Auf dem Schüffel 1
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Tel.: +49-2351 - 5542-00
Fax +49 (2351) 554-861
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www.assmann-wsw.com

PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 29.09.2026
MODIFICATION / REVISION DATE: 29.09.2026

A-WBx-K006Dx-xxxx01
Wafer Serie K006, Pitch 2.00 mm connector

CHANGE NOTIFICATION: PCN 20260929_A-WBx-K006Dx-xxxx01

DESCRIPTION OF CHANGES:
CHANGE OF DATA SHEET
CHANGE OF PRODUCT MATERIALS
ASS_9089_COrev02

REASON FOR CHANGE: CHANGE OF MATERIAL PARAMETERS OR PROPERTIES

KEY CHARACTERISTICS OF CHANGE:
CHANGE OF PRODUCT TOLERANCE
Details see page 3 and page 4

PRODUCTS AFFECTED: A-WBx-K006Dx-xxxx01

DATE OF CHANGE AND IMPLEMENTATION:
CHANGE: 40/2026
IMPLEMENTATION: 29.09.2026

RESPONSE: NO RESPONSE TO THIS NOTIFICATION IS REQUIRED

PCN REVISION HISTORY:
DATE OF REVISION: 29.09.2026 REVISION NUMBER: 00

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PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 29.09.2026
MODIFICATION / REVISION DATE: 29.09.2026

REFERENCE DOCUMENTS / ATTACHMENTS:
DOCUMENT: DRAWING

ASSMANN WSW P/N	Drawing Number		ASSMANN WSW P/N	Drawing Number
A-WBx-K006Dx-xxxx01	ASS_9089_COrev01	↔	A-WBx-K006Dx-xxxx01	ASS_9089_COrev02

PCN REVISION HISTORY:
DATE OF REVISION: 29.09.2026 REVISION NUMBER: 00

ASSMANN WSW components
A company of BCS
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PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 29.09.2026
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A-WBx-K006Dx-xxxx01 OLD VERSION	A-WBx-K006Dx-xxxx01 NEW VERSION
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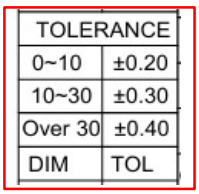	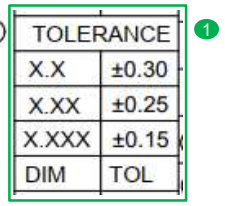
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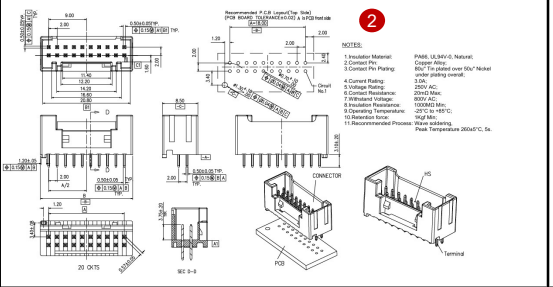	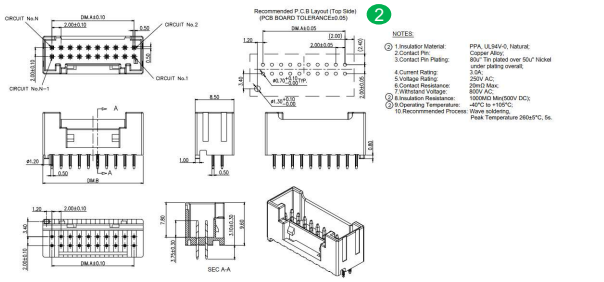
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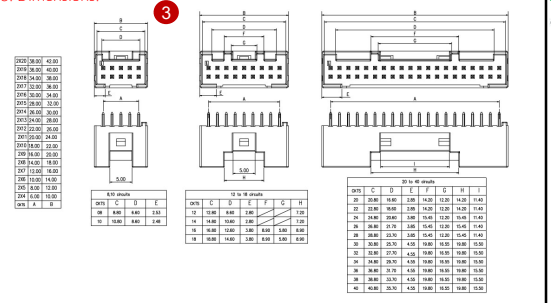
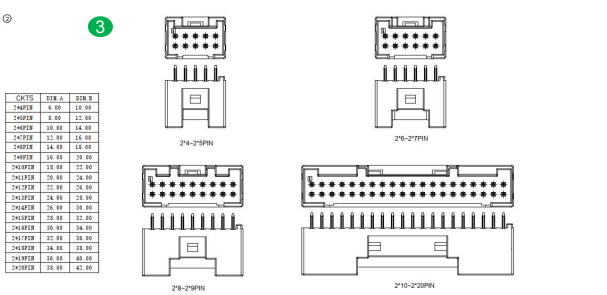
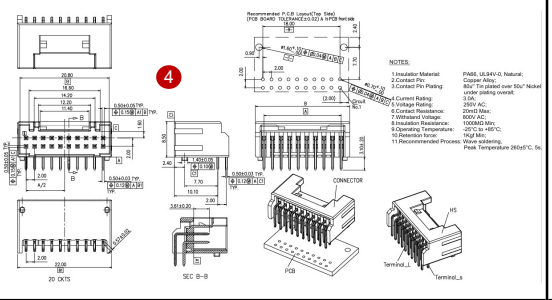
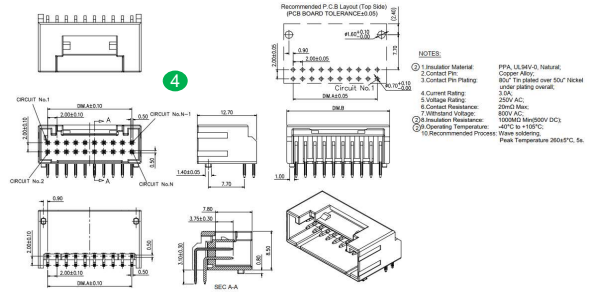
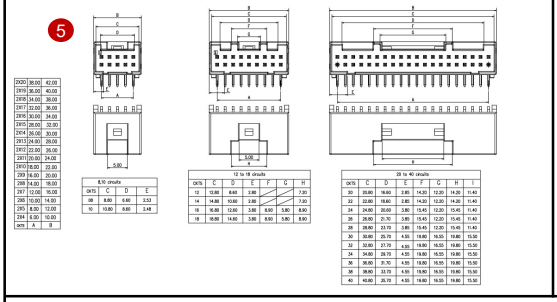
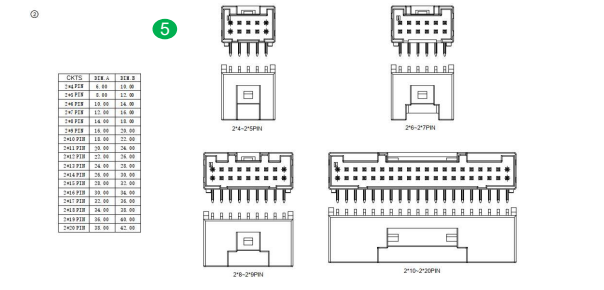
	
4. Dimensions and notes:	4. Dimensions and notes:
	
5. Dimensions and notes:	5. Dimensions and notes:
	

FOR DETAIL, PLEASE TAKE ATTACHED NEW DRAWING: ASS_9089_COrev02 FOR REFERENCE

PCN REVISION HISTORY:
DATE OF REVISION: 29.09.2026 REVISION NUMBER: 00

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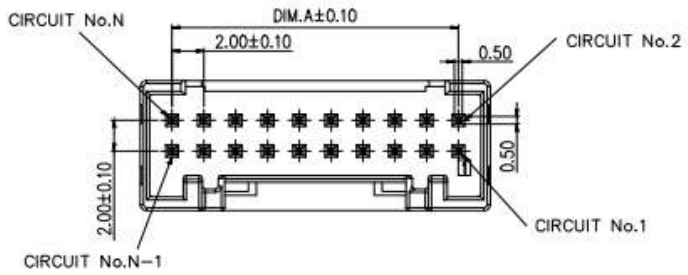
PRODUCT CHANGE NOTIFICATION (PCN)

ISSUE DATE: 29.09.2026
MODIFICATION / REVISION DATE: 29.09.2026

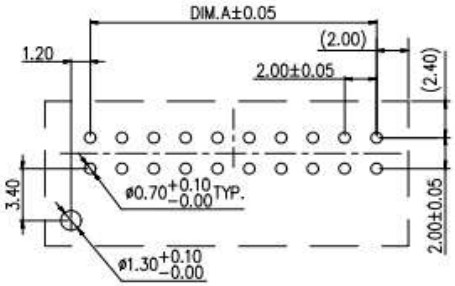
A-WBx-K006Dx-xxxx01 OLD VERSION	A-WBx-K006Dx-xxxx01 NEW VERSION
6. Don't have the SMT type connector in the drawing page 5 to page 7	6. Add the SMT type connector in the drawing page 5 to page 7
7. Dimensions and notes	7. Dimensions and notes:
8. Dimensions:	8. Dimensions:
9. Dimensions and notes:	9. Dimensions and notes:

FOR DETAIL, PLEASE TAKE ATTACHED NEW DRAWING: ASS_9089_COrev02 FOR REFERENCE

PCN REVISION HISTORY:
DATE OF REVISION: 29.09.2026 REVISION NUMBER: 00

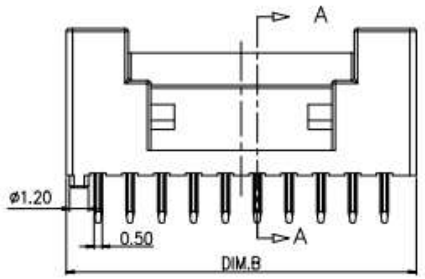


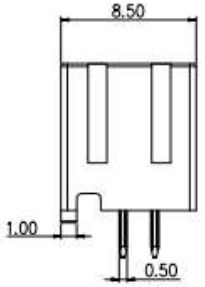
Recommended P.C.B Layout (Top Side)
(PCB BOARD TOLERANCE±0.05)

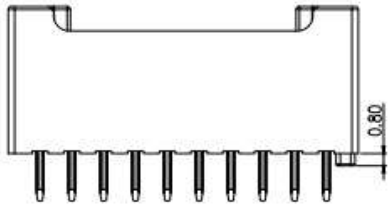


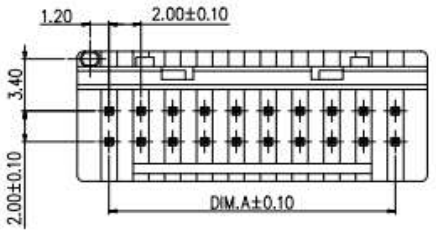
NOTES:

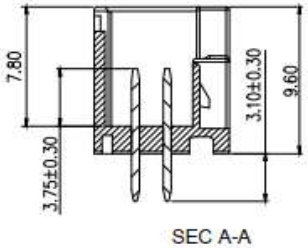
②	1.Insulatior Material:	PPA, UL94V-0, Natural;
	2.Contact Pin:	Copper Alloy;
	3.Contact Pin Plating:	80u" Tin plated over 50u" Nickel under plating overall;
	4.Current Rating:	3.0A;
	5.Voltage Rating:	250V AC;
	6.Contact Resistance:	20mΩ Max;
	7.Withstand Voltage:	800V AC;
②	8.Insulation Resistance:	1000MΩ Min(500V DC);
②	9.Operating Temperature:	-40°C to +105°C;
	10.Reconmmended Process:	Wave soldering, Peak Temperature 260±5°C, 5s.



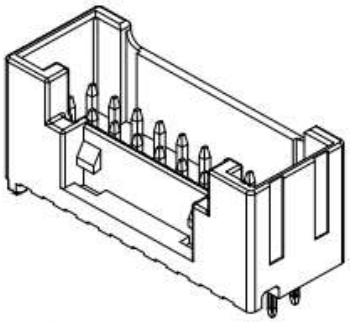








SEC A-A



RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch 180°wafer

ASSMANN WSW-No.
A-WBP-K006DG-xxTT01

Drawing-No.
ASS 9089 CO

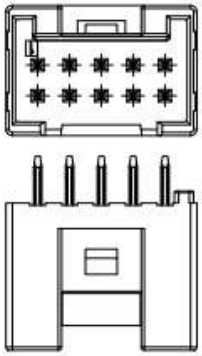
rev02

Replace

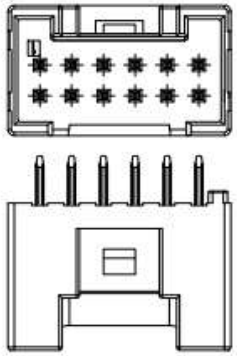
Sheet 1/12

SV5139

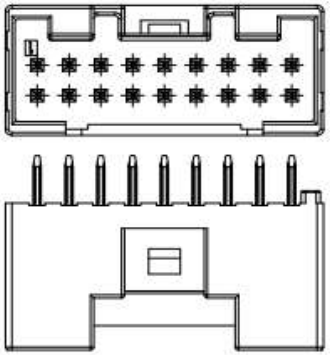
CKTS	DIM.A	DIM.B
2*4PIN	6.00	10.00
2*5PIN	8.00	12.00
2*6PIN	10.00	14.00
2*7PIN	12.00	16.00
2*8PIN	14.00	18.00
2*9PIN	16.00	20.00
2*10PIN	18.00	22.00
2*11PIN	20.00	24.00
2*12PIN	22.00	26.00
2*13PIN	24.00	28.00
2*14PIN	26.00	30.00
2*15PIN	28.00	32.00
2*16PIN	30.00	34.00
2*17PIN	32.00	36.00
2*18PIN	34.00	38.00
2*19PIN	36.00	40.00
2*20PIN	38.00	42.00



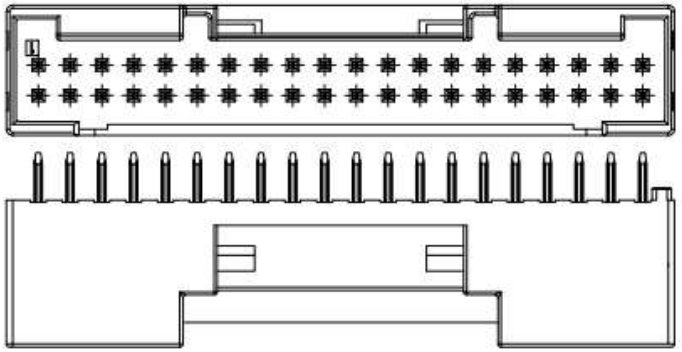
2*4~2*5PIN



2*6~2*7PIN



2*8~2*9PIN



2*10~2*20PIN

RoHS compliant
Unit: mm

Scale	Free
TOLERANCE	
X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
DIM	TOL
Angle	±3°

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch 180°wafer

ASSMANN WSW-No.
A-WBP-K006DG-xxTT01

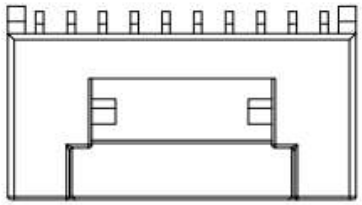
Drawing-No.
ASS 9089 CO

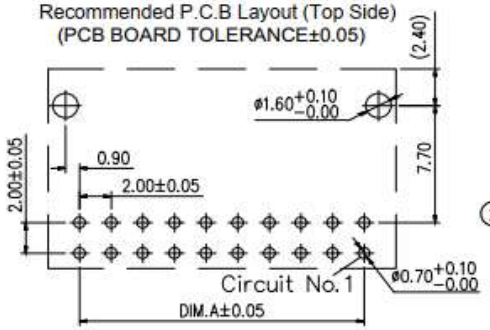
rev02

Replace

Sheet 2/12

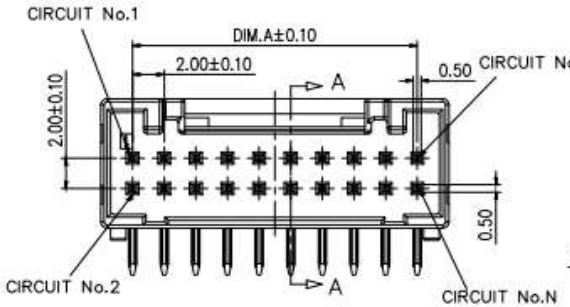
SV5139

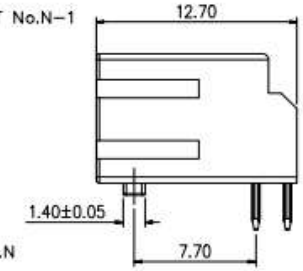


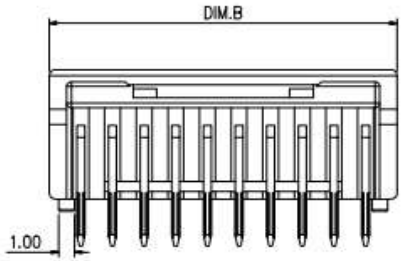


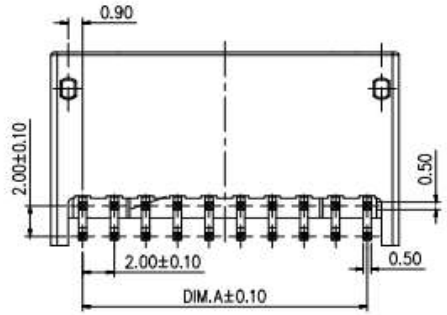
NOTES:

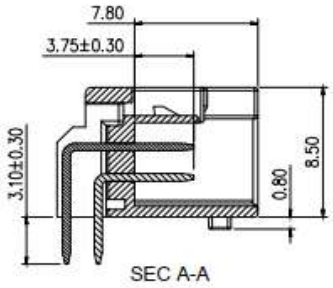
②	1.Insulatior Material:	PPA, UL94V-0, Natural;
	2.Contact Pin:	Copper Alloy;
	3.Contact Pin Plating:	80u" Tin plated over 50u" Nickel under plating overall;
	4.Current Rating:	3.0A;
	5.Voltage Rating:	250V AC;
	6.Contact Resistance:	20mΩ Max;
	7.Withstand Voltage:	800V AC;
②	8.Insulation Resistance:	1000MΩ Min(500V DC);
②	9.Operating Temperature:	-40°C to +105°C;
	10.Reconmmended Process:	Wave soldering, Peak Temperature 260±5°C, 5s.

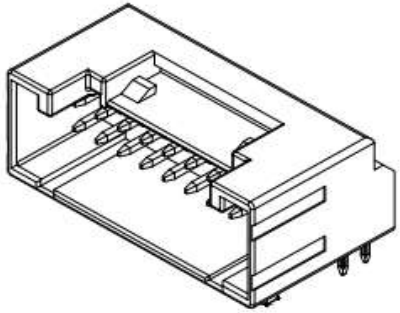












RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch 90°wafer

ASSMANN WSW-No.
A-WBP-K006DA-xxTT01

Drawing-No.
ASS 9089 CO

rev02

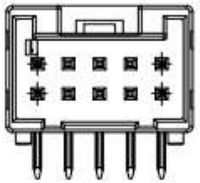
Replace

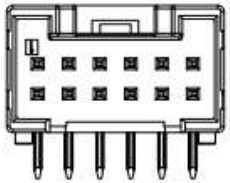
Sheet 3/12

SV5139

②

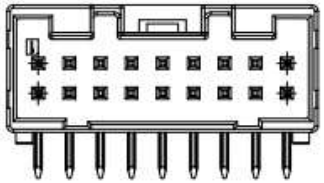
CKTS	DIM.A	DIM.B
2*4 PIN	6.00	10.00
2*5 PIN	8.00	12.00
2*6 PIN	10.00	14.00
2*7 PIN	12.00	16.00
2*8 PIN	14.00	18.00
2*9 PIN	16.00	20.00
2*10 PIN	18.00	22.00
2*11 PIN	20.00	24.00
2*12 PIN	22.00	26.00
2*13 PIN	24.00	28.00
2*14 PIN	26.00	30.00
2*15 PIN	28.00	32.00
2*16 PIN	30.00	34.00
2*17 PIN	32.00	36.00
2*18 PIN	34.00	38.00
2*19 PIN	36.00	40.00
2*20 PIN	38.00	42.00

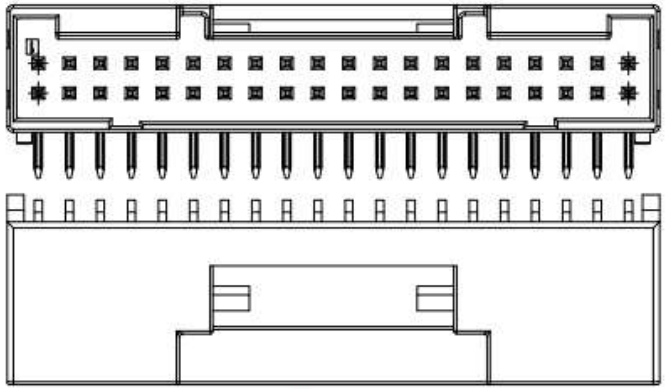




2*4~2*5PIN

2*6~2*7PIN





2*8~2*9PIN

2*10~2*20PIN

RoHS compliant
Unit: mm

② TOLERANCE

Scale	Free
X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
DIM	TOL
Angle	±3°

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch 90°wafer

ASSMANN WSW-No.
A-WBP-K006DA-xxTT01

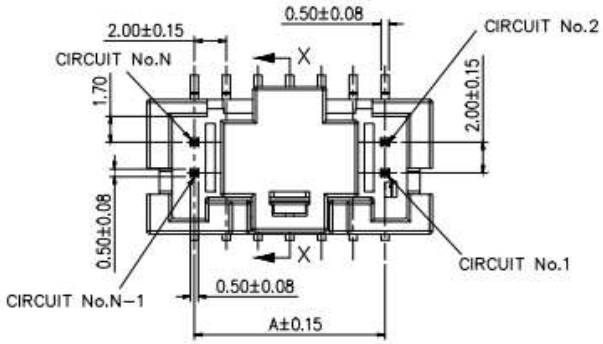
Drawing-No.
ASS 9089 CO

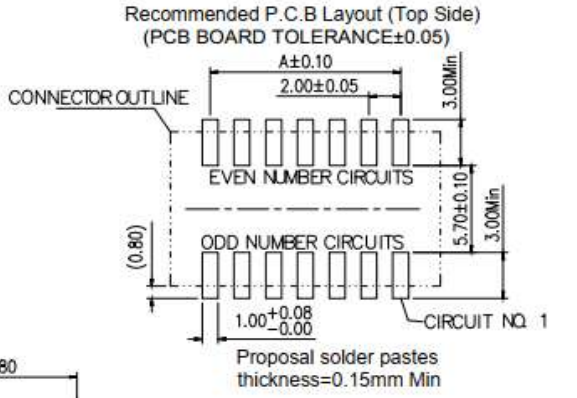
rev02

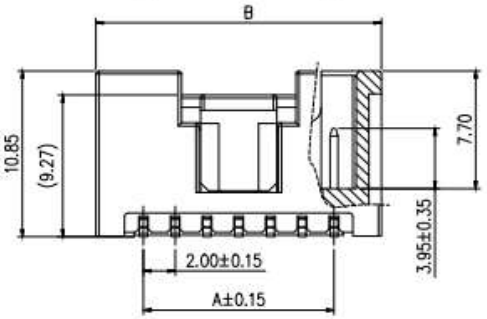
Replace

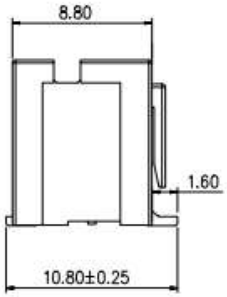
Sheet 4/12

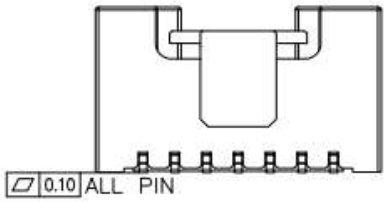
SV5139

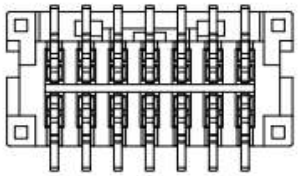


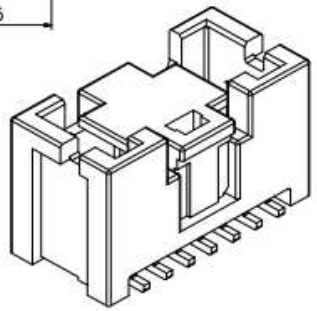












NOTES:

1.Insulatior Material:	PA9T, UL94V-0, Natural;
2.Contact Pin:	Copper Alloy;
3.Contact Pin Plating:	80u" Tin plated over 50u" Nickel under plating overall;
4.Current Rating:	3.0A;
5.Voltage Rating:	250V AC;
6.Contact Resistance:	20mΩ Max;
7.Withstand Voltage:	800V AC;
8.Insulation Resistance:	1000MΩ Min(500V DC);
9.Operating Temperature:	-40°C to +105°C;
10.Reconmmended Process:	IR soldering, Peak Temperature 260±5°C, 5s.

RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch SMT type wafer

ASSMANN WSW-No.
A-WBP-K006DG-xxSR01

Drawing-No.
ASS 9089 CO

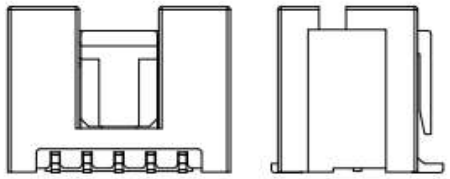
rev02

Replace

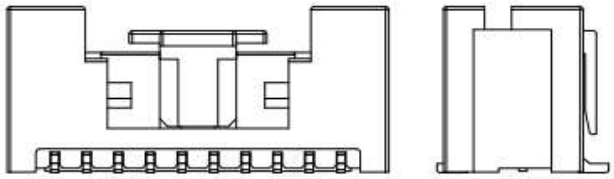
Sheet 5/12

SV5139

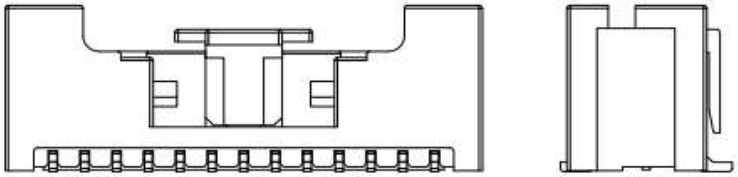
CKTS	A	B
2*5PIN	8.00	14.00± 0.25
2*6PIN	10.00	16.00± 0.25
2*7PIN	12.00	18.00± 0.25
2*8PIN	14.00	20.00± 0.25
2*9PIN	16.00	22.00± 0.25
2*10PIN	18.00	24.00± 0.30
2*11PIN	20.00	26.00± 0.30
2*12PIN	22.00	28.00± 0.30
2*13PIN	24.00	30.00± 0.30
2*14PIN	26.00	32.00± 0.30
2*15PIN	28.00	34.00± 0.30
2*16PIN	30.00	36.00± 0.35
2*17PIN	32.00	38.00± 0.35
2*18PIN	34.00	40.00± 0.35
2*19PIN	36.00	42.00± 0.35
2*20PIN	38.00	44.00± 0.35



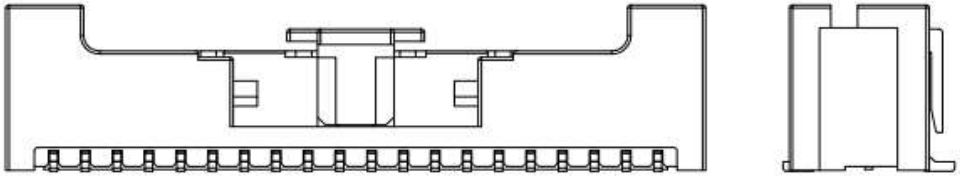
10PIN



20, 22PIN



24 to 28PIN



30 to 40PIN

RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch SMT type wafer

ASSMANN WSW-No.
A-WBP-K006DG-xxSR01

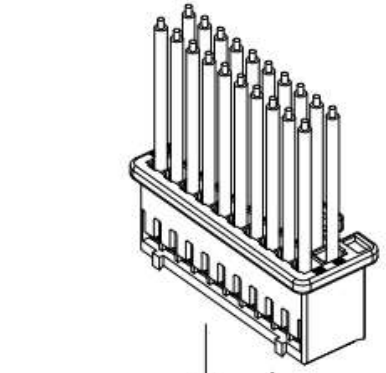
Drawing-No.
ASS 9089 CO

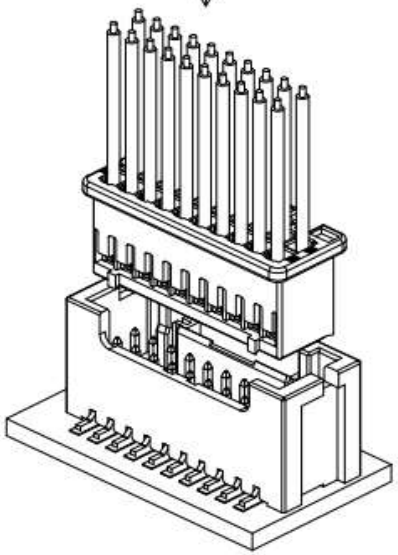
rev02

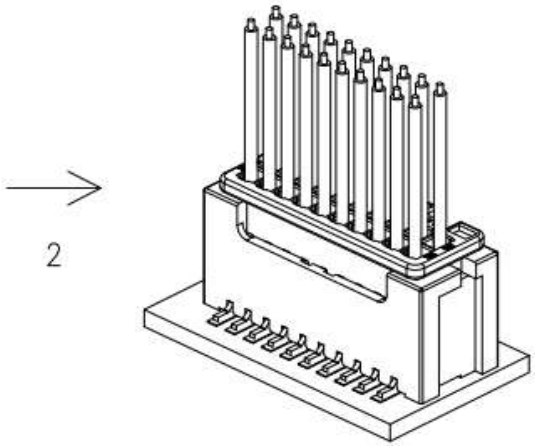
Replace

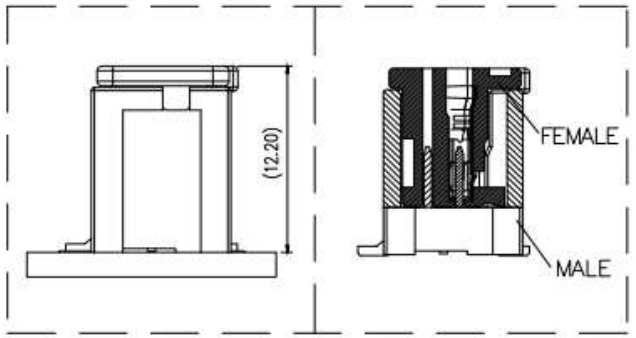
Sheet 6/12

SV5139









RoHS compliant
Unit: mm

Scale	Free
② TOLERANCE	
X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
DIM	TOL
Angle	±3°

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
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Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch SMT type wafer

ASSMANN WSW-No.
A-WBP-K006DG-xxSR01

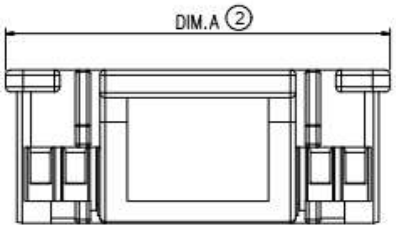
Drawing-No.
ASS 9089 CO

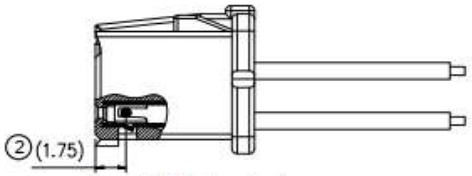
rev02

Replace

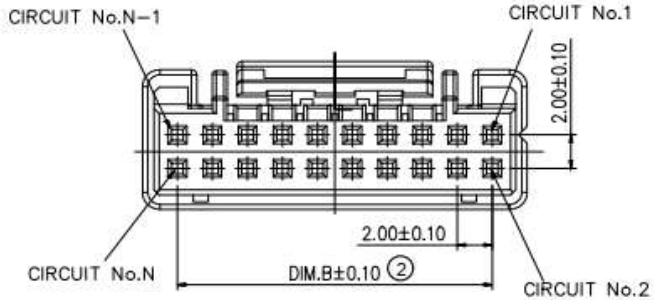
Sheet 7/12

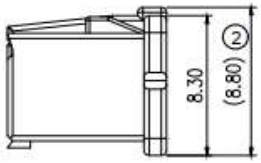
SV5139

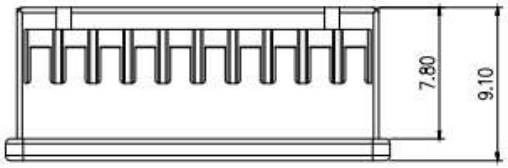


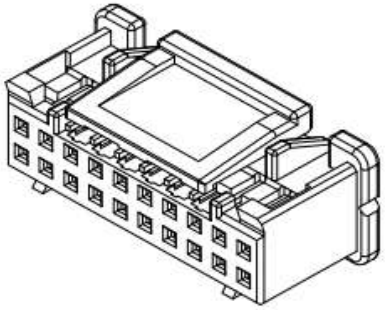


Assemble the terminal









② NOTES:

1.Insulation Material:	PA66, UL94V-0, White;
2.Voltage Rating:	250V AC;
3.Withstand Voltage:	800V AC;
4.Insulation Resistance:	1000MΩ Min(500V DC);
5.Operating Temperature:	-40°C to +105°C.

②

CKTS	DIM.A	DIM.B	CKTS	DIM.A	DIM.B
2*4PIN	10.00	6.00	2*13PIN	28.00	24.00
2*5PIN	12.00	8.00	2*14PIN	30.00	26.00
2*6PIN	14.00	10.00	2*15PIN	32.00	28.00
2*7PIN	16.00	12.00	2*16PIN	34.00	30.00
2*8PIN	18.00	14.00	2*17PIN	36.00	32.00
2*9PIN	20.00	16.00	2*18PIN	38.00	34.00
2*10PIN	22.00	18.00	2*19PIN	40.00	36.00
2*11PIN	24.00	20.00	2*20PIN	42.00	38.00
2*12PIN	26.00	22.00			

RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch Housing

ASSMANN WSW-No.
A-WBH-K006DG-xxCB01

Drawing-No.
ASS 9089 CO

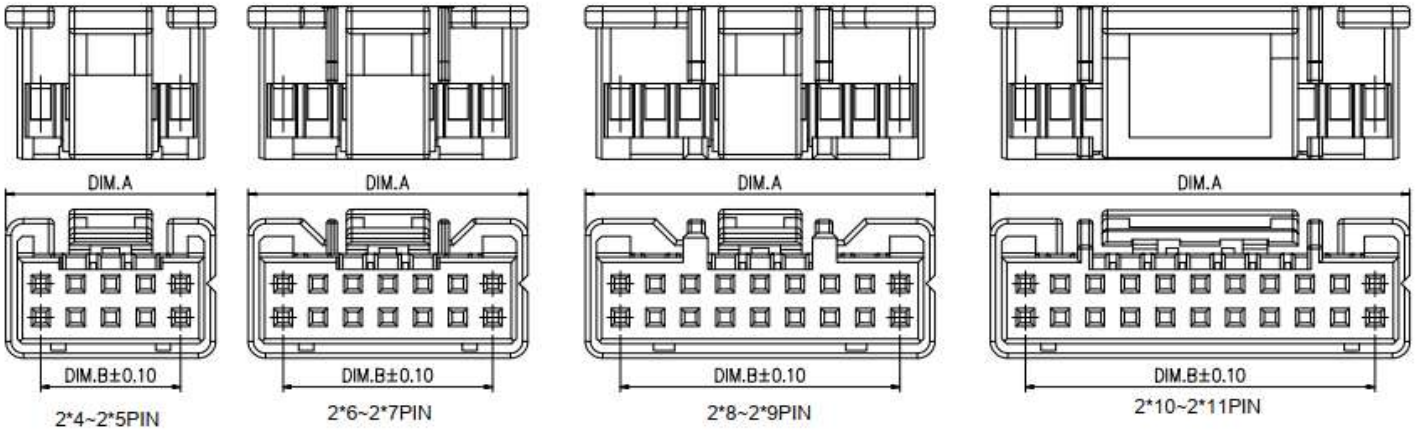
rev02

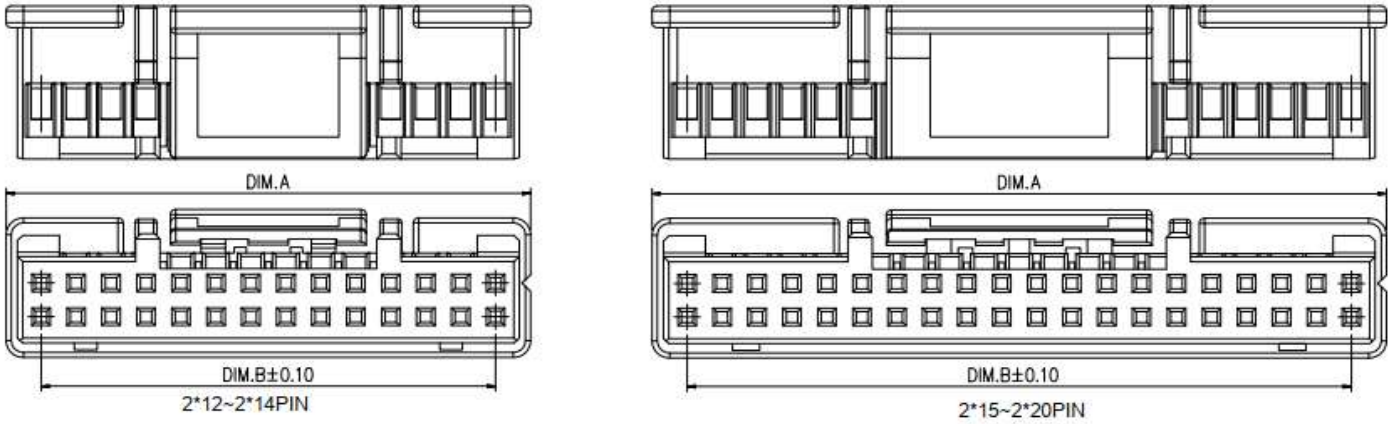
Replace

Sheet 8/12

SV5139

②





RoHS compliant
Unit: mm

Scale	Free
② TOLERANCE	
X.X	±0.30
X.XX	±0.25
X.XXX	±0.15
DIM	TOL
Angle	±3°

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch Housing

ASSMANN WSW-No.
A-WBH-K006DG-xxCB01

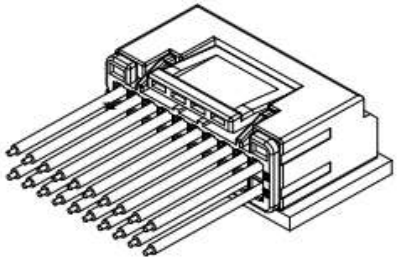
Drawing-No.
ASS 9089 CO

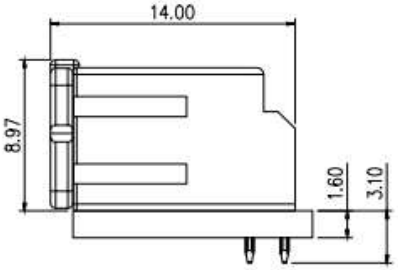
rev02

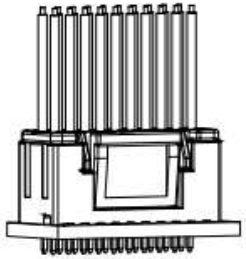
Replace

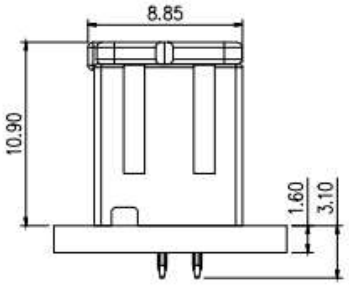
Sheet 9/12

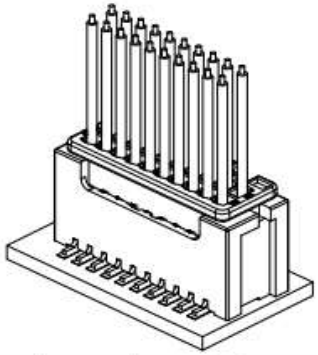
SV5139

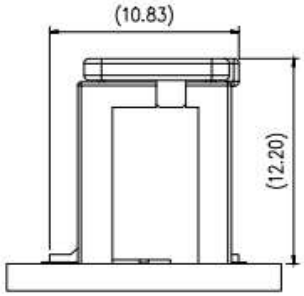
② 











RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch Housing

ASSMANN WSW-No.
A-WBH-K006DG-xxCB01

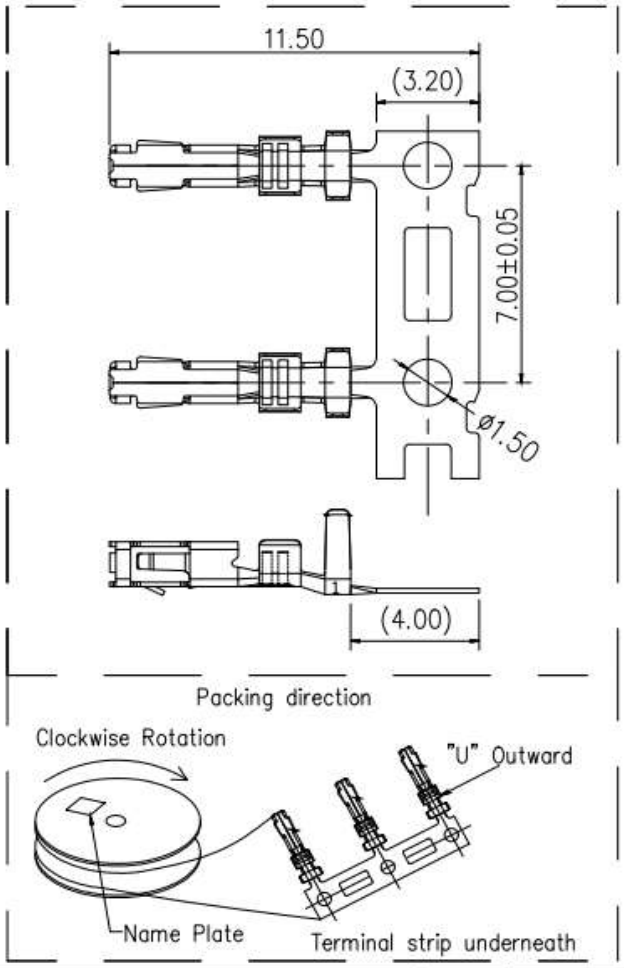
Drawing-No.
ASS 9089 CO

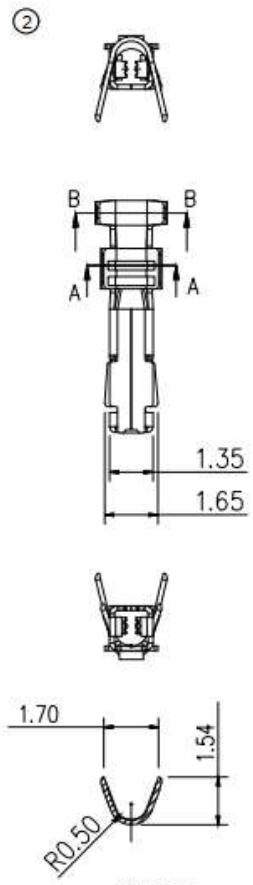
rev02

Replace

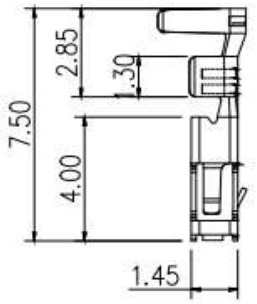
Sheet 10/12

SV5139





SEC A-A



SEC B-B

NOTES:

	1.Contact Material:	Copper Alloy;
②	2.Contact Plating:	80u" Tin on solder area 50u" Nickel under plating overall;
②	3.Current Rating:	3.0A(22#AWG);
	4.Contact Resistance:	20mΩ Max;
②	5.Operating Temperature:	-40°C to +105°C;
	6.Retention force:	1Kgf Min;
	7.Applicable Wire:	Conductor Size AWG26 to AWG22 Insulation OD Ø0.95 to Ø1.5mm.

RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
①	Update the housing P/N	11.03.2022	Segal
⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch Terminal

ASSMANN WSW-No.
A-WBT-K006EG-01CR01

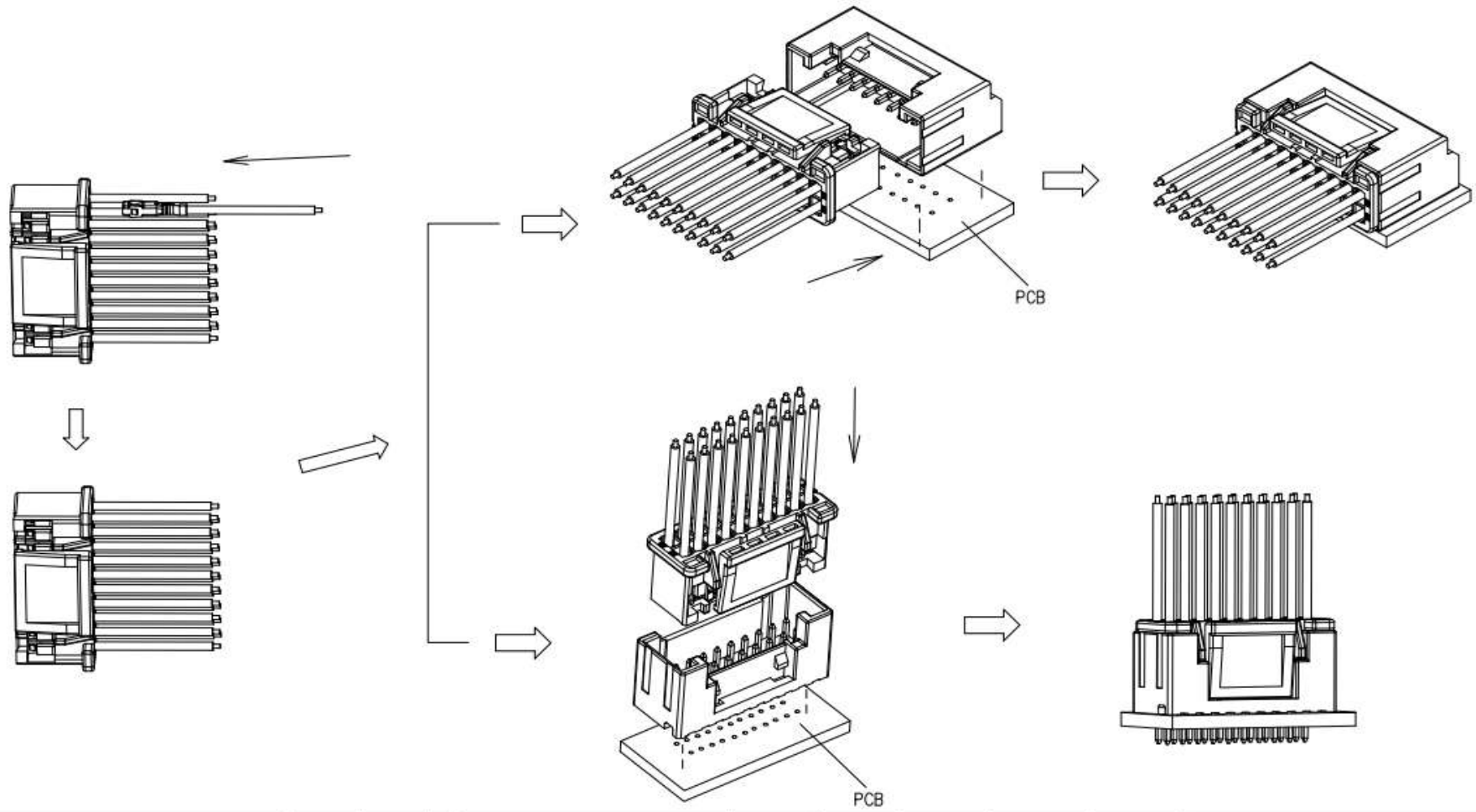
Drawing-No.
ASS 9089 CO

rev02

Replace

Sheet 11/12

SV5139



RoHS compliant
Unit: mm

Scale	Free	
② TOLERANCE		
X.X	±0.30	
X.XX	±0.25	
X.XXX	±0.15	
DIM	TOL	
Angle	±3°	

Id.	Modification	Date	Name
②	Update the dimensions, tolerance, notes and add page 5, 6 and 7	24.09.2026	Segal
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⓪	Drawn	25.11.2021	Segal

	Date	Name
Drawn	25.11.2021	Segal
Approved	24.09.2026	Segal

ASSMANN WSW components
A company of BCS

Description: Wire to board 2.0mm pitch Assembling

ASSMANN WSW-No.
A-WBx-K006Dx-xxxx01

Drawing-No.
ASS 9089 CO

rev02

Replace

Sheet 12/12

SV5139