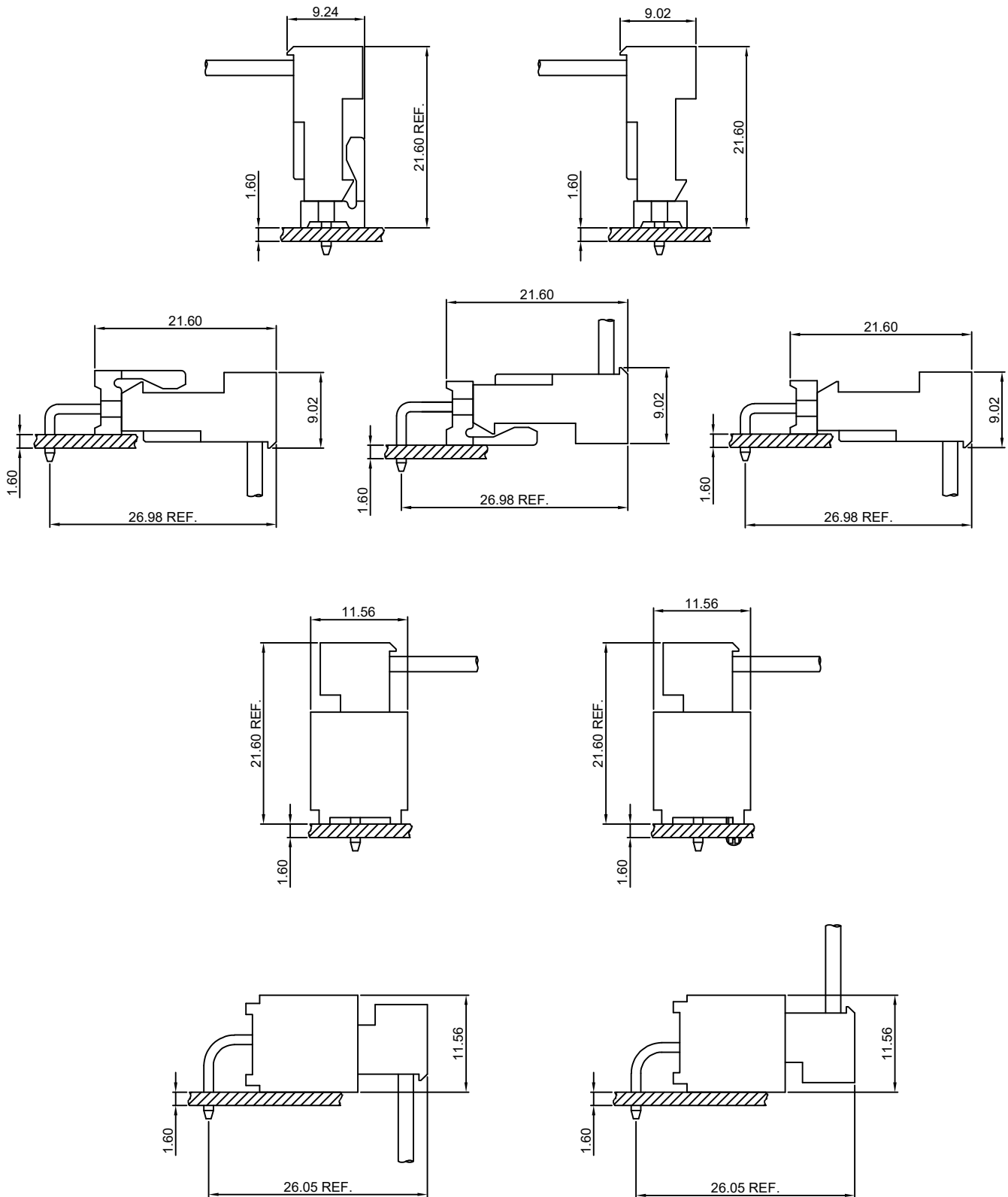
*Meet the HF/Halogen Free,GWT/Glow wire

Test (IEC60335-1) request,need to customize*

Contact HDGC for details



Assembly layout





HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969H-XP

3.96mm IDC Closed End Type

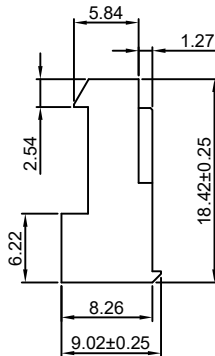
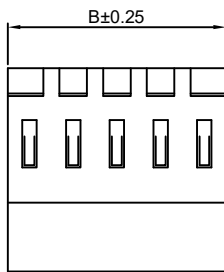
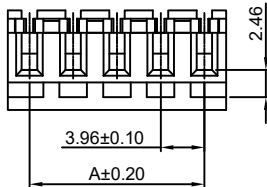
Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and
HDGC3969L-XP series Covers



Ordering Information:

HDGC3969H-XP - ** - **
1 2 3

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969HA-XP

3.96mm IDC Closed End Type

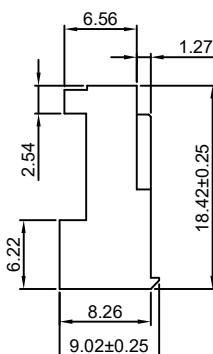
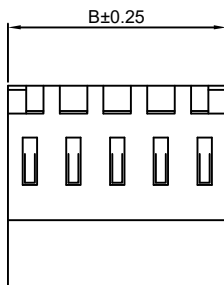
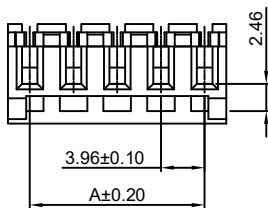
Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and L-XP
series Covers



Ordering Information:

HDGC3969HA-XP - ** - **
1 2 3

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969HB-XP

3.96mm IDC Feed-Thru Connector

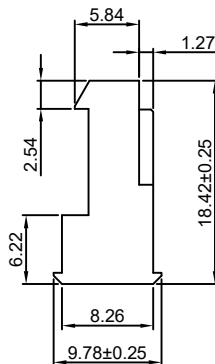
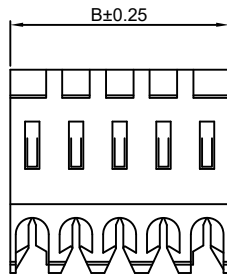
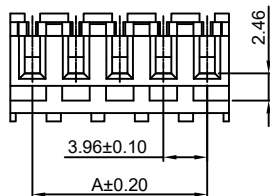
Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and C-XP
series Covers



Ordering Information:

HDGC3969HB-XP - ^{**}/₂ - ^{**}/₃

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969HC-XP

3.96mm IDC Feed-Thru Connector

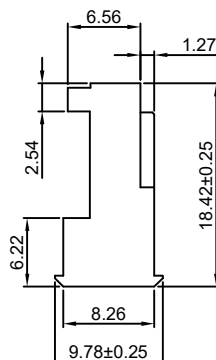
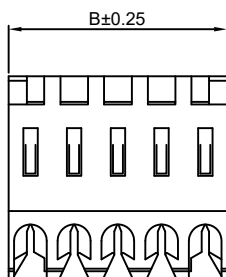
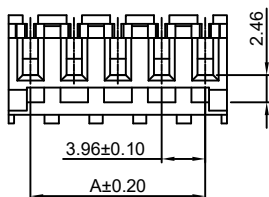
Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and C-XP
series Covers



Ordering Information:

HDGC3969HC-XP - ^{**}/₂ - ^{**}/₃

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969HD-XP

3.96mm IDC Closed End Type

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WVA, WRA, WRB-XP(-A), HDGC3969WVA-XP-H(-A) series Wafer and L-XP series Covers

Ordering Information:

HDGC3969HD-XP - ** - **
1 2 3

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

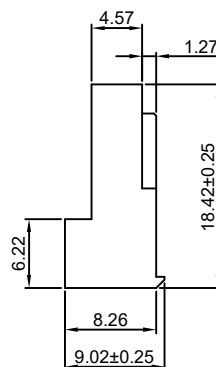
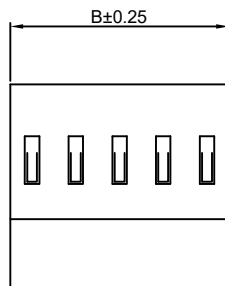
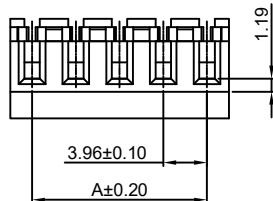
BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969HE-XP

3.96mm IDC Closed End Type

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A), HDGC3969WR-XP-2(-A), WV-XP-H(-A), HDGC3969WVD, WRD-XP, WVD-F-XP, HDGC3969WRD-XP-2 series Wafer and L-XP series Covers

Ordering Information:

HDGC3969HE-XP - ** - **
1 2 3

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

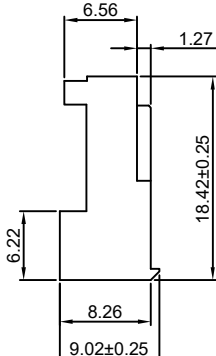
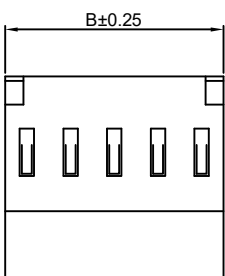
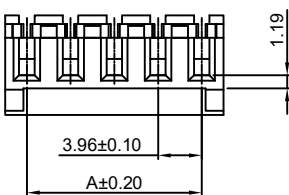
BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969HF-XP

3.96mm IDC Feed-Thru Connector

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WVA, WRA, WRB-XP(-A),
HDGC3969WVA-XP-H(-A) series Wafer and C-XP
series Covers

Ordering Information:

HDGC3969HF-XP - $\frac{**}{1} - \frac{**}{2} - \frac{**}{3}$

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

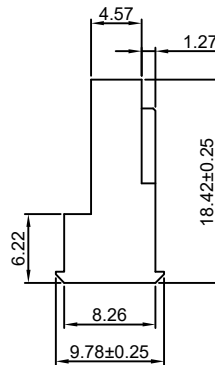
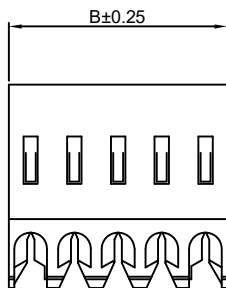
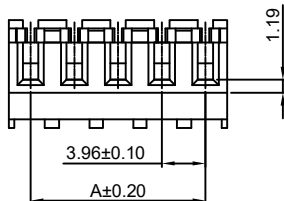
BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969HG-XP

3.96mm IDC Feed-Thru Connector

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and C-XP
series Covers

Ordering Information:

HDGC3969HG-XP - $\frac{**}{1} - \frac{**}{2} - \frac{**}{3}$

1: Part No.

2: Material:

OR-Orange=18 AWG(UL94V-2)

YL-Yellow=20 AWG(UL94V-2)

RD-Red=22 AWG(UL94V-2)

WH-White=24 AWG(UL94V-2)

BL-Blue=26 AWG(UL94V-2)

BK-18-Black=18 AWG(UL94V-0)

BK-20-Black=20 AWG(UL94V-0)

BK-22-Black=22 AWG(UL94V-0)

BK-24-Black=24 AWG(UL94V-0)

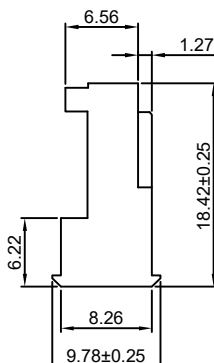
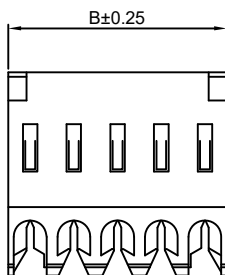
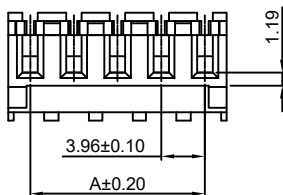
BK-26-Black=26 AWG(UL94V-0)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969HH-XP

3.96mm IDC Closed End Type

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and L-XP
series Covers

Ordering Information:

HDGC3969HH-XP - ** - **
1 2 3

1: Part No.

2: Wire Range and Material:

2-22 AWG(UL94V-2)

4-24 AWG(UL94V-2)

6-26 AWG(UL94V-2)

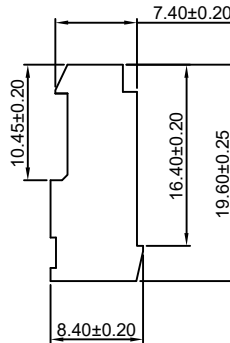
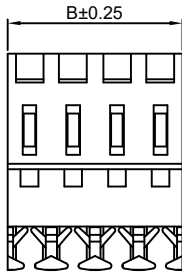
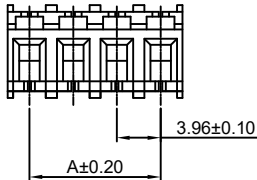
8-28 AWG(UL94V-2)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20

Unit: mm

HDGC3969HI-XP

3.96mm IDC Closed End Type

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and L-XP
series Covers

Ordering Information:

HDGC3969HI-XP - ** - **
1 2 3

1: Part No.

2: Wire Range and Material:

2-22 AWG(UL94V-2)

4-24 AWG(UL94V-2)

6-26 AWG(UL94V-2)

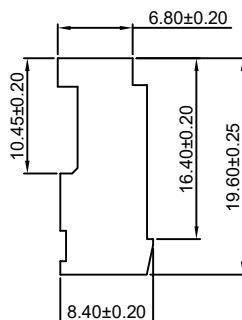
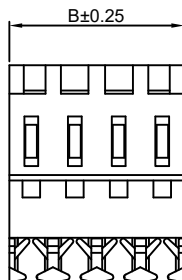
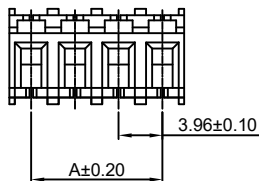
8-28 AWG(UL94V-2)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969HJ-XP

3.96mm IDC Feed-Thru Connector

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and C-XP
series Covers

Ordering Information:

HDGC3969HJ-XP - ** - **
1 2 3

1: Part No.

2: Wire Range and Material:

2-22 AWG (UL94V-2)

4-24 AWG (UL94V-2)

6-26 AWG (UL94V-2)

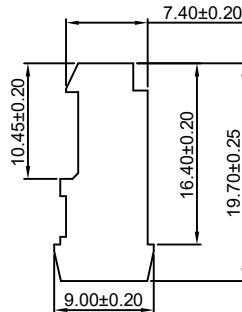
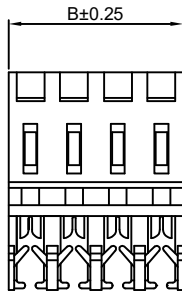
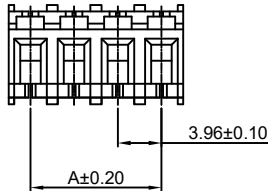
8-28 AWG (UL94V-2)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20

Unit: mm

HDGC3969HK-XP

3.96mm IDC Feed-Thru Connector

Reference Informations:

*Material:

Terminal: Phosphor bronze

Housing: Nylon 66, UL94V-2 or UL94V-0

*Mates with HDGC3969WV, WR-XP(-A),
HDGC3969WR-XP-2(-A), WV-XP-H(-A),
HDGC3969WVD, WRD-XP, WVD-F-XP,
HDGC3969WRD-XP-2 series Wafer and C-XP
series Covers

Ordering Information:

HDGC3969HK-XP - ** - **
1 2 3

1: Part No.

2: Wire Range and Material:

2-22 AWG (UL94V-2)

4-24 AWG (UL94V-2)

6-26 AWG (UL94V-2)

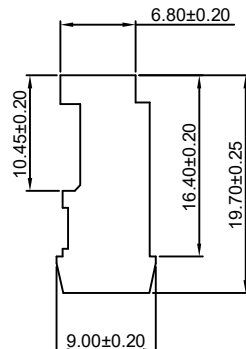
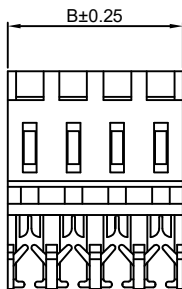
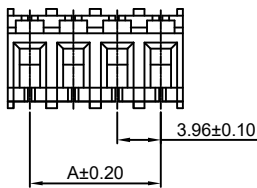
8-28 AWG (UL94V-2)

3: Plating Code:

(Blank)-Phosphor bronze/Tin over Nickel

GP-Phosphor bronze/Gold over Nickel

(Optional Gold plating available
but MOQ requested)



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969C-XP

3.96mm Feed-Thru Strain Relief Covers

Reference Informations:

- *Material: Nylon 66, UL94V-2
- *Mates with HDGC3969HB,HC, HF,HG,HJ,HK-XP series Housing
- *Color: Natural(White)

Ordering Information:

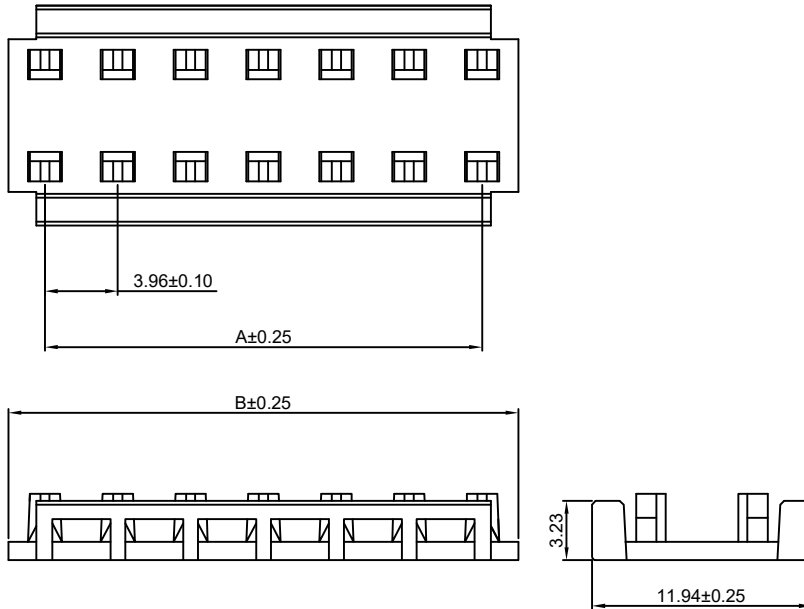
HDGC3969C-XP - ***
1 2

1.Part No.

2.Material:

(blank): Nylon 66,UL94V-2

GWT: Nylon 66,UL94V-0,GWT 750°C



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969L-XP

3.96mm IDC Closed End Strain Relief Covers

Reference Informations:

- *Material: Nylon 66, UL94V-2
- *Mates with HDGC3969H,HA,HD, HE,HH,HI-XP series Housing
- *Color: Natural(White)

Ordering Information:

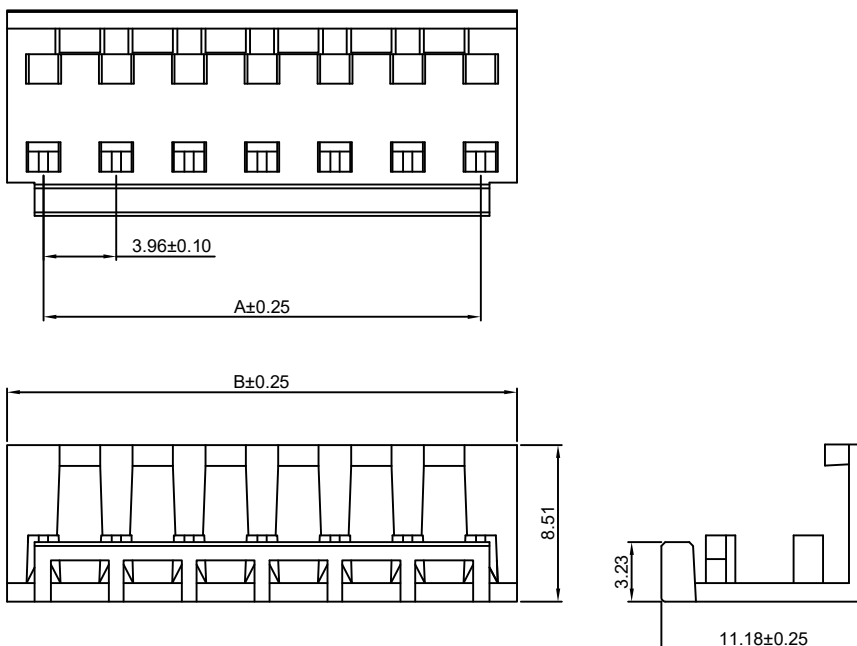
HDGC3969L-XP - ***
1 2

1.Part No.

2.Material:

(blank): Nylon 66,UL94V-2

GWT: Nylon 66,UL94V-0,GWT 750°C



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WV-XP

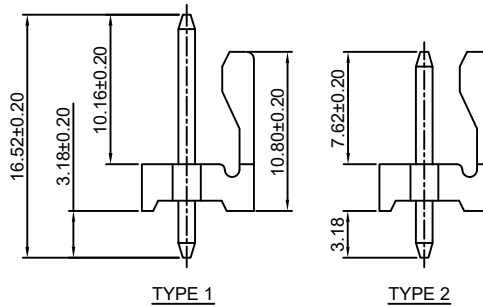
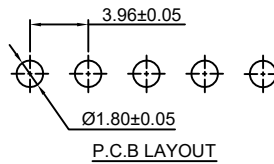
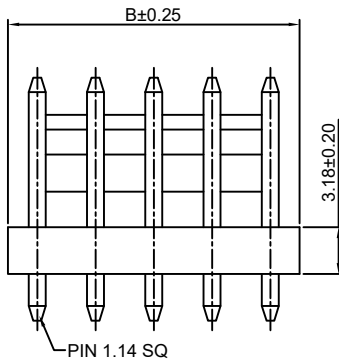
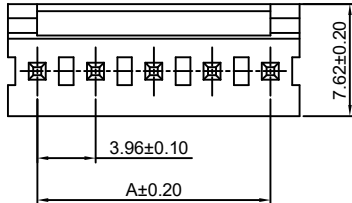
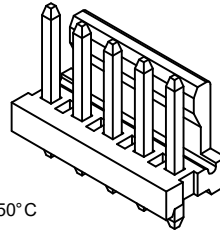
3.96mm pitch 180° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:
HDGC3969WV-XP - * - *** - ***
1 2 3 4

1. Part No.
2. Type:
(Blank): TYPE 1
L: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969WV-XP-H

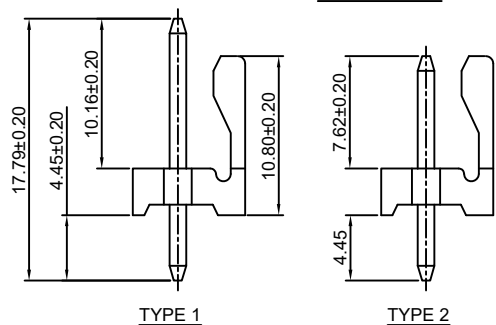
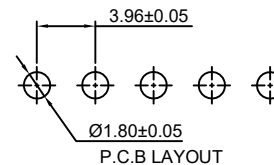
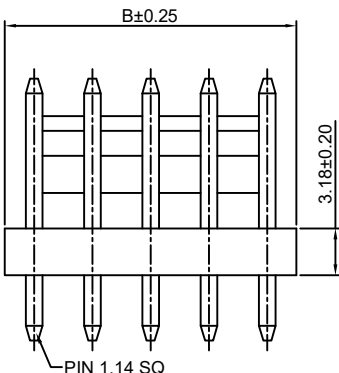
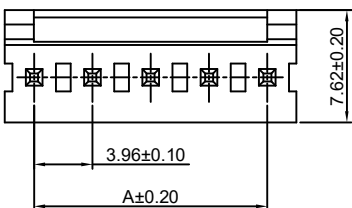
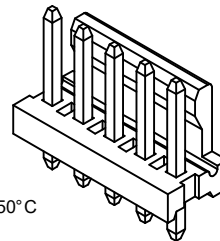
3.96mm pitch 180° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:
HDGC3969WV-XP-H - * - *** - ***
1 2 3 4

1. Part No.
2. Type:
(Blank): TYPE 1
L: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WVA-XP

3.96mm pitch 180° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-0

*Mates with HDGC3969HD,HF-XP series Housing

*Color:Natural

Ordering Information:

HDGC3969WVA-XP - * - *** - ***
1 2 3 4

1.Part No.

2.Type:

(Blank):TYPE 1

L:TYPE 2

3.Material:

(blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0,GWT 750°C

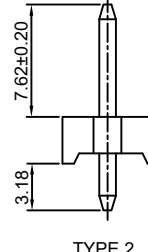
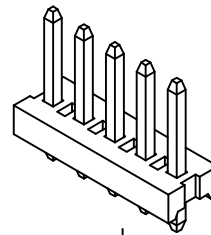
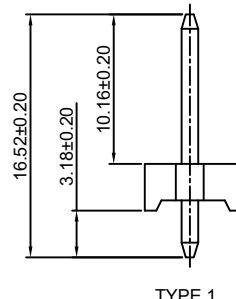
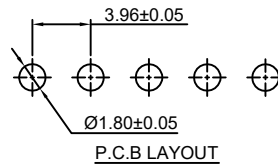
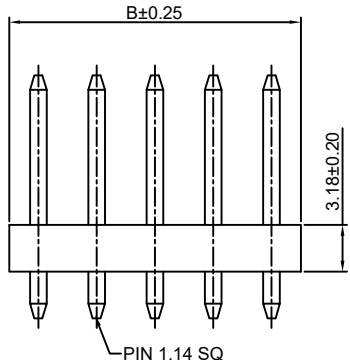
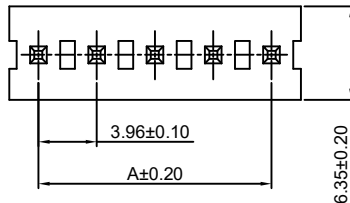
4.Finish:

(blank):Tin over Nickel

G:Gold-flash

G30:30µin (0.76µm) MIN.Select Gold(Mating Area)

100µin (2.54µm) MIN.Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969WVA-XP-H

3.96mm pitch 180° Wafer

Reference Informations:

*Material:Pin:Brass/Tin over Nickel

Insulator:Nylon 66,UL94V-0

*Mates with HDGC3969HD,HF-XP series Housing

*Color:Natural

Ordering Information:

HDGC3969WVA-XP-H - * - *** - ***
1 2 3 4

1.Part No.

2.Type:

(Blank):TYPE 1

L:TYPE 2

3.Material:

(blank):Nylon 66,UL94V-0

GWT:Nylon 66,UL94V-0,GWT 750°C

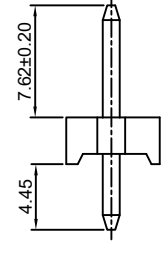
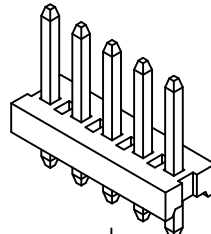
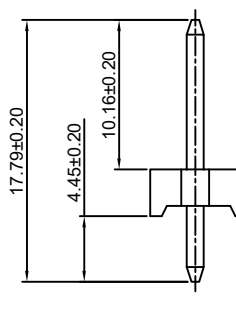
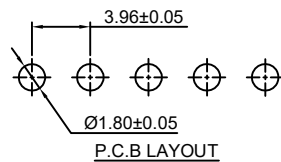
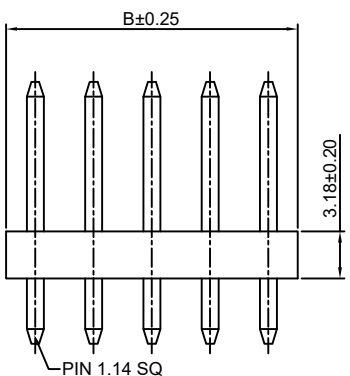
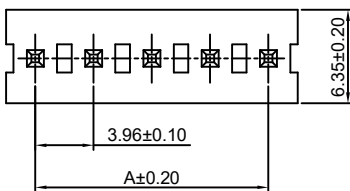
4.Finish:

(blank):Tin over Nickel

G:Gold-flash

G30:30µin (0.76µm) MIN.Select Gold(Mating Area)

100µin (2.54µm) MIN.Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WV-XP-A

3.96mm pitch 180° Wafer

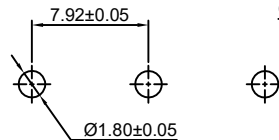
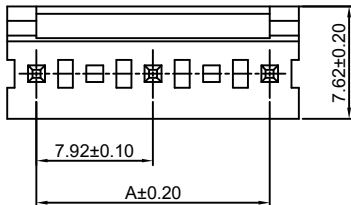
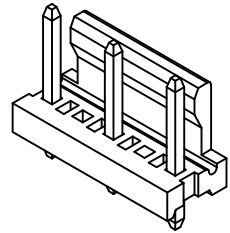
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

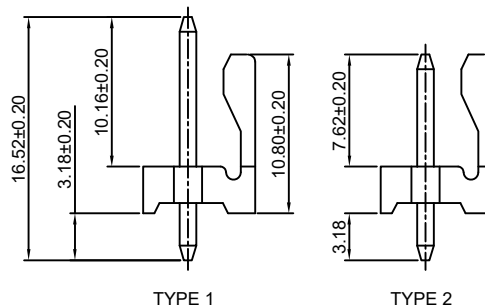
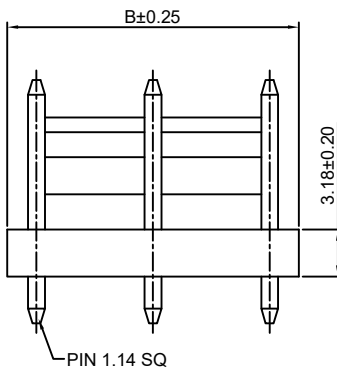
Ordering Information:

HDGC3969WV-XP-A - $\frac{*}{1} - \frac{***}{2} - \frac{***}{3} - \frac{***}{4}$

1. Part No.
2. Type:
(Blank): TYPE 1
L: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



P.C.B LAYOUT



TYPE 1

TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm

HDGC3969WV-XP-H-A

3.96mm pitch 180° Wafer

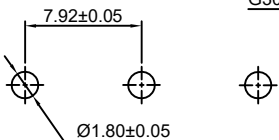
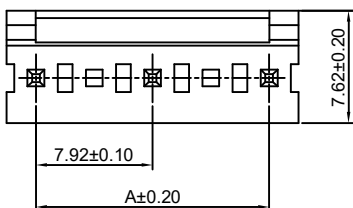
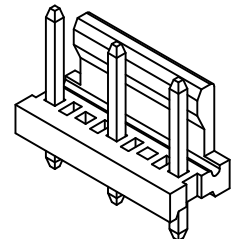
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

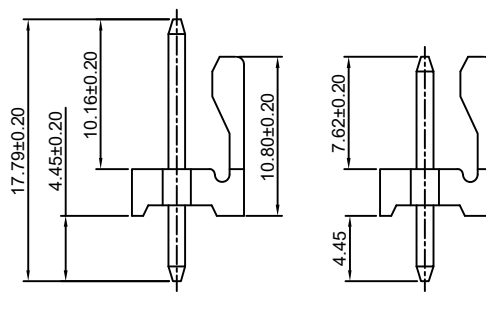
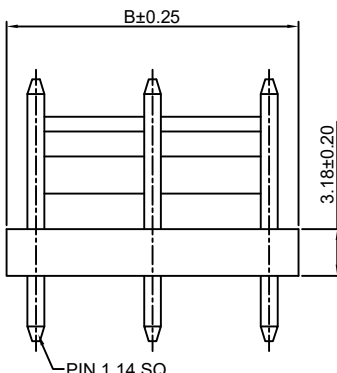
Ordering Information:

HDGC3969WV-XP-H-A - $\frac{*}{1} - \frac{***}{2} - \frac{***}{3} - \frac{***}{4}$

1. Part No.
2. Type:
(Blank): TYPE 1
L: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



P.C.B LAYOUT



TYPE 1

TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WVA-XP-A

3.96mm pitch 180° Wafer

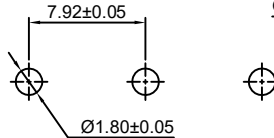
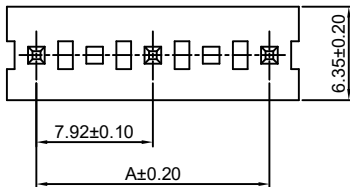
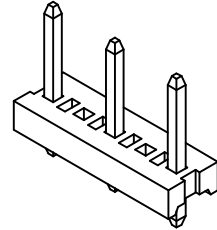
Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66,UL94V-0
- *Mates with HDGC3969HD,HF-XP series Housing
- *Color:Natural

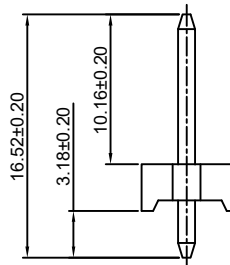
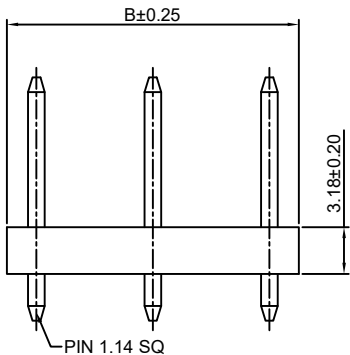
Ordering Information:

HDGC3969WVA-XP-A - $\frac{*}{1} - \frac{***}{2} - \frac{**}{3} - \frac{**}{4}$

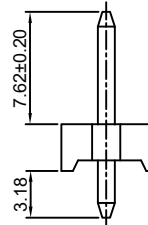
- Part No.
- Type:
(Blank):TYPE 1
L:TYPE 2
- Material:
(blank):Nylon 66,UL94V-0
GWT:Nylon 66,UL94V-0,GWT 750°C
- Finish:
(blank):Tin over Nickel
G:Gold-flash
G30:30µin (0.76µm) MIN.Select Gold(Mating Area)
100µin (2.54µm) MIN.Select Tin



P.C.B LAYOUT



TYPE 1



TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm

HDGC3969WVA-XP-H-A

3.96mm pitch 180° Wafer

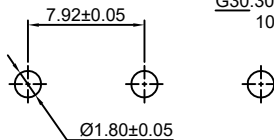
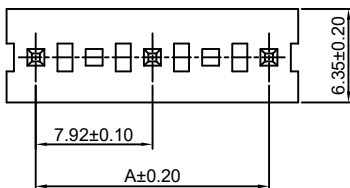
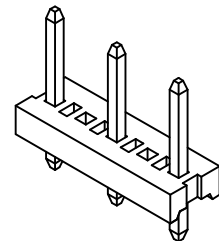
Reference Informations:

- *Material:Pin:Brass/Tin over Nickel
Insulator:Nylon 66,UL94V-0
- *Mates with HDGC3969HD,HF-XP series Housing
- *Color:Natural

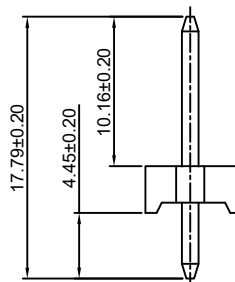
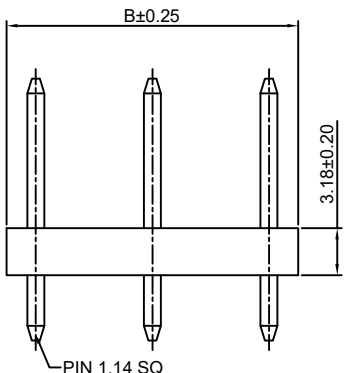
Ordering Information:

HDGC3969WVA-XP-H-A - $\frac{*}{1} - \frac{***}{2} - \frac{***}{3} - \frac{***}{4}$

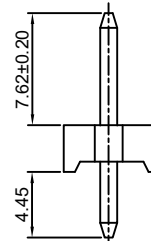
- Part No.
- Type:
(Blank):TYPE 1
L:TYPE 2
- Material:
(blank):Nylon 66,UL94V-0
GWT:Nylon 66,UL94V-0,GWT 750°C
- Finish:
(blank):Tin over Nickel
G:Gold-flash
G30:30µin (0.76µm) MIN.Select Gold(Mating Area)
100µin (2.54µm) MIN.Select Tin



P.C.B LAYOUT



TYPE 1



TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WR-XP

3.96mm pitch 90° Wafer

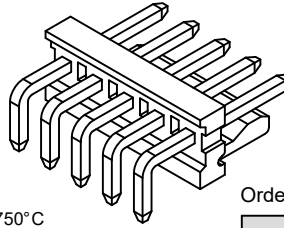
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WR-XP - * - *** - ***
1 2 3 4

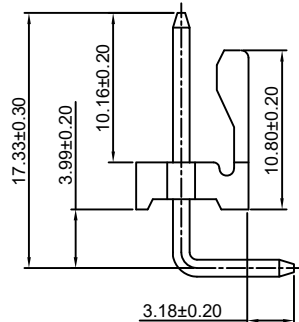
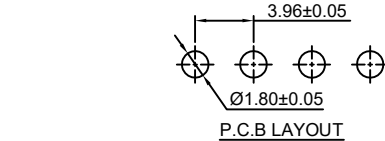
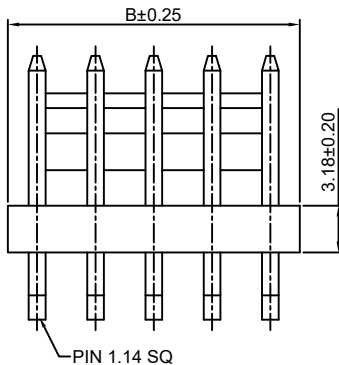
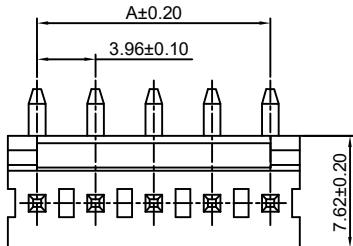
1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



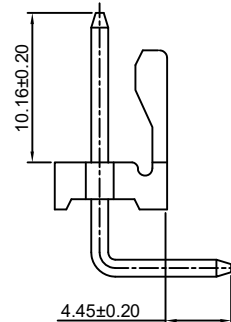
Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



TYPE 1



TYPE 2

HDGC3969WR-XP-2

3.96mm pitch 90° Wafer

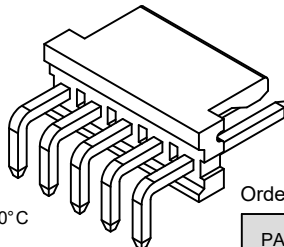
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WR-XP-2 - * - *** - ***
1 2 3 4

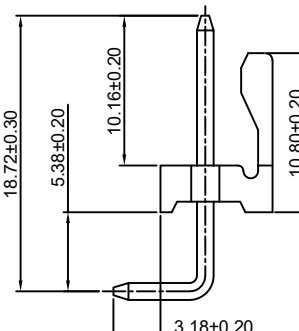
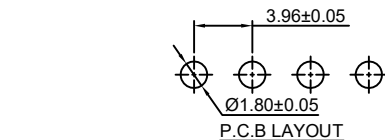
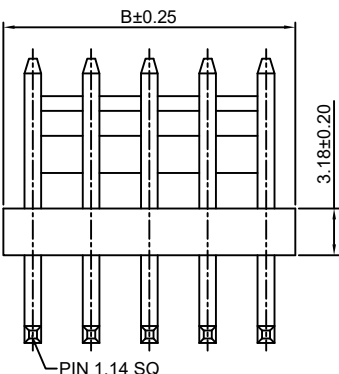
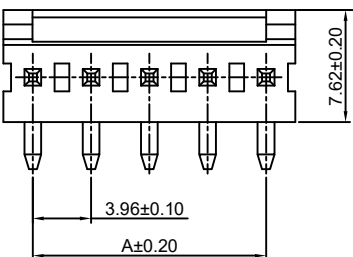
1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



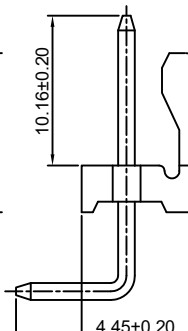
Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



TYPE 1



TYPE 2



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WRA-XP

3.96mm pitch 90° Wafer

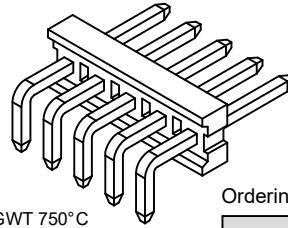
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969HD, HF-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WRA-XP - * - *** - ***
1 2 3 4

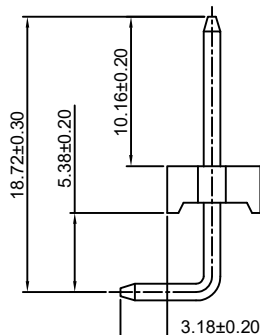
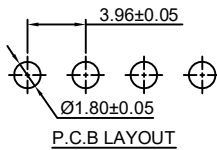
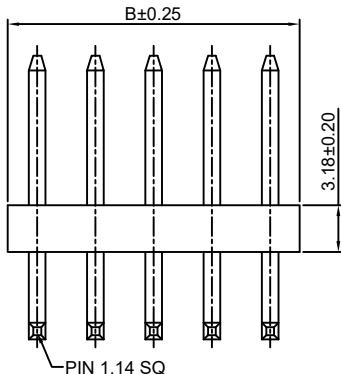
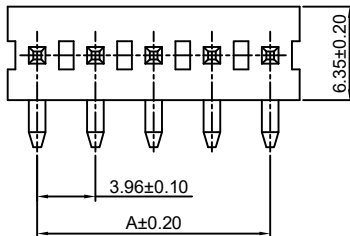
1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



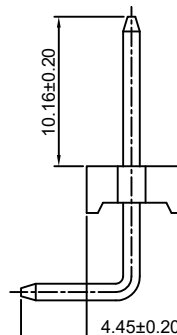
Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm



TYPE 1



TYPE 2

HDGC3969WRA-XP-A

3.96mm pitch 90° Wafer

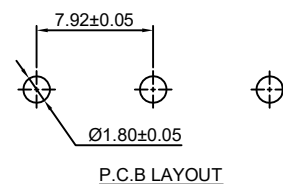
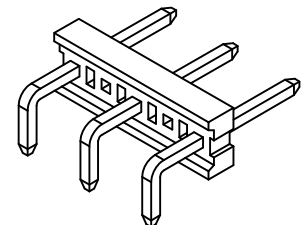
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969HD, HF-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WRA-XP-A - * - *** - ***
1 2 3 4

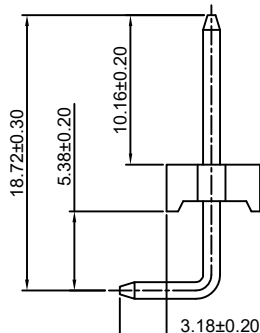
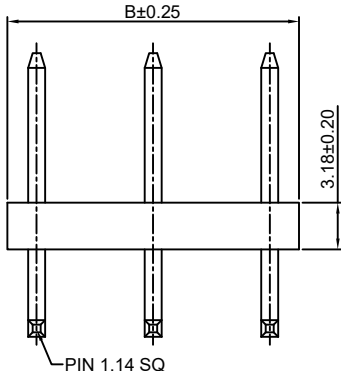
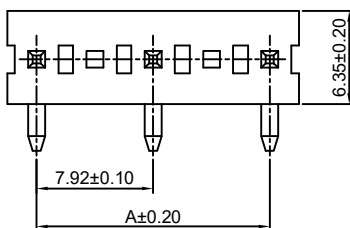
1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



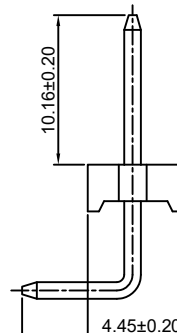
Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm



TYPE 1



TYPE 2



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WR-XP-A

3.96mm pitch 90° Wafer

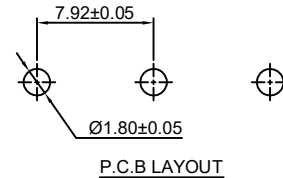
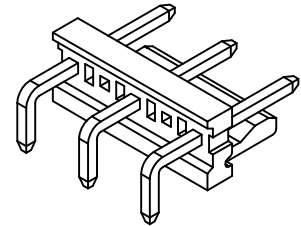
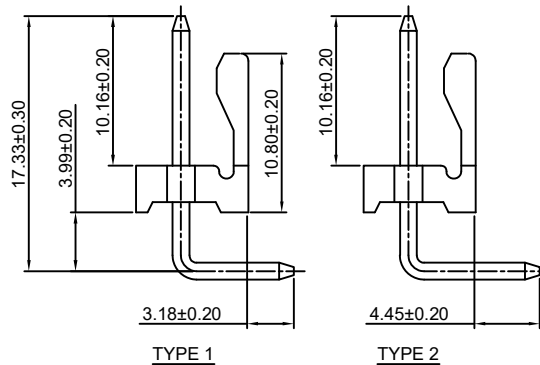
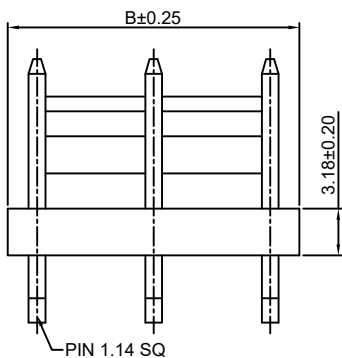
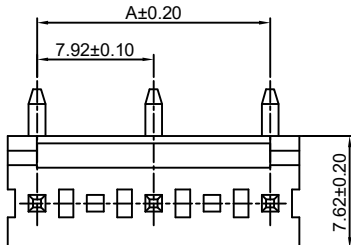
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WR-XP-A - * - *** - ***
1 2 3 4

1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µm (0.76µm) MIN. Select Gold (Mating Area)
100µm (2.54µm) MIN. Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm

HDGC3969WR-XP-2-A

3.96mm pitch 90° Wafer

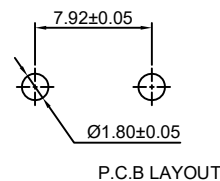
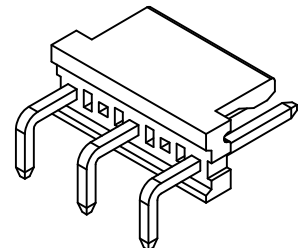
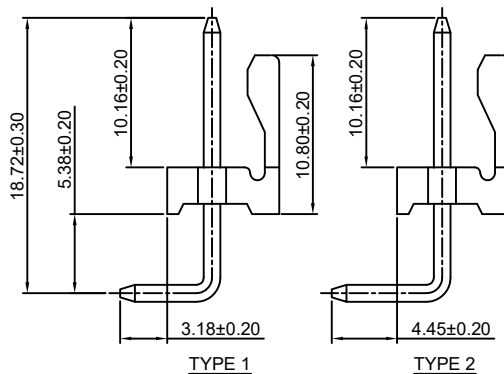
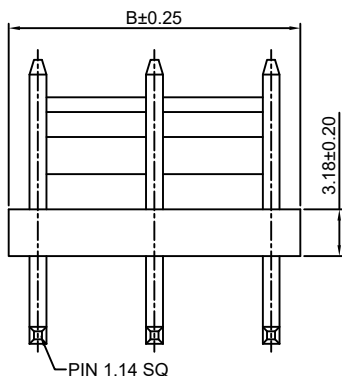
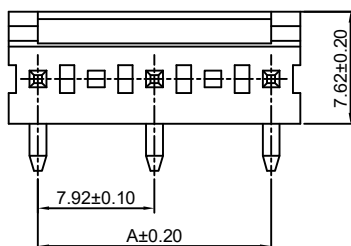
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WR-XP-2-A - * - *** - ***
1 2 3 4

1. Part No.
2. Type:
(Blank): TYPE 1
H: TYPE 2
3. Material:
(blank): Nylon 66, UL94V-0
GWT: Nylon 66, UL94V-0, GWT 750°C
4. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µm (0.76µm) MIN. Select Gold (Mating Area)
100µm (2.54µm) MIN. Select Tin



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WRB-XP

3.96mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969HD, HF-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WRB-XP - $\frac{*}{1} - \frac{***}{2} - \frac{***}{3} - \frac{***}{4}$

1. Part No.

2. Type:

(Blank): TYPE 1

H: TYPE 2

3. Material:

(Blank): Nylon 66, UL94V-0

GWT: Nylon 66, UL94V-0, GWT 750°C

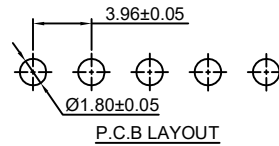
4. Finish:

(blank): Tin over Nickel

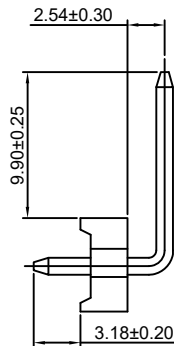
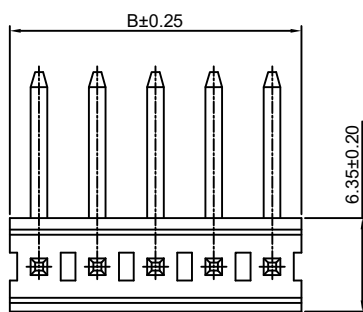
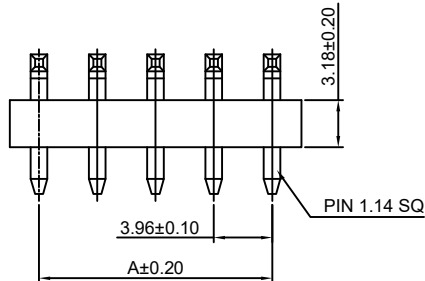
G: Gold-flash

G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)

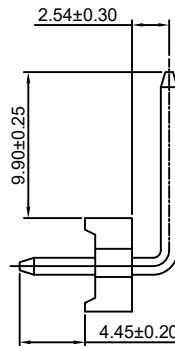
100µin (2.54µm) MIN. Select Tin



P.C.B LAYOUT



TYPE 1



TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	7.92
3P	7.92	11.88
4P	11.88	15.84
5P	15.84	19.80
6P	19.80	23.76
7P	23.76	27.72
8P	27.72	31.68
9P	31.68	35.64
10P	35.64	39.60
11P	39.60	43.56
12P	43.56	47.52
13P	47.52	51.48
14P	51.48	55.44
15P	55.44	59.40
16P	59.40	63.36
17P	63.36	67.32
18P	67.32	71.28
19P	71.28	75.24
20P	75.24	79.20
21P	79.20	83.16
22P	83.16	87.12
23P	87.12	91.08
24P	91.08	95.04

Unit: mm

HDGC3969WRB-XP-A

3.96mm pitch 90° Wafer

Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 66, UL94V-0
- *Mates with HDGC3969HD, HF-XP series Housing
- *Color: Natural

Ordering Information:

HDGC3969WRB-XP-A - $\frac{*}{1} - \frac{***}{2} - \frac{***}{3} - \frac{***}{4}$

1. Part No.

2. Type:

(Blank): TYPE 1

H: TYPE 2

3. Material:

(Blank): Nylon 66, UL94V-0

GWT: Nylon 66, UL94V-0, GWT 750°C

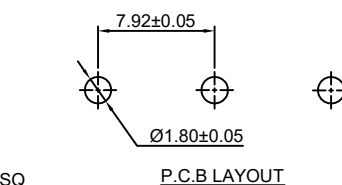
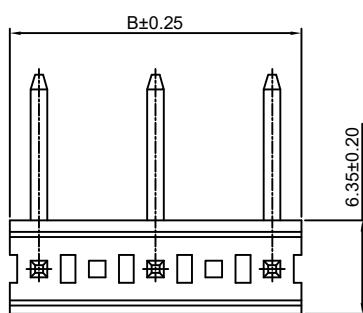
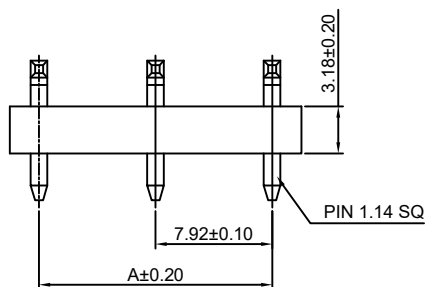
4. Finish:

(blank): Tin over Nickel

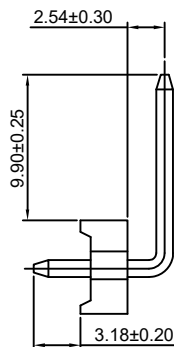
G: Gold-flash

G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)

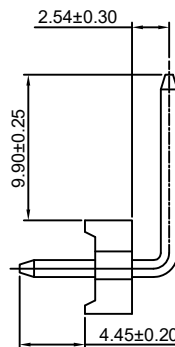
100µin (2.54µm) MIN. Select Tin



P.C.B LAYOUT



TYPE 1



TYPE 2

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
3P	7.92	11.88
5P	15.84	19.80
7P	23.76	27.72
9P	31.68	35.64
11P	39.60	43.56
13P	47.52	51.48
15P	55.44	59.40
17P	63.36	67.32
19P	71.28	75.24
21P	79.20	83.16
23P	87.12	91.08

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WVD-XP

3.96mm pitch 180° Wafer

Reference Informations:

*Material: Pin: Brass/Tin over Nickel

Insulator: Nylon 46, UL94V-0

*Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing

*Color: Black

Ordering Information:

HDGC3969WVD-XP - *** - ***

1. Part No.

2. Material:

(blank): Nylon 46, UL94V-0

GWT: Nylon 46, UL94V-0, GWT 750°C

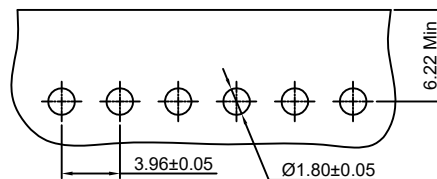
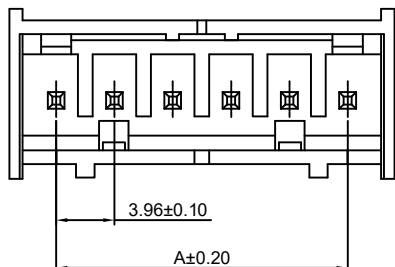
3. Finish:

(blank): Tin over Nickel

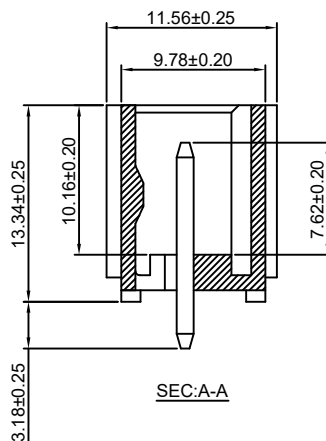
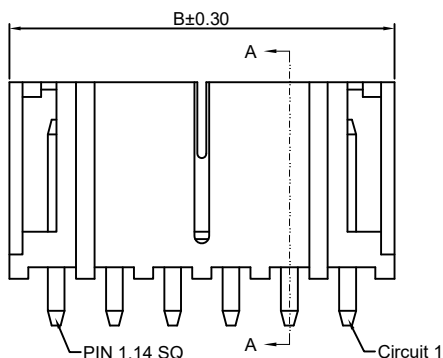
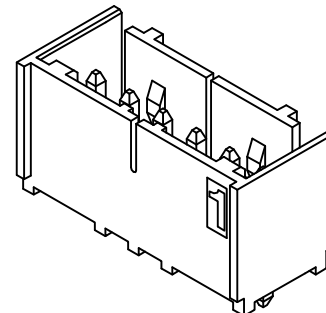
G: Gold-flash

G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)

100µin (2.54µm) MIN. Select Tin



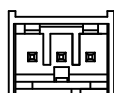
P.C.B LAYOUT



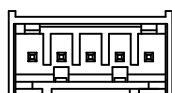
SEC: A-A



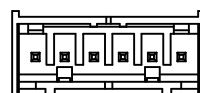
2P



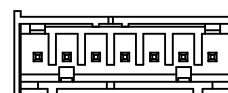
3P



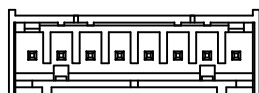
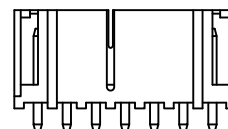
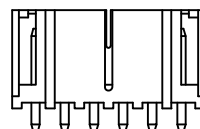
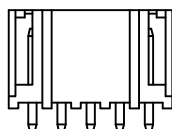
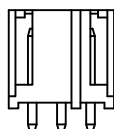
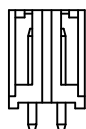
4P~5P



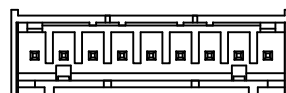
6P



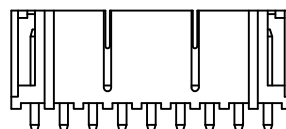
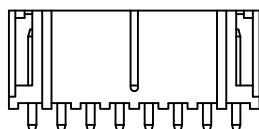
7P



8P



9P~12P



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	10.31
3P	7.92	14.27
4P	11.88	18.23
5P	15.84	22.19
6P	19.80	26.15
7P	23.76	30.11
8P	27.72	34.07
9P	31.68	38.03
10P	35.64	41.99
11P	39.60	45.95
12P	43.56	49.91

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WVD-F-XP

3.96mm pitch 180° Wafer

Reference Informations:

*Material: Pin: Brass/Tin over Nickel

Insulator: Nylon 46, UL94V-0

*Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing

*Color: Black

Ordering Information:

HDGC3969WVD-F-XP - $\frac{***}{1} - \frac{***}{2} - \frac{***}{3}$

1. Part No.

2. Material:

(blank): Nylon 46, UL94V-0

GWT: Nylon 46, UL94V-0, GWT 750°C

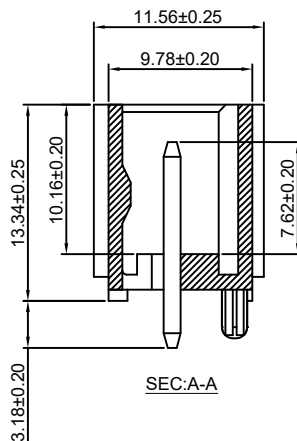
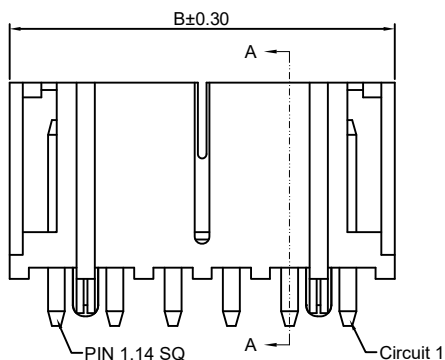
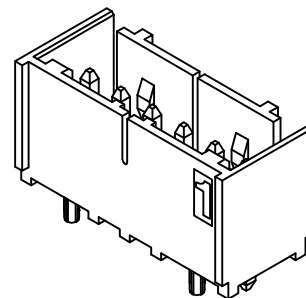
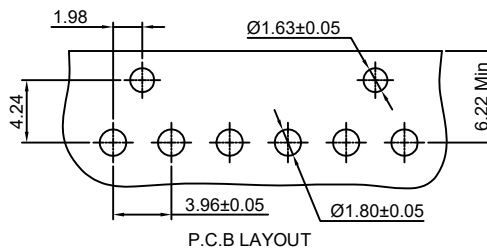
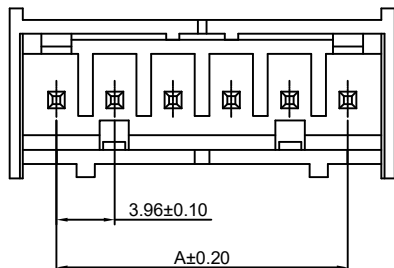
3. Finish:

(blank): Tin over Nickel

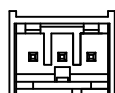
G: Gold-flash

G30: 30µm (0.76µm) MIN. Select Gold (Mating Area)

100µm (2.54µm) MIN. Select Tin



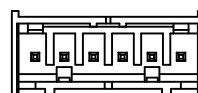
2P



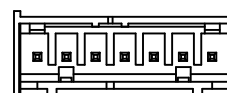
3P



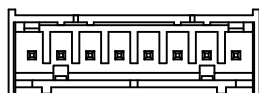
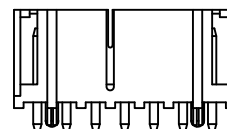
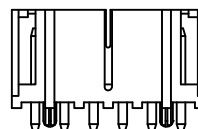
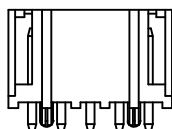
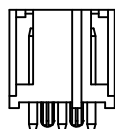
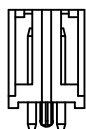
4P~5P



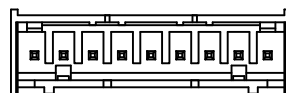
6P



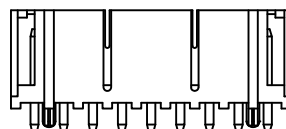
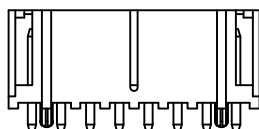
7P



8P



9P~12P



Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	10.31
3P	7.92	14.27
4P	11.88	18.23
5P	15.84	22.19
6P	19.80	26.15
7P	23.76	30.11
8P	27.72	34.07
9P	31.68	38.03
10P	35.64	41.99
11P	39.60	45.95
12P	43.56	49.91

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WRD-XP

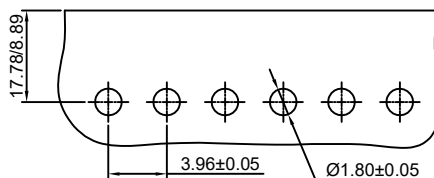
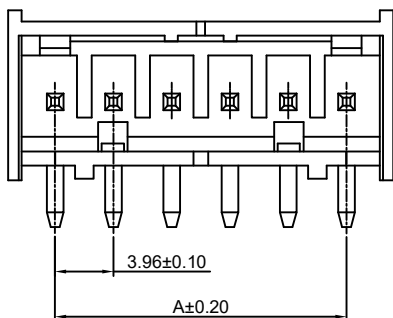
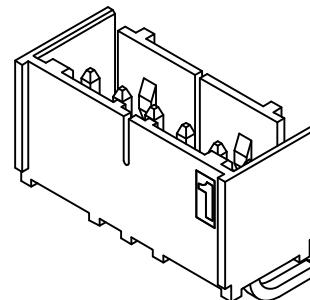
3.96mm pitch 90° Wafer

Reference Informations:

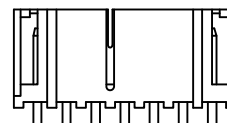
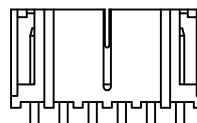
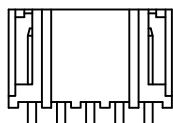
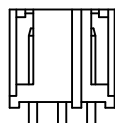
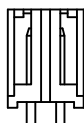
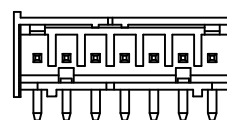
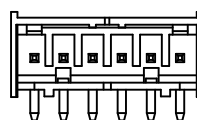
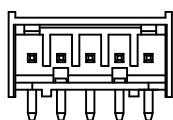
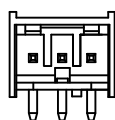
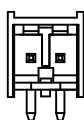
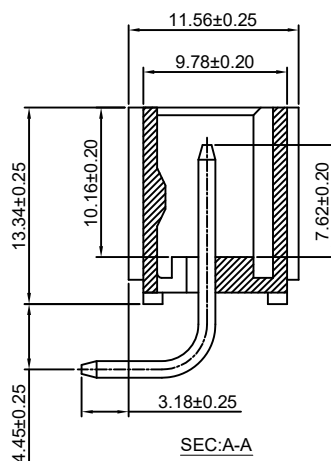
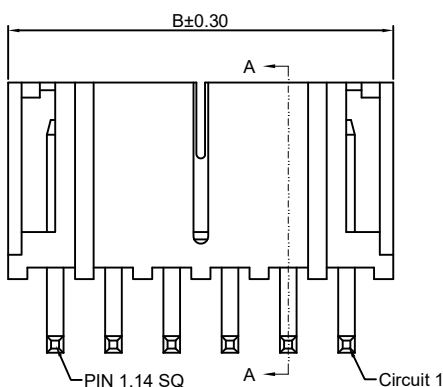
- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 46, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Black

Ordering Information:

- HDGC3969WRD-XP - *** - ***
- | 1 | 2 | 3 |
|--|---|---|
| 1. Part No. | | |
| 2. Material: | | |
| (blank): Nylon 46, UL94V-0 | | |
| GWT: Nylon 46, UL94V-0, GWT 750° C | | |
| 3. Finish: | | |
| (blank): Tin over Nickel | | |
| G: Gold-flash | | |
| G30: 30μin (0.76μm) MIN. Select Gold (Mating Area) | | |
| 100μin (2.54μm) MIN. Select Tin | | |



P.C.B LAYOUT



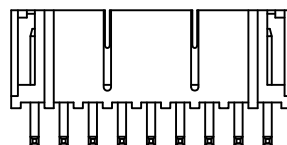
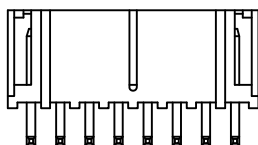
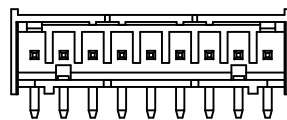
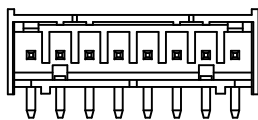
2P

3P

4P~5P

6P

7P



8P

9P~12P

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	10.31
3P	7.92	14.27
4P	11.88	18.23
5P	15.84	22.19
6P	19.80	26.15
7P	23.76	30.11
8P	27.72	34.07
9P	31.68	38.03
10P	35.64	41.99
11P	39.60	45.95
12P	43.56	49.91

Unit: mm



HDGC3969 Series 3.96mm (.156") Pitch IDC Wire to Board Connector

HDGC3969WRD-XP-2

3.96mm pitch 90° Wafer

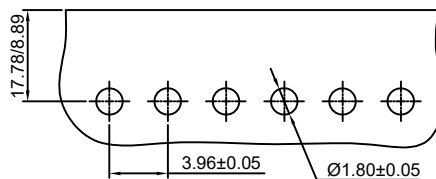
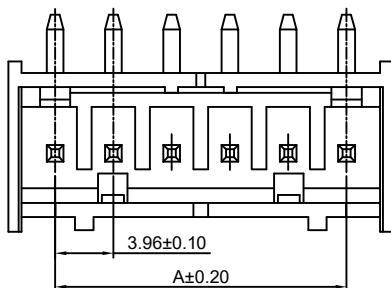
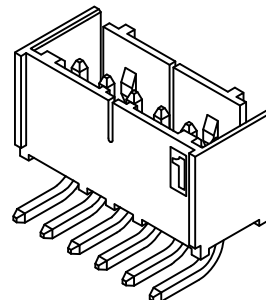
Reference Informations:

- *Material: Pin: Brass/Tin over Nickel
Insulator: Nylon 46, UL94V-0
- *Mates with HDGC3969H, HA, HB, HC, HE, HG, HH, HI, HJ, HK-XP series Housing
- *Color: Black

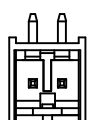
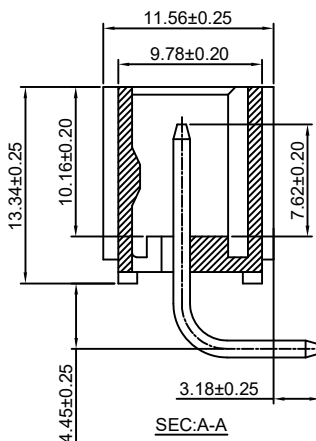
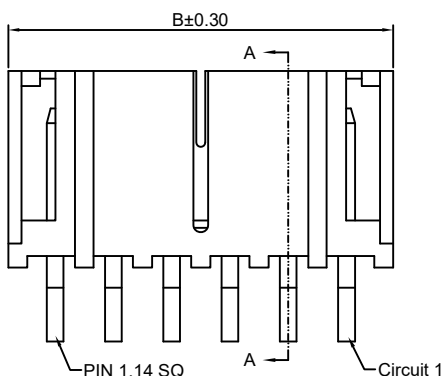
Ordering Information:

HDGC3969WRD-XP-2 - $\frac{***}{1} - \frac{***}{2} - \frac{***}{3}$

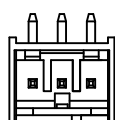
1. Part No.
2. Material:
(blank): Nylon 46, UL94V-0
GWT: Nylon 46, UL94V-0, GWT 750°C
3. Finish:
(blank): Tin over Nickel
G: Gold-flash
G30: 30µin (0.76µm) MIN. Select Gold (Mating Area)
100µin (2.54µm) MIN. Select Tin



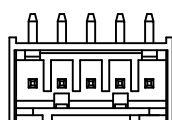
P.C.B LAYOUT



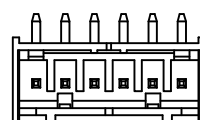
2P



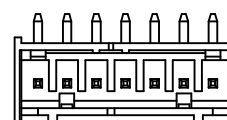
3P



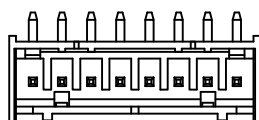
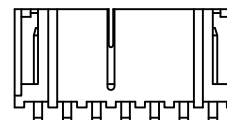
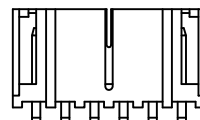
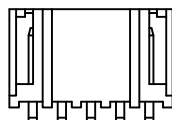
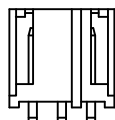
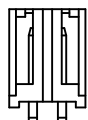
4P~5P



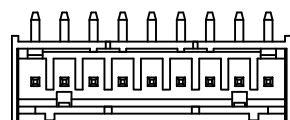
6P



7P



8P



9P~12P

Ordering Information & Dimensions:

PART NO.	Dimensions	
	A	B
2P	3.96	10.31
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10P	35.64	41.99
11P	39.60	45.95
12P	43.56	49.91

Unit: mm