

1

2

3

4

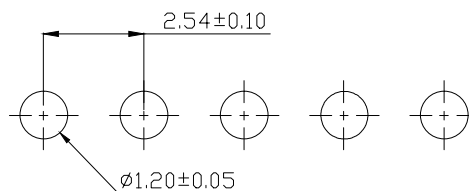
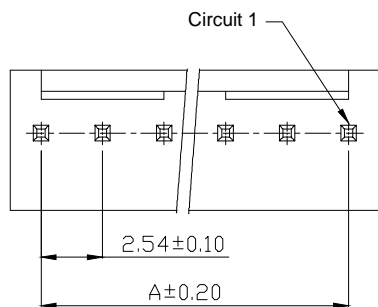
5

6

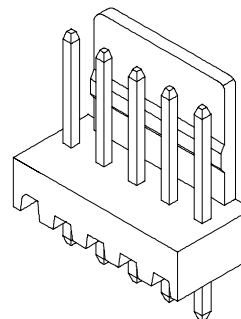
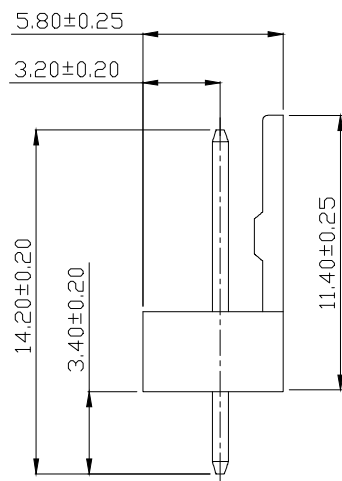
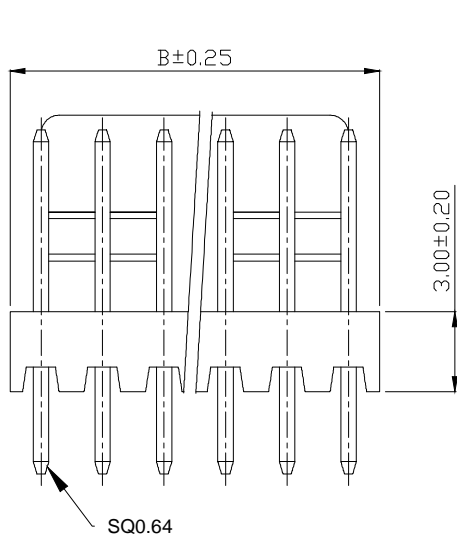
7

A

A



P.C.B LAYOUT



Notes:

Material:

Contact Material: Brass

Contact Plating: Tin plated

Insulator Material:PA66 (UL94V-0) Beige

Electrical:

Voltage rating: 250V AC/DC

Current rating:4.0A AC/DC

Insulation resistance: 1000MΩ Min

Withstanding Voltage: 1000VAC/minute

Mechanical:

Operating Temperature: -40°C to +105°C

Packing: PE bag

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
02	2.54	5.08	09	20.32	22.86	16	38.10	40.64
03	5.08	7.62	10	22.86	25.40			
04	7.62	10.16	11	25.40	27.94			
05	10.16	12.70	12	27.94	30.48			
06	12.70	15.24	13	30.48	33.02			
07	15.24	17.78	14	33.02	35.56			
08	17.78	20.32	15	35.56	38.10			

G

G

RoHS compliant

Unit: mm



① 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

① Add UL E-No. on page 1,2 16.03.2023 Peter

② Drawn 18.06.2021 Winnie

Id. Modification Date Name

Date Name

Drawn 18.06.2021 Winnie

Approved 16.03.2023 Peter



Description: Wire to Board wafer / THT / 180°

ASSMANN WSWW-No. A-WBP-M002EG-xxTB01

Drawing-No. ASS 8963 CO rev01

Customer-No. Sheet 1/6

H

H

1

2

3

4

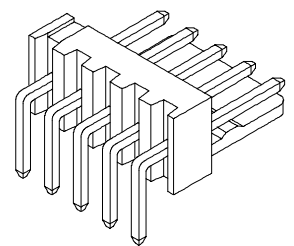
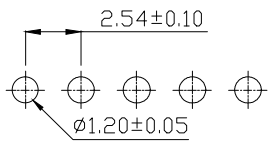
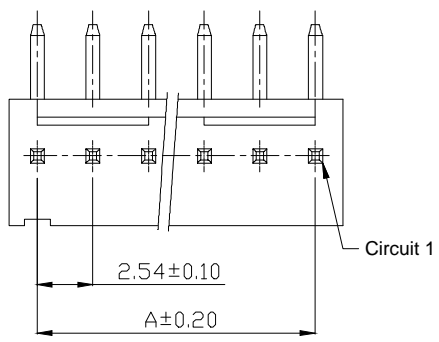
5

6

7

1 2 3 4 5 6 7

A



Notes:

Material:

Contact Material: Brass

Contact Plating: Tin plated

Insulator Material: PA66 ,UL94V-0, Beige

Electrical:

Voltage rating: 250V AC/DC

Current rating: 4.0A AC/DC

Insulation resistance: 1000MΩ Min

Withstanding Voltage: 1000VAC/minute

Mechanical:

Operating Temperature: -40°C to +105°C

Packing: PE bag

A-WBP-M002EA-xx-TB0x

1:TYPE 1 UL No.:E198287 ①

2:TYPE 2

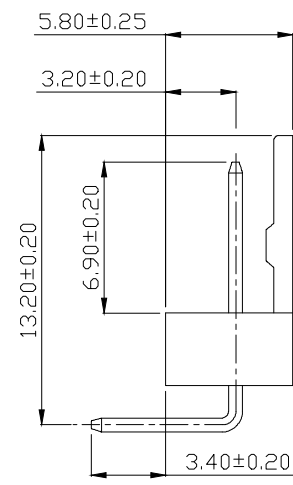
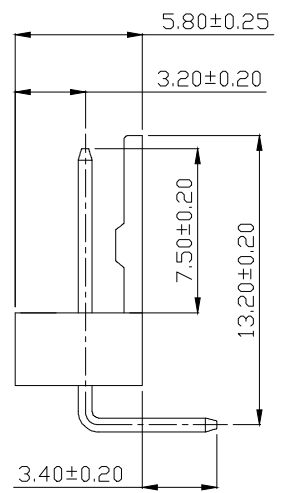
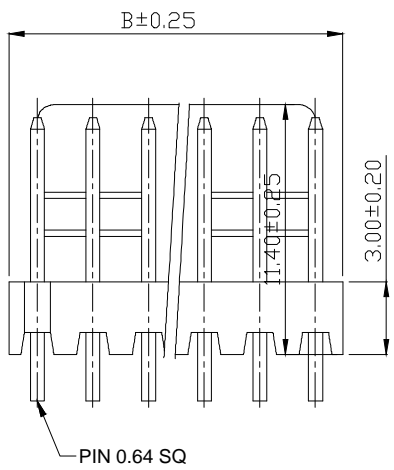
B

C

D

E

F



TYPE 1

TYPE 2

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
02	2.54	5.08	09	20.32	22.86	16	38.10	40.64
03	5.08	7.62	10	22.86	25.40			
04	7.62	10.16	11	25.40	27.94			
05	10.16	12.70	12	27.94	30.48			
06	12.70	15.24	13	30.48	33.02			
07	15.24	17.78	14	33.02	35.56			
08	17.78	20.32	15	35.56	38.10			

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

①	Modification	Date	Name
①	Add UL E-No. on page 1,2	16.03.2023	Peter
②	Drawn	18.06.2021	Winnie
Id.	Modification	Date	Name



Description: Wire to Board wafer / THT / 90°

ASSMANN WSW-No. A-WBP-M002EA-xxTB0x

Drawing-No. ASS 8963 CO rev01

Customer-No. Sheet 2/6

G

H

1 2 3 4 5 6 7

1

2

3

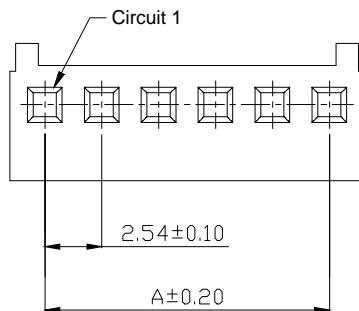
4

5

6

7

A



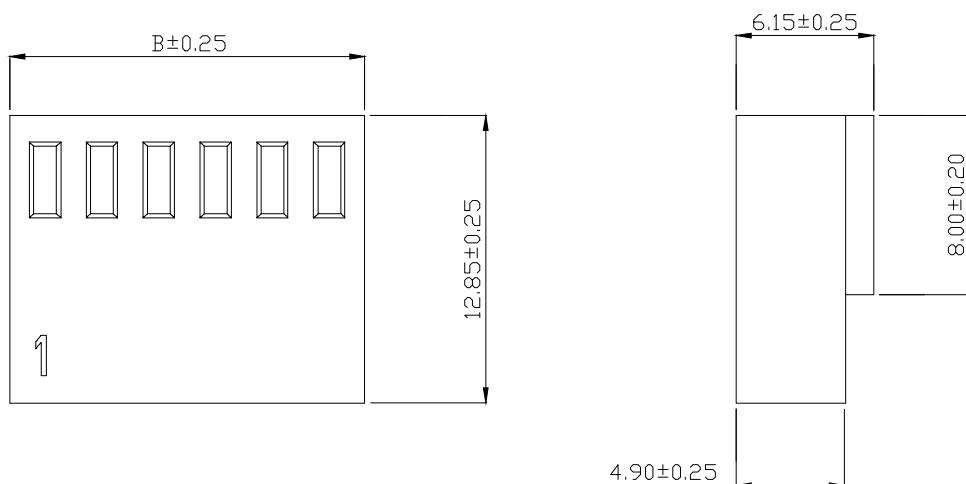
B

C

D

E

F

**Notes:****Material:**

Insulator Material: PA66, UL94V-0, Beige

Electrical:

Voltage rating: 250V AC/DC

Current rating: 4A AC/DC

Insulation resistance: 1000MΩ Min

Withstanding Voltage: 1000VAC/minute

Mechanical:

Operating Temperature: -40°C to +105°C

Packing: PE bag

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
02	2.54	5.68	09	20.32	23.46	16	38.10	41.24
03	5.08	8.22	10	22.86	26.00			
04	7.62	10.76	11	25.40	28.54			
05	10.16	13.00	12	27.94	31.08			
06	12.70	15.84	13	30.48	33.62			
07	15.24	18.38	14	33.02	36.16			
08	17.78	20.92	15	35.56	38.70			

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

①

Add UL E-No. on page 1,2

16.03.2023

Peter

②

Drawn

18.06.2021

Winnie

Id.

Modification

Date

Name

Date

Name

Description: Wire to Board housing / 180°

ASSMANN WSW-No.

A-WBH-M002EG-xxCB01

Drawing-No.

ASS 8963 CO

rev01

Customer-No.

Sheet
3/6

1

2

3

4

5

6

7

G

H

A

B

C

D

E

F

G

H

1

2

3

4

5

6

7

A

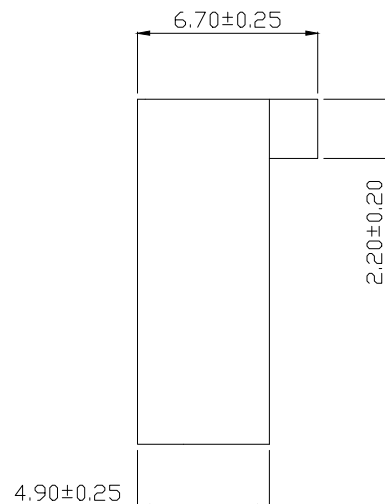
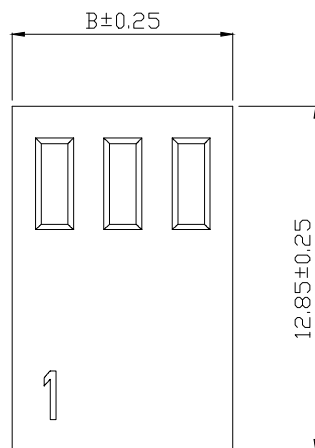
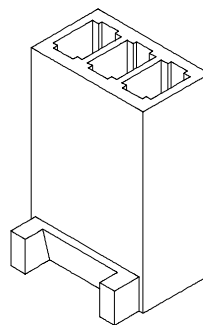
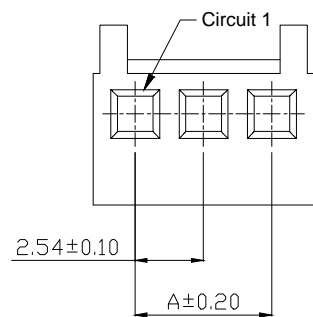
B

C

D

E

F



Notes:

Material:

Insulator Material:PA66,UL94V-0,White

Electrical:

Voltage rating: 250V AC/DC

Current rating:4A AC/DC

Insulation resistance: 1000MΩ Min

Withstanding Voltage: 1000VAC/minute

Mechanical:

Operating Temperature: -40°C to +105°C

Packing: PE bag

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
02	2.54	5.68	09	20.32	23.46	16	38.10	41.24
03	5.08	8.22	10	22.86	26.00			
04	7.62	10.76	11	25.40	28.54			
05	10.16	13.30	12	27.94	31.08			
06	12.70	15.84	13	30.48	33.62			
07	15.24	18.38	14	33.02	36.16			
08	17.78	20.92	15	35.56	38.70			

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
①	Add UL E-No. on page 1,2	16.03.2023	Peter
②	Drawn	18.06.2021	Winnie



Date Name

Drawn 18.06.2021 Winnie

Approved 16.03.2023 Peter

Description: Wire to Board housing / 180°

ASSMANN WSW-No. A-WBH-M002EG-xxCB02

Drawing-No. ASS 8963 CO rev01

Customer-No. Sheet 4/6

1

2

3

4

5

6

7

G

H

A

B

C

D

E

F

G

H

1

2

3

4

5

6

7

A

B

C

D

E

F

A

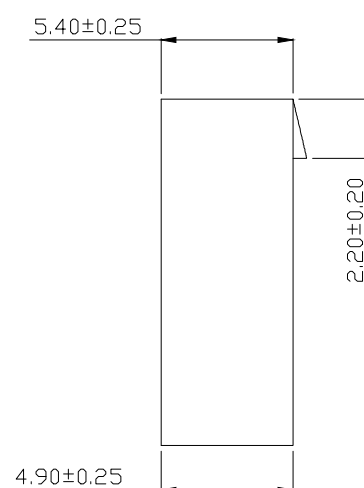
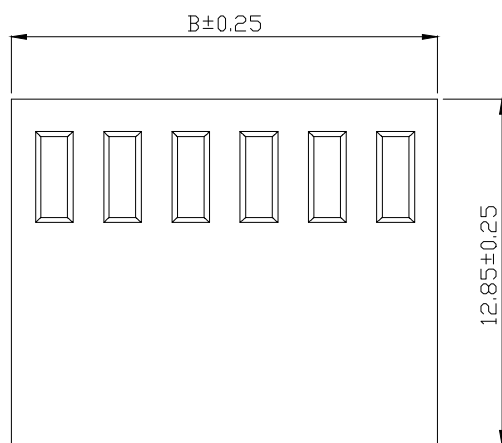
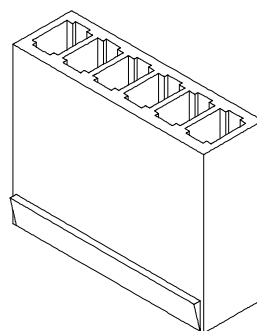
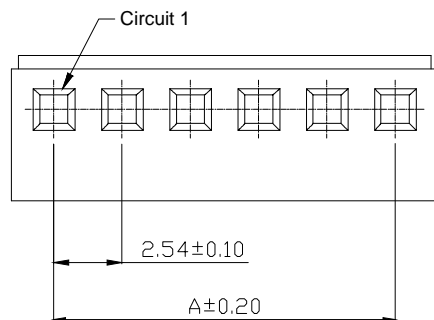
B

C

D

E

F

**Notes:****Material:**

Insulator Material: PA66, UL94V-0, White

Electrical:

Voltage rating: 250V AC/DC

Current rating: 4A AC/DC

Insulation resistance: 1000MΩ Min

Withstanding Voltage: 1000VAC/minute

Mechanical:

Temperature Range: -40°C to +105°C

Packing: PE bag

Poles	Dimensions(mm)		Poles	Dimensions(mm)		Poles	Dimensions(mm)	
	A	B		A	B		A	B
02	2.54	5.68	09	20.32	23.46	16	38.10	41.24
03	5.08	8.22	10	22.86	26.00			
04	7.62	10.76	11	25.40	28.54			
05	10.16	13.30	12	27.94	31.08			
06	12.70	15.84	13	30.48	33.62			
07	15.24	18.38	14	33.02	36.16			
08	17.78	20.92	15	35.56	38.70			

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

Free

①

②

Id.

Add UL E-No. on page 1,2

Drawn

Modification

16.03.2023

18.06.2021

Date

Peter

Winnie

Name

Date

18.06.2021

Approved

16.03.2023

Name

Winnie

Peter

Description: Wire to Board housing / 180°

ASSMANN WSW-No.
A-WBH-M002EG-xxCB03

Drawing-No.

ASS 8963 CO

Customer-No.

rev01

Sheet
5/6

1

2

3

4

5

6

7

G

H

1 2 3 4 5 6 7

A

B

C

D

E

F

Notes:

Material: Contact Material: Phosphor Bronze, plating Tin

Electrical: Voltage rating: 250V AC/DC

Current rating: 4A AC/DC

Resistance resistance: 1000MΩ Min

Contact resistance: 10mΩ Max

Withstanding Voltage: 1000V AC/minute

Mechanical:

Operating Temperature: -40°C to +105°C

Wire Range: AWG#22~AWG#28

Insulator O.D: 1.90mm (Max)

Packing: 10kpcs/Reel

Technical drawing of a wire-to-board terminal. The drawing includes a top view on the left showing two terminals with dimensions 1.25±0.20 and 1.92±0.20. A side view in the center shows a terminal with dimensions 0.20, 1.50±0.20, 2.00±0.20, 9.40±0.25, 3.30±0.20, 2.90±0.20, 3.60±0.25, and 0.80±0.05. Two cross-sectional views, SEC:A-A and SEC:B-B, are shown on the right with dimensions 2.15±0.25, 2.00±0.25, 1.90±0.25, and 1.60±0.25. Section lines A-A and B-B are indicated on the top view.

RoHS compliant
Unit: mm

Scale	Free						Date	Name	Description: Wire to Board terminal / female / crimp
TOLERANCE						Drawn	18.06.2021	Winnie	
X.	±0.35					Approved	16.03.2023	Peter	ASSMANN WSW-No. A-WBT-M002EG-xxCR01
X.X	±0.25								
X.XX	±0.20								Drawing-No. ASS 8963 CO rev01
X.XXX	±0.15	①	Add UL E-No. on page 1,2	16.03.2023	Peter	ASSMANN WSW components			
DIM	TOL	②	Drawn	18.06.2021	Winnie				
Angle	TOL	Id.	Modification	Date	Name				

Customer-No.		Sheet 6/6
--------------	--	-----------

1 2 3 4 5 6 7

G

H