

1

2

3

4

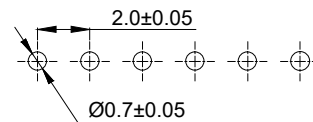
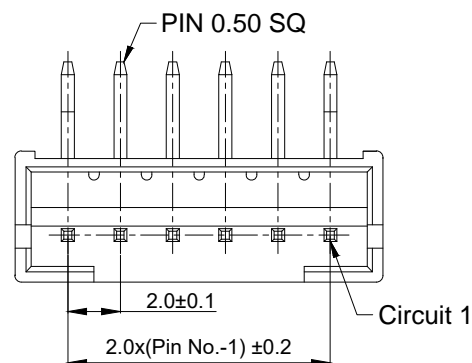
5

6

7

A

A



PCB LAYOUT

Notes:

Insulator Material: Nylon 66,White UL94V-0;
 Contact Pin: Brass, Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2A AC, DC;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 800V AC/minute;
 Operation Temperature: -40°C to +105°C;
 Packing: Bag

⑦ Order code:A-WBP-K001EA-xxTBxx

01:TYPE 1 UL No.:E198287 ⑨
 02:TYPE 2

B

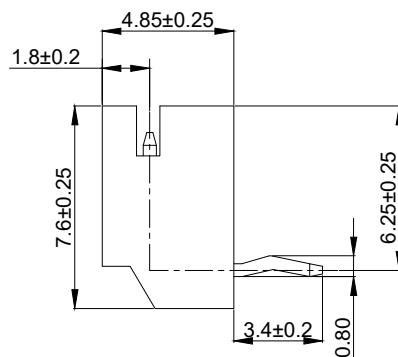
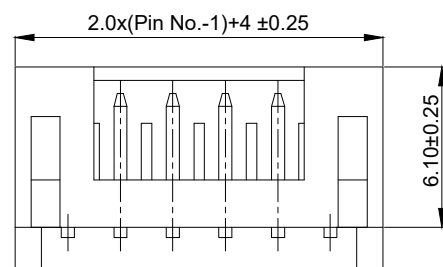
B

C

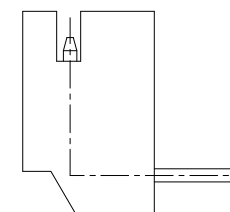
C

D

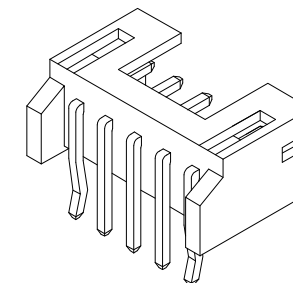
D



TYPE1



⑦ TYPE2



E

E

F

F

G

G

RoHS compliant

Unit:mm

Scale Free

TOLERANCE

X. ±0.35

X.X ±0.25

X.XX ±0.20

X.XXX ±0.15

DIM TOL

Angle TOL

⑨

Add UL E-No. on page 1,2,4

03.11.2022

Peter

Date

Name

Description: Wire to board Wafer connector
Pitch 2.0mm 90° THT

⑧

Add P/N and the page 3

03.11.2022

Peter

Drawn

21.01.2021

Segal

⑦

Update

22.04.2022

Daniel

Approved

03.15.2023

Peter

ASSMANN WSW-No.

A-WBP-K001EA-xxTBxx

⑥

Add PN and sheet 1 & 2 & 3, add dimension

15.02.2022

Daniel

⑤

Change the design of terminal and update the dimension and tolerance

06.01.2022

Peter

④

Remove the groove on the side of the housing and add note

18.10.2021

Peter

Id.

Modification

Date

Name

ASSMANN
WSW components

Drawing-No.

ASS 8874 CO

rev 09

Customer-No.

SHEET
1 / 8

H

H

1

2

3

4

5

6

7

1

2

3

4

5

6

7

A

A

B

B

C

C

D

D

E

E

F

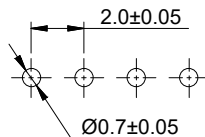
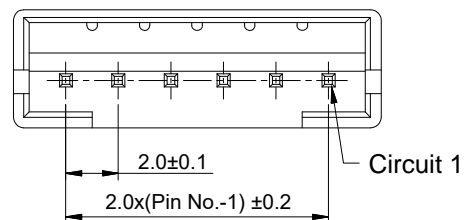
F

G

G

H

H



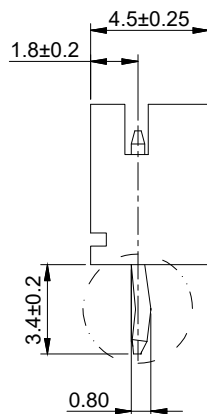
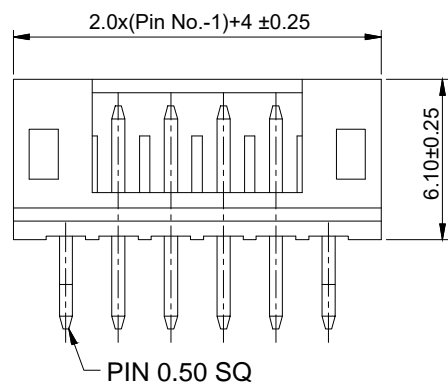
PCB LAYOUT

Notes:

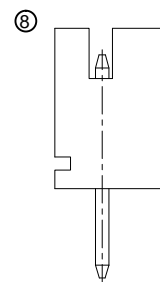
Insulator Material: Nylon 66, White UL94V-0;
 Contact Pin: Brass, Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2A AC, DC;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 800V AC/minute;
 Operation Temperature: -40°C to +105°C;
 Packing: Bag

⑧ Order Code:A-WBP-K001EG-xxTBxx

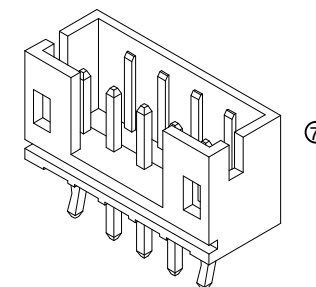
⑨ 01:TYPE 1 UL No.:E198287
 02:TYPE 2



TYPE1



TYPE2



RoHS compliant

Unit:mm

Scale Free

TOLERANCE

X. ±0.35

X.X ±0.25

X.XX ±0.20

X.XXX ±0.15

DIM TOL

Angle TOL

⑨

Add UL E-No. on page 1,2,4

03.11.2022

Peter

Date

Name

Description: Wire to board Wafer connector
Pitch 2.0mm 180° THT

⑧

Add P/N and the page 3

03.11.2022

Peter

Drawn

21.01.2021

Segal

⑦

Update

22.04.2022

Daniel

Approved

03.15.2023

Peter

ASSMANN WSW-No.

A-WBP-K001EG-xxTB01

⑥

Add PN and sheet 1 &2 &3, add dimension

15.02.2022

Daniel

⑤

Change the design of terminal and update the dimension and tolerance

06.01.2022

Peter

④

Remove the groove on the side of the housing and add note

18.10.2021

Peter

Id.

Modification

Date

Name

ASSMANN
WSW components

Drawing-No.

ASS 8874 CO

rev 09

Customer-No.

SHEET
2 / 8

1

2

3

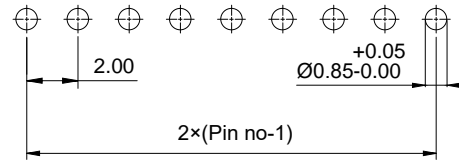
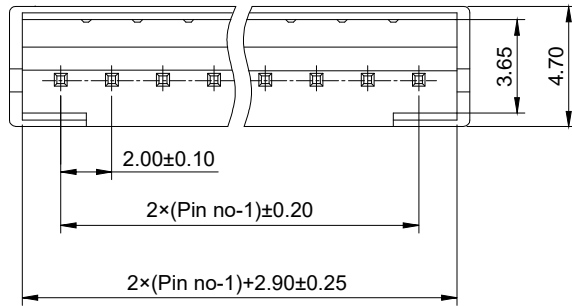
4

5

6

7

⑧

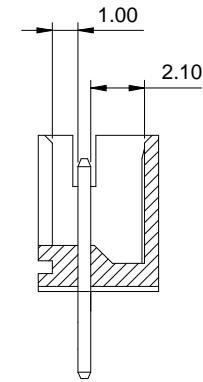
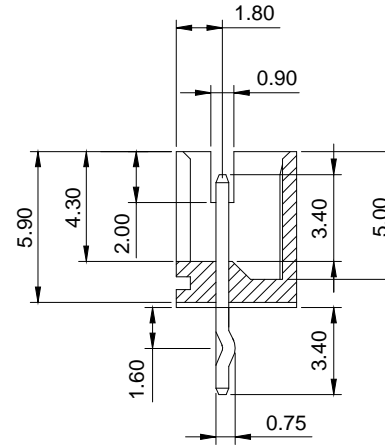
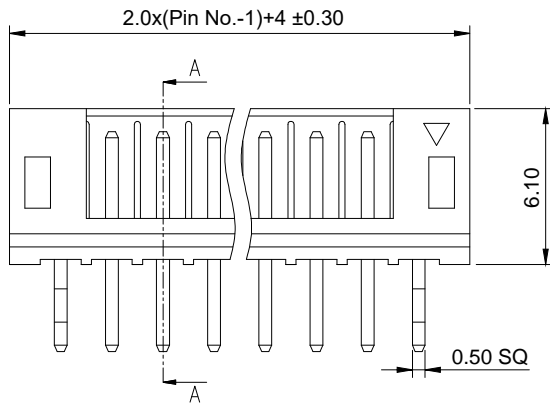


Recommended P.C.B Layout (Top Side)
(PCB Board Tolerance±0.05)

Notes:

Insulator Material: PA46, Natural,UL94V-0;
 Contact Pin: Brass, Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2.0A;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 800V AC/minute;
 Contact Resistance: 20mΩ Max
 Operation Temperature: -40°C to +105°C;
 Packing: PE bag
 Soldering Temperature: +360°C,2-3S
 Order code:A-WBP-K001EG-xxTBxx

03:TYPE 1
 04:TYPE 2



TYPE2

TYPE1

RoHS compliant

Unit:mm

Scale Free

TOLERANCE

X. ±0.35

X.X ±0.25

X.XX ±0.20

X.XXX ±0.15

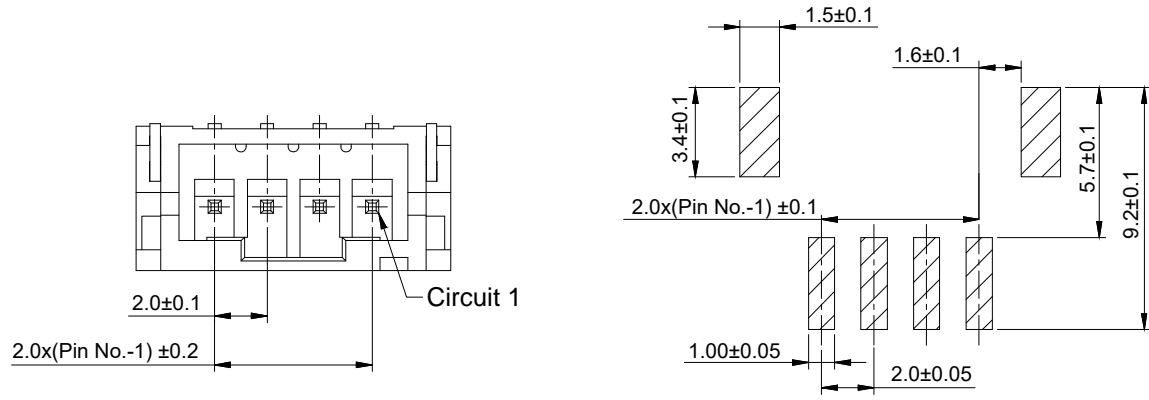
DIM TOL

Angle TOL

③	Add UL E-No. on page 1,2,4	03.11.2022	Peter		Date	Name	Description: Wire to board Wafer connector Pitch 2.0mm 180° THT
⑥	Add P/N and the page 3	03.11.2022	Peter	Drawn	21.01.2021	Segal	
⑦	Update	22.04.2022	Daniel	Approved	03.15.2023	Peter	ASSMANN WSW-No.
⑥	Add PN and sheet 1 & 2 & 3, add dimension	15.02.2022	Daniel				A-WBP-K001EG-xxTBxx
⑤	Change the design of termianl and update the dimension and tolerance	06.01.2022	Peter				Drawing-No.
④	Remove the groove on the side of the housing and add note	18.10.2021	Peter				ASS 8874 CO
Id.	Modification	Date	Name				Customer-No.
							SHEET
							3 / 8

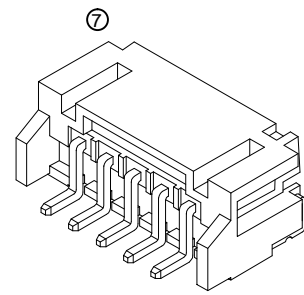
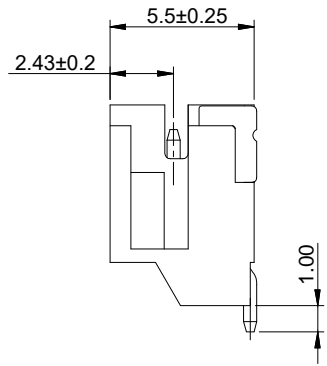
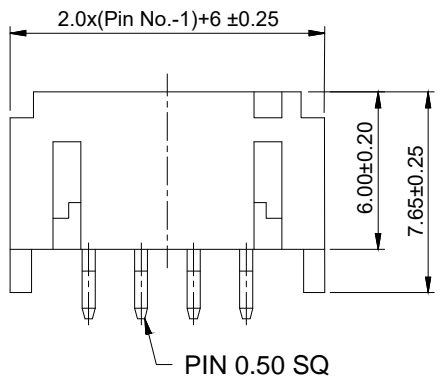




Drawing-No. ASS 8874 CO rev 09
 Customer-No. SHEET 3 / 8



PCB LAYOUT

- Notes:
- ⑦ Insulator Material: Nylon6T, color natural, UL94V-0;
 - Contact Pin: Brass, Tin over Nickel;
 - Voltage Rating: 100V AC,DC;
 - Current Rating: 2A AC, DC;
 - Insulation Resistance: 1000MΩ Min;
 - Withstanding Voltage: 800V AC/minute;
 - Operation Temperature: -40°C to +105°C;
 - Packing: Tape&Reel.



G	RoHS compliant Unit:mm  ⑨ File No.: E198287	Scale	Free	⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter		Date	Name	Description: Wire to board Wafer connector Pitch 2.0mm 90° SMT	
		TOLERANCE		⑧	Add P/N and the page 3	03.11.2022	Peter	Drawn	21.01.2021	Segal		
H		X.	±0.35	⑦	Update	22.04.2022	Daniel	Approved	03.15.2023	Peter	ASSMANN WSW-No. A-WBP-K001EA-xxSR01	
		X.X	±0.25	⑥	Add PN and sheet 1 & 2 & 3, add dimension	15.02.2022	Daniel					
		X.XX	±0.20	⑤	Change the design of terminal and update the dimension and tolerance	06.01.2022	Peter			Drawing-No. ASS 8874 CO		rev 09
		X.XXX	±0.15	④	Remove the groove on the side of the housing and add note	18.10.2021	Peter					
		DIM	TOL	Id.	Modification	Date	Name	Customer-No.		SHEET 4 / 8		
		Angle	TOL									

1

2

3

4

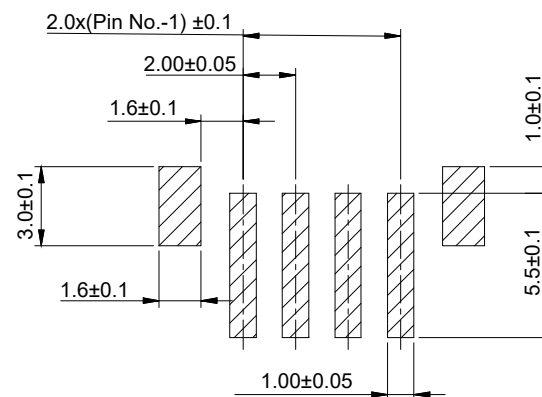
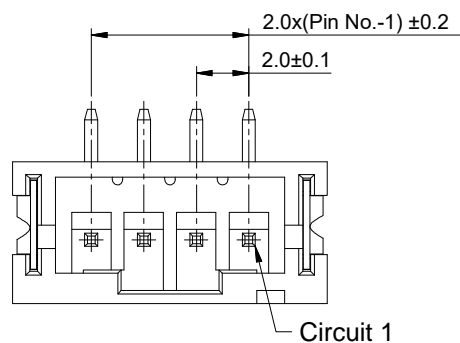
5

6

7

A

A



PCB LAYOUT

Notes:
 ⑦ Insulator Material: Nylon6T, color natural, UL94V-0;
 Contact Pin: Brass, Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2A AC, DC;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 800V AC/minute;
 Operation Temperature: -40°C to +105°C;
 Packing: Tape&Reel.

B

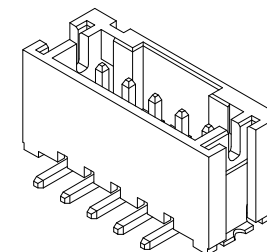
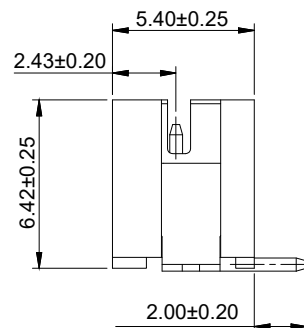
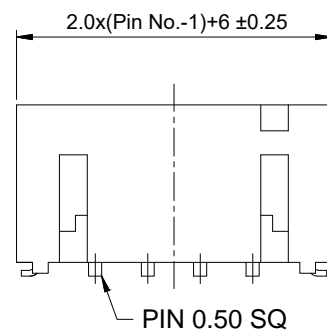
B

C

C

D

D



E

E

F

F

G

G

RoHS compliant

Unit:mm

Scale Free

TOLERANCE

X. ±0.35

X.X ±0.25

X.XX ±0.20

X.XXX ±0.15

DIM TOL

Angle TOL

⑨

Add UL E-No. on page 1,2,4

03.11.2022

Peter

Date

Name

Description: Wire to board Wafer connector
Pitch 2.0mm 180° SMT

⑧

Add P/N and the page 3

03.11.2022

Peter

Drawn

21.01.2021

Segal

⑦

Update

22.04.2022

Daniel

Approved

03.15.2023

Peter

ASSMANN WSW-No.

A-WBP-K001EG-xxSR01

⑥

Add PN and sheet 1 & 2 & 3, add dimension

15.02.2022

Daniel

⑤

Change the design of terminal and update the dimension and tolerance

06.01.2022

Peter

④

Remove the groove on the side of the housing and add note

18.10.2021

Peter

Drawing-No.

ASS 8874 CO

rev 09

Customer-No.

SHEET
5 / 8

H

H

1

2

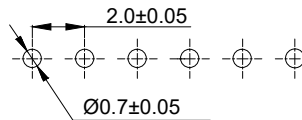
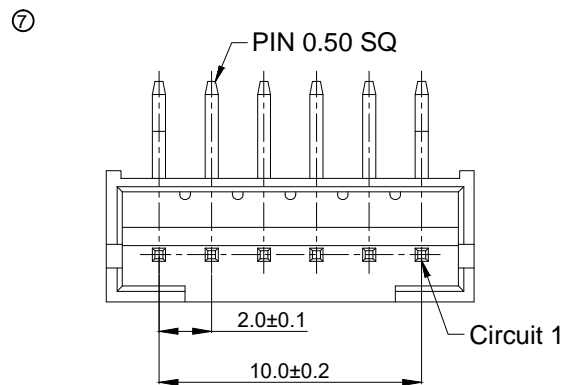
3

4

5

6

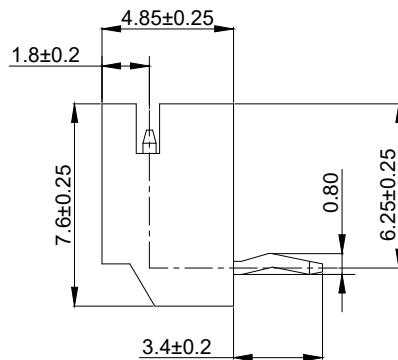
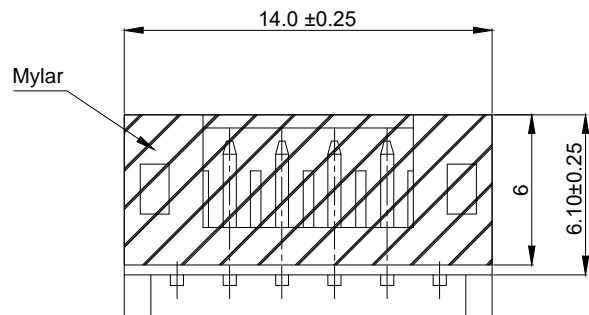
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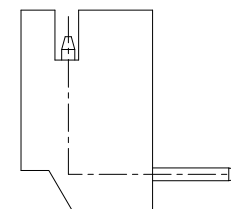
PCB LAYOUT

Notes:
 Insulator Material: LCP, White UL94V-0;
 Contact Pin: Brass, Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2A AC, DC;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 800V AC/minute;
 Operation Temperature: -40°C to +105°C;
 Packing: Tape&Reel+Mylar;
 Order code:A-WBP-K001EA-xxRRxx

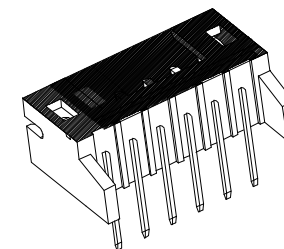
01:TYPE 1
 02:TYPE 2



TYPE1



TYPE2



RoHS compliant

Unit:mm

Scale	Free
TOLERANCE	
X.	±0.35
X.X	±0.25
X.XX	±0.20
X.XXX	±0.15
DIM	TOL
Angle	TOL

⑦	Add UL E-No. on page 1,2,4	03.11.2022	Peter		Date	Name
⑥	Add P/N and the page 3	03.11.2022	Peter	Drawn	21.01.2021	Segal
⑦	Update	22.04.2022	Daniel	Approved	03.15.2023	Peter
⑥	Add PN and sheet 1 & 2 & 3, add dimension	15.02.2022	Daniel			
⑤	Change the design of terminal and update the dimension and tolerance	06.01.2022	Peter			
④	Remove the groove on the side of the housing and add note	18.10.2021	Peter			
Id.	Modification	Date	Name			



Description: Wire to board Wafer connector
Pitch 2.0mm 90° THR

ASSMANN WSW-No.
A-WBP-K001EA-xxRRxx

Drawing-No.
ASS 8874 CO rev 09

Customer-No. SHEET 6 / 8

1

2

3

4

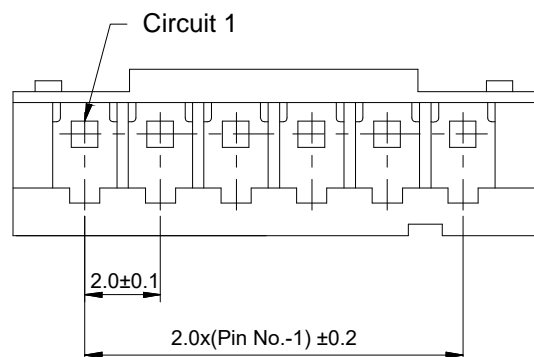
5

6

7

A

A



Notes:
 Insulator Material: Nylon66 White UL94V-0;
 Voltage Rating: 250V AC,DC;
 Current Rating: 5A AC, DC;
 Insulation Resistance: 1000MΩ Min;
 Withstanding Voltage: 1500V AC/minute;
 Operation Temperature: -25°C to +85°C;
 Packing: PE bag.

④ Notch location:
 2 ~ 5pin without notch
 6 ~ 10pin notch is located between the 5th pin and the 6th pin

B

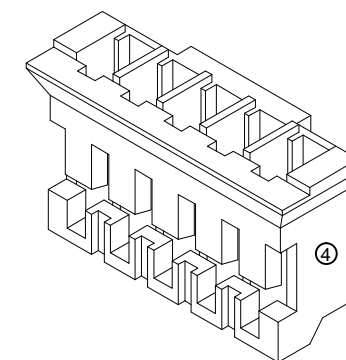
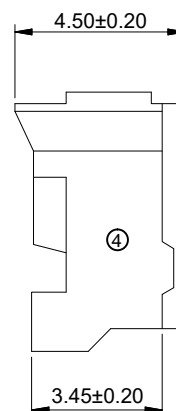
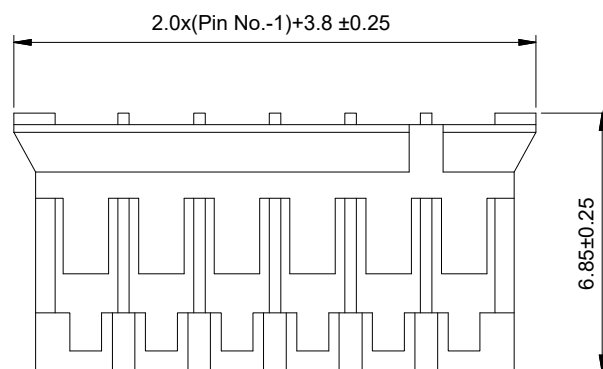
B

C

C

D

D



E

E

F

F

G

G

RoHS compliant

Unit:mm

Scale	Free
-------	------

⑨

Add UL E-No. on page 1,2,4

03.11.2022

Peter

Date

Name

Description: Wire to board Housing
Pitch 2.0mm 180°

TOLERANCE	
-----------	--

⑧

Add P/N and the page 3

03.11.2022

Peter

Drawn

21.01.2021

Segal

X.

±0.35

⑦

Update

22.04.2022

Daniel

Approved

03.15.2023

Peter

ASSMANN WSW-No.

A-WBH-K001EG-xxCB01

X.X

±0.25

⑥

Add PN and sheet 1 &2 &3 , add dimension

15.02.2022

Daniel

X.XX

±0.20

⑤

Change the design of termianl and update the dimension and tolerance

06.01.2022

Peter

X.XXX

±0.15

④

Remove the groove on the side of the housing and add note

18.10.2021

Peter

ASSMANN
WSW components

Drawing-No.

ASS 8874 CO

rev 09

DIM

TOL

Id.

Modification

Date

Name

Customer-No.

SHEET
7 / 8

H

H

1

2

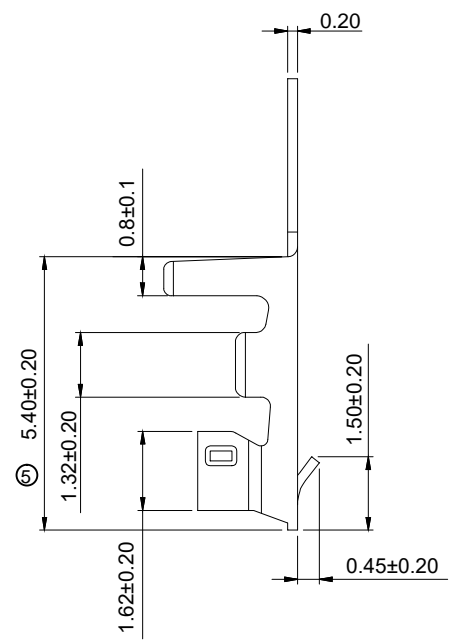
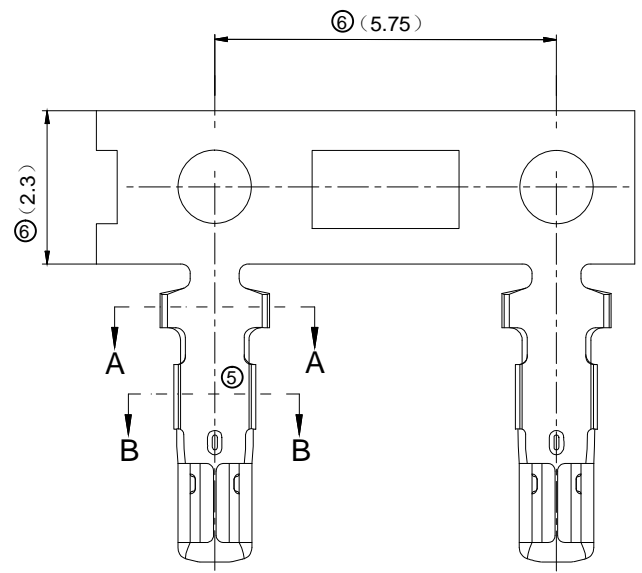
3

4

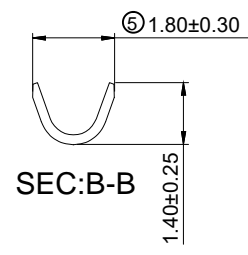
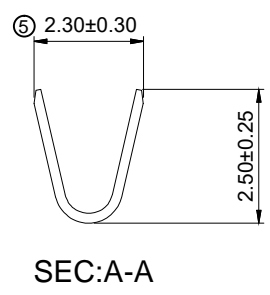
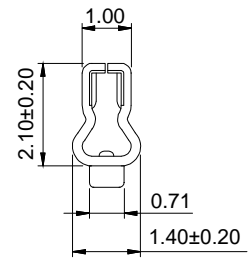
5

6

7



Notes:
 Material: Phosphor Bronze,
 Plating: Tin over Nickel;
 Voltage Rating: 100V AC,DC;
 Current Rating: 2A AC, DC;
 Contact Resistance: 10mΩ Max;
 Withstanding Voltage: 800V AC/minute;
 Operation Temperature: -40°C to +105°C;
 Wire Range: #24-#30;
 Packing: Reel



G	RoHS compliant Unit:mm	Scale	Free	⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter		Date	Name	Description: Wire to board Terminal Pitch 2.0mm 180°	
		TOLERANCE		⑧	Add P/N and the page 3	03.11.2022	Peter	Drawn	21.01.2021	Segal	ASSMANN WSW-No. A-WBT-K001EG-01CR01	
H		X.	±0.35	⑦	Update	22.04.2022	Daniel	Approved	03.15.2023	Peter		
		X.X	±0.25	⑥	Add PN and sheet 1 & 2 & 3, add dimension	15.02.2022	Daniel				Customer-No. SHEET 8 / 8	
		X.XX	±0.20	⑤	Change the design of terminal and update the dimension and tolerance	06.01.2022	Peter					
		X.XXX	±0.15	④	Remove the groove on the side of the housing and add note	18.10.2021	Peter					
		DIM	TOL	Id.	Modification	Date	Name					
Angle	TOL											