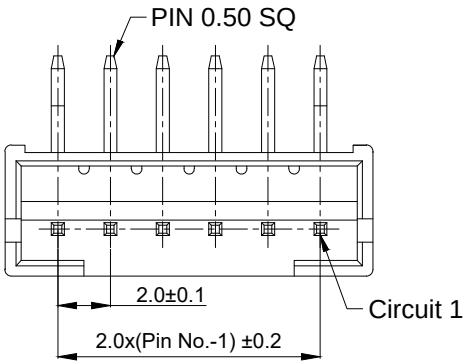
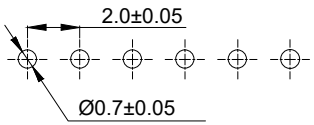


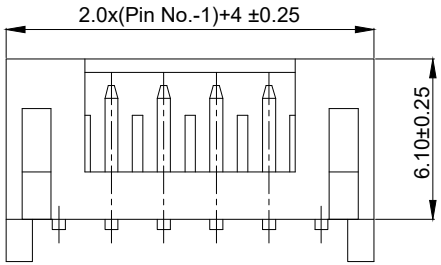


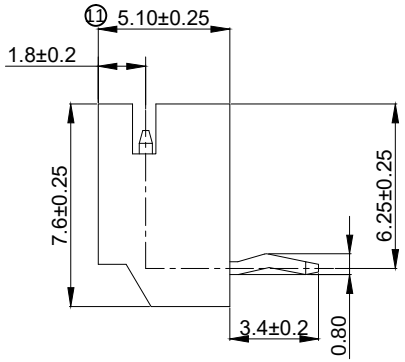
PCB LAYOUT

Notes:

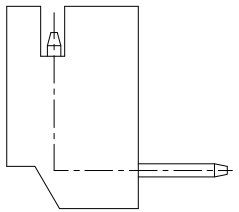
Insulator Material:	Nylon 66,White UL94V-0;
Contact Pin:	Brass, Tin over Nickel;
Voltage Rating:	100V AC,DC;
Current Rating:	2A AC, DC;
Insulation Resistance:	1000MΩ Min;
Withstanding Voltage:	800V AC/minute;
Operation Temperature:	-40°C to +105°C;
Packing:	Bag

⑦ Order code:A-WBP-K001EA-xxTBxx
- 01:TYPE 1 UL No.:E198287 ⑨
- 02:TYPE 2

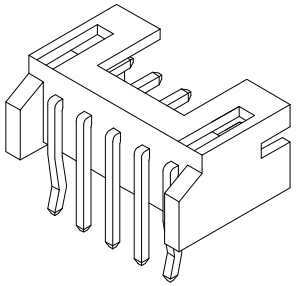




TYPE1



⑦ 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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

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

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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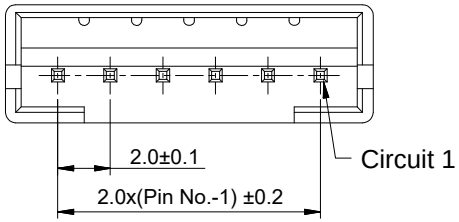
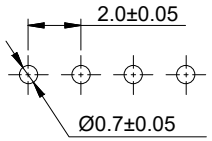


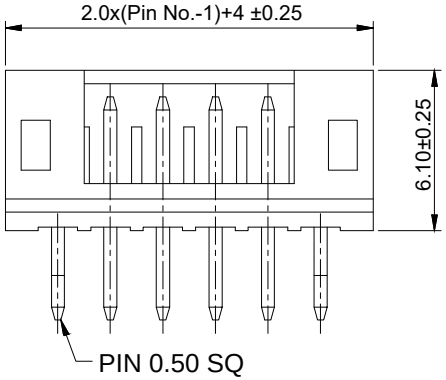


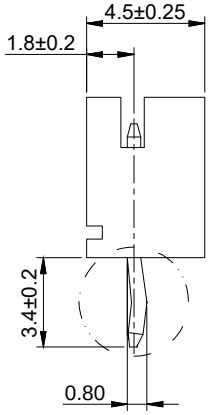
PCB LAYOUT

Notes:

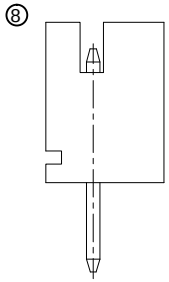
Insulator Material:	Nylon 66, White UL94V-0;
Contact Pin:	Brass, Tin over Nickel;
Voltage Rating:	100V AC,DC;
Current Rating:	2A AC, DC;
Insulation Resistance:	1000MΩ Min;
Withstanding Voltage:	800V AC/minute;
Operation Temperature:	-40°C to +105°C;
Packing:	Bag

⑧ Order Code:A-WBP-K001EG-xxTBxx
- 01:TYPE 1 UL No.:E198287 ⑨
- 02:TYPE 2

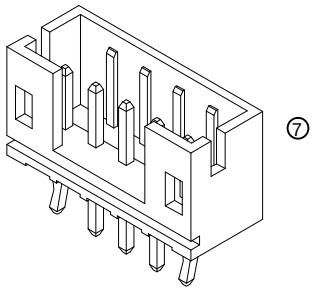




TYPE1



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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

ASSMANN WSW-No.
A-WBP-K001EG-xxTB01

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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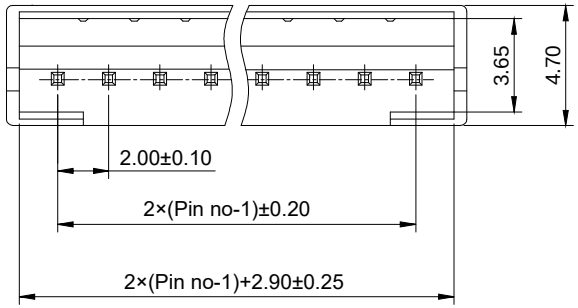
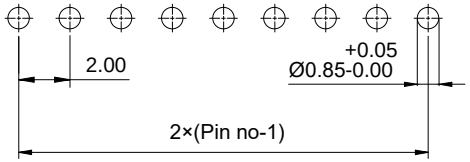
⑧



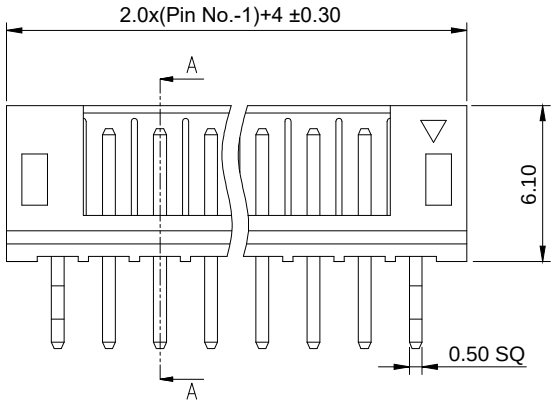


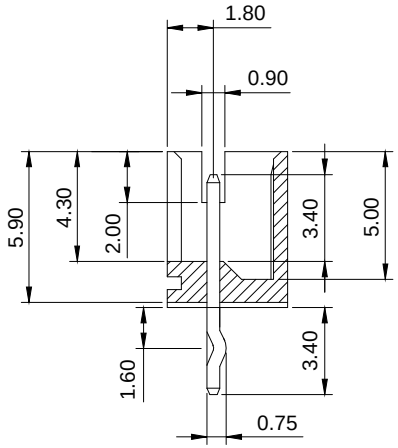
Recommened P.C.B Layout (Top Side)
(PCB Board Tolerance±0.05)

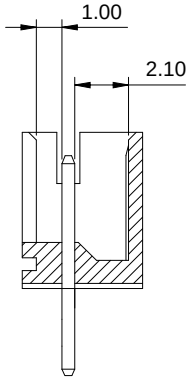
Notes:

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

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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

ASSMANN WSW-No.
A-WBP-K001EG-xxTBxx

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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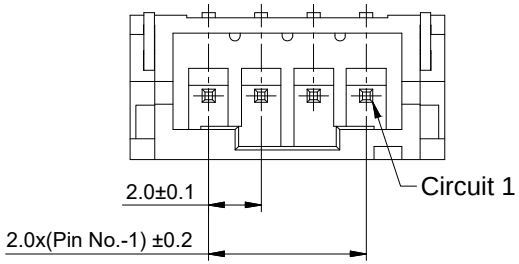
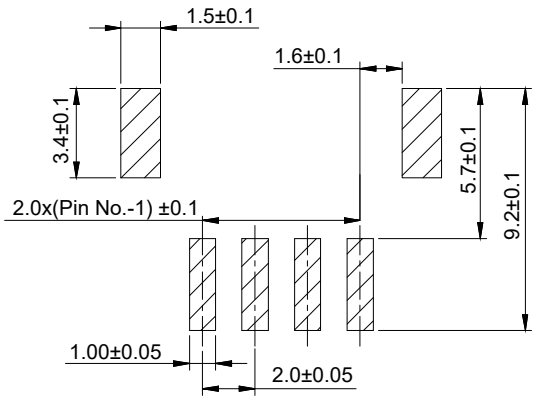
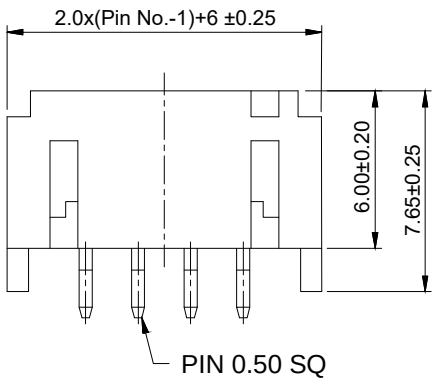


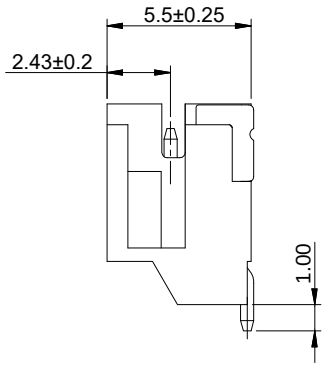


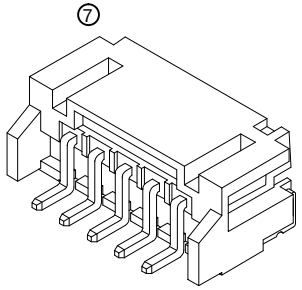
PCB LAYOUT

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.







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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

ASSMANN WSW-No.
A-WBP-K001EA-xxSR01

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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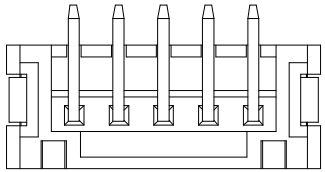
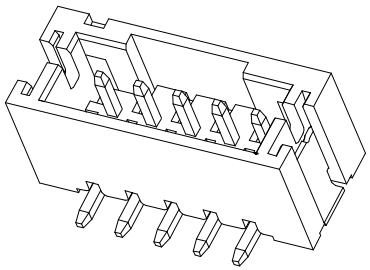
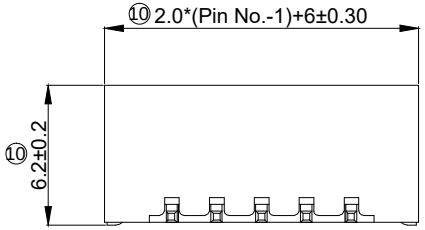
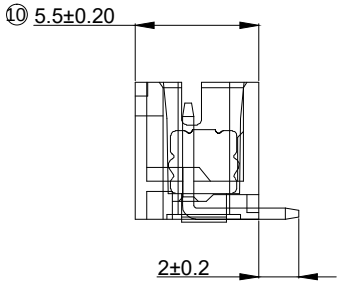


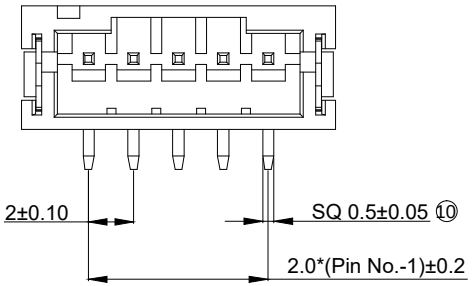


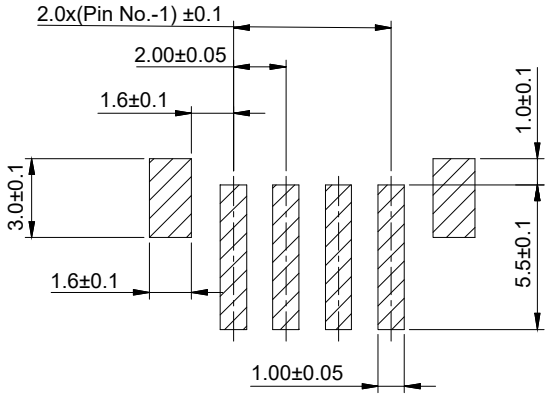
Notes:

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.









PCB LAYOUT

RoHS compliant

Unit:mm

⑫ File No.: E198287

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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

ASSMANN WSW-No.
A-WBP-K001EG-xxSR01

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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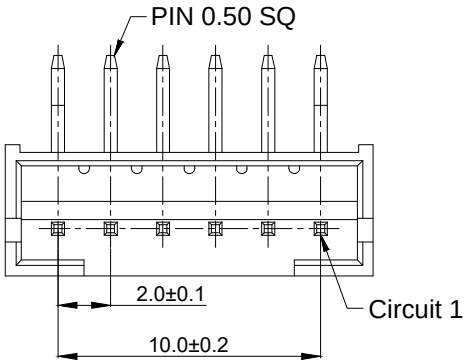
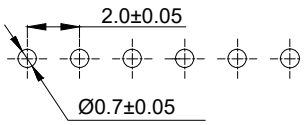
⑦



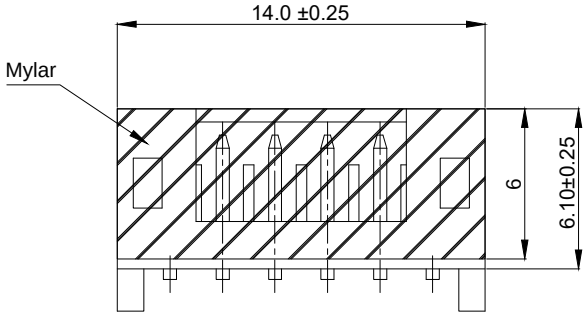


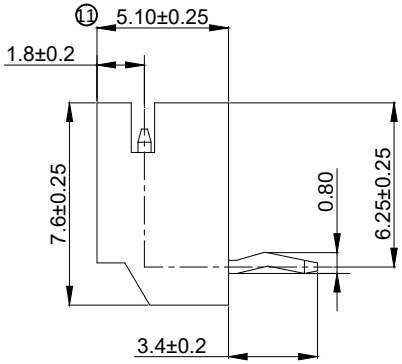
PCB LAYOUT

Notes:

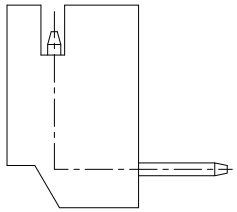
Insulator Material:	LCP, White UL94V-0;
Contact Pin:	Brass, Tin over Nickel;
Voltage Rating:	100V AC,DC;
Current Rating:	2A AC, DC;
Insulation Resistance:	1000MΩ Min;
Withstanding Voltage:	800V AC/minute;
Operation Temperature:	-40°C to +105°C;
Packing:	Tape&Reel+Mylar;

Order code:A-WBP-K001EA-xxRRxx
- 01:TYPE 1
- 02:TYPE 2

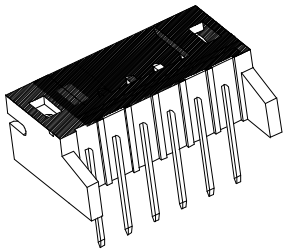




TYPE1



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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

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

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

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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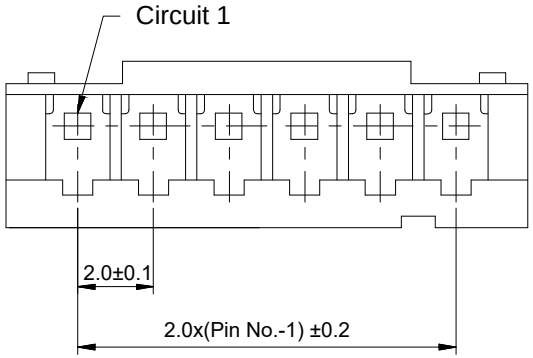
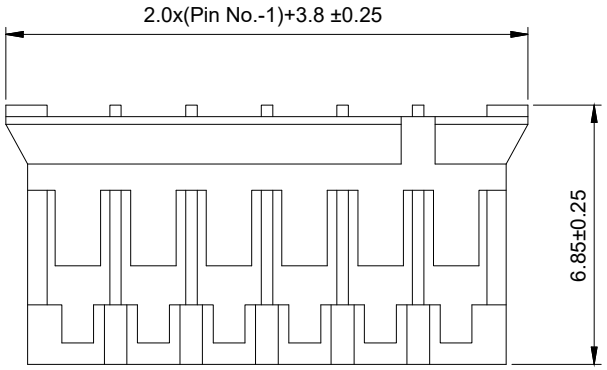
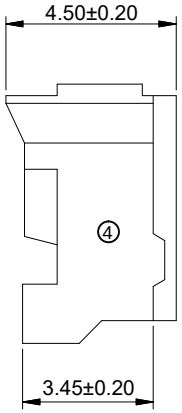


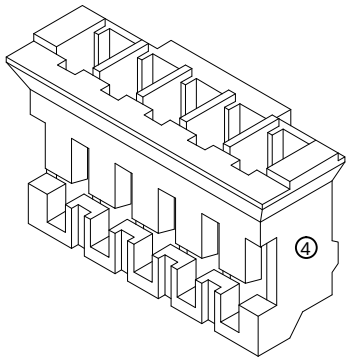
Notes:

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







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

Id.	Modification	Date	Name
⑫	Add UL E-No. on page 5 and remove UL E-No. from page 4	24.07.2022	Peter
⑪	Update the dimension	07.02.2024	Winnie
⑩	Update the dimension and tolerance	03.07.2024	Peter
⑨	Add UL E-No. on page 1,2,4	03.11.2022	Peter
⑧	Add P/N and the page 3	03.11.2022	Peter
⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

Description: Wire to board Housing
Pitch 2.0mm 180°

ASSMANN WSW-No.
A-WBH-K001EG-xxCB01

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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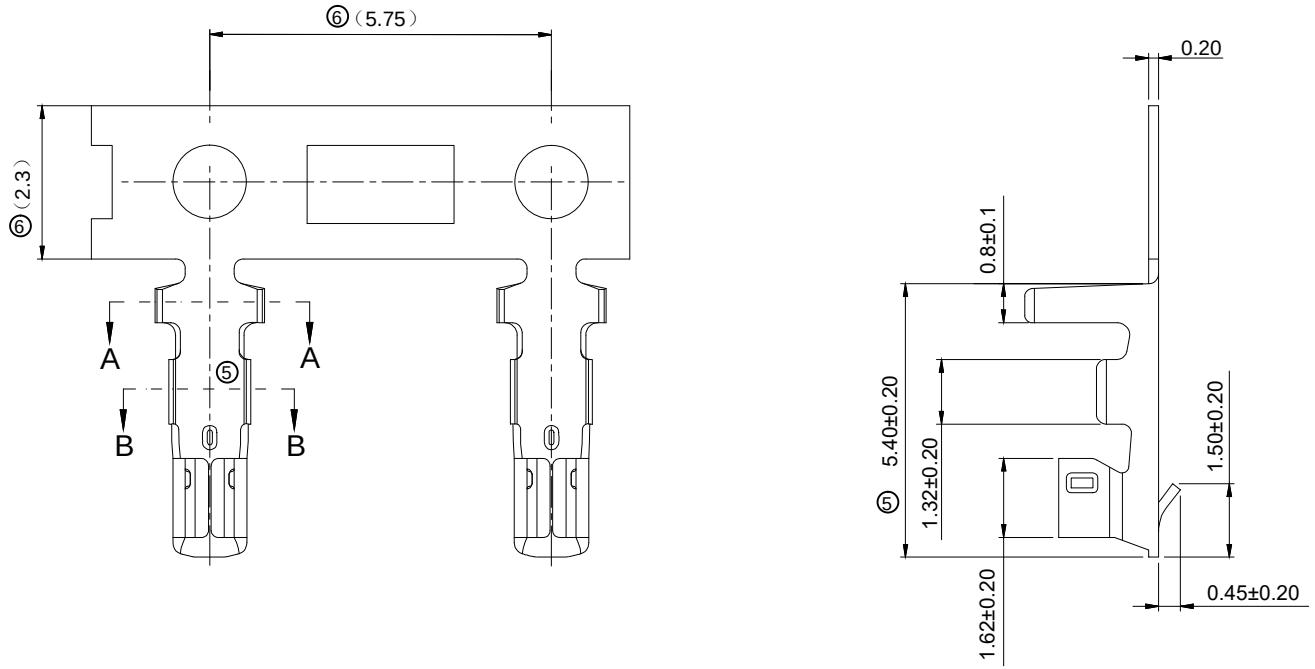
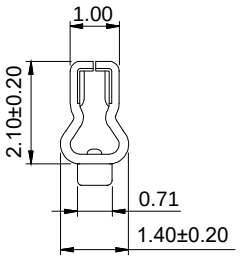
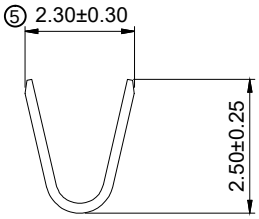


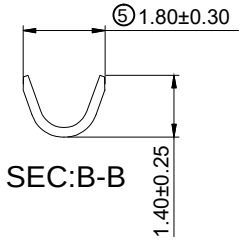
Notes:

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





SEC:A-A



SEC:B-B

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

Id.	Modification	Date	Name
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⑦	Update	22.04.2022	Daniel

	Date	Name
Drawn	21.01.2021	Segal
Approved	24.07.2024	Peter

ASSMANN WSW components
A company of BCS

Description: Wire to board Terminal
Pitch 2.0mm 180°

ASSMANN WSW-No.
A-WBT-K001EG-01CR01

Drawing-No.
ASS 8874 CO

rev12

Customer-No.

SHEET
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