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NOTES:

MATERIAL

- 1. Insulator: LCP, UL94V-0
- 2. Terminal: Phosphor Bronze, Gold 10u" Over Nickel

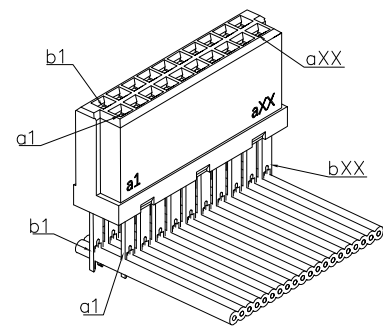
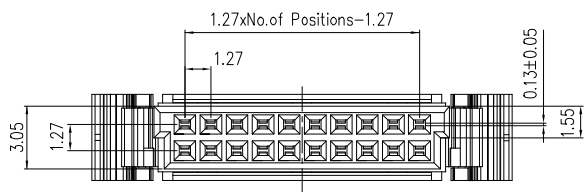
ELECTRICAL

- 1. Current Rating : 0.8 AMP
- 2. Contact Resistance: 25mΩ max at 1A DC
- 3. Insulation Resistance: 1000MΩ min.
- 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5. Operation Temperature: -55°C~+125°C

PACKAGING: Tray

Mating with:

- A-WBP-C001DA-xxSR01
- A-WBP-C001DG-xxSR01
- A-WBP-C001DG-xxSR02
- A-WBP-C001DG-xxSR03

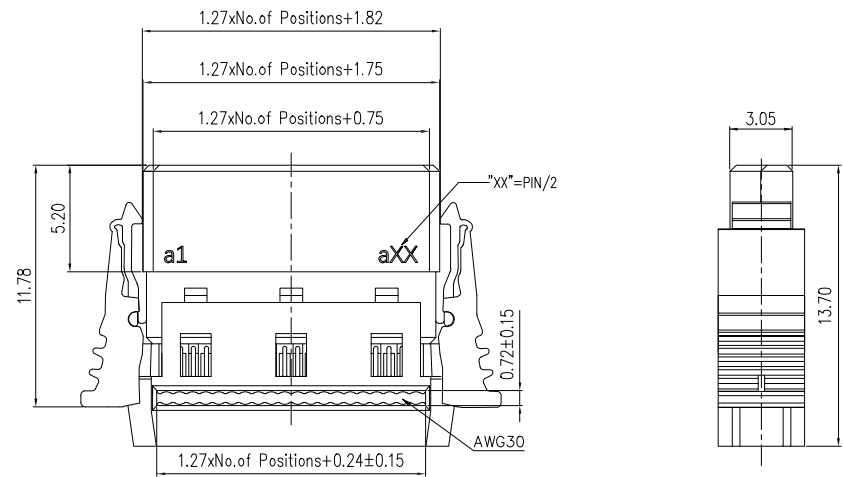


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A-WBL-C001DG-xxIP01

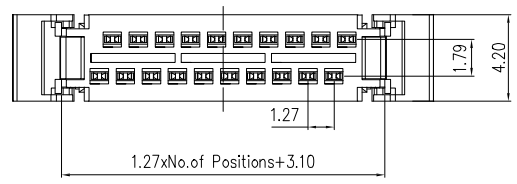
- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

E

E

F

F



G

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X.	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

					Date	Name	Description: Wire-to-board Female / IDC / straight	
				Drawn	01.02.2022	S.Bölling		
				Approved	01.02.2022	S.Bölling	ASSMANN WSW-NO.	
							<b>A-WBL-C001DG-xxIP01</b>	
							Drawing-No.	
							<b>ASS 9215 CO</b>	rev00
							Customer-No.	SHEET
								1 / 10



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NOTES:

MATERIAL

- 1. Insulator Material: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

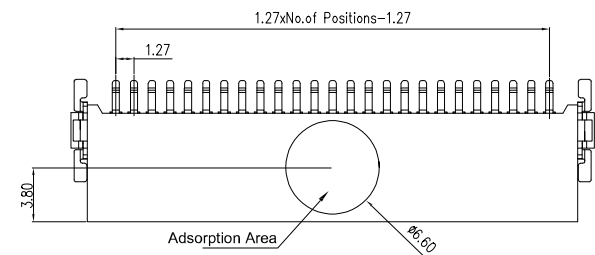
ELECTRICAL

- 1. Current Rating : 0.5~1.0 AMP
- 2. Contact Resistance: 25mΩ max at 1A DC
- 3. Insulation Resistance: 10000MΩ min.
- 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5. Operation Temperature: -55°C~+125°C

PACKAGING: Tape & Reel

Mating with:

- A-WBR-C001DA-xxSR01
- A-WBR-C001DG-xxSR01
- A-WBR-C001DG-xxSR02
- A-WBR-C001DG-xxSR03
- A-WBL-C001DG-xxIP01



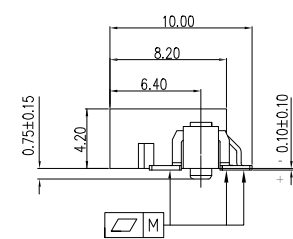
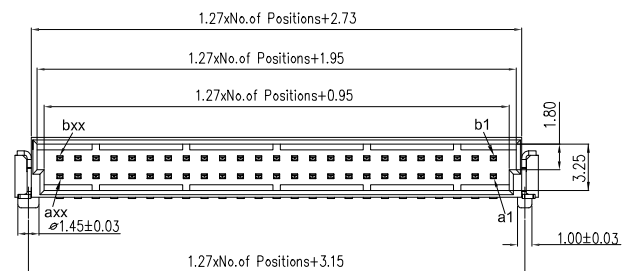
PIN	M
10~40PIN	0.12
42~100PIN	0.15

B

B

C

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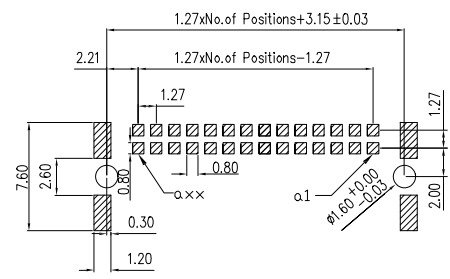
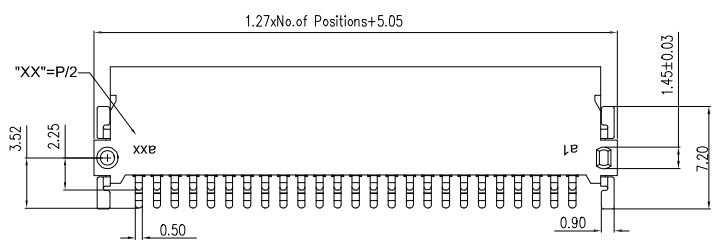


D

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E

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A-WBP-C001DA-xxSR01

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

F

F

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

G

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

Id.	modification	Date	Name
①	Drawn	01.02.2022	S.Bölling

Drawn 01.02.2022 S.Bölling

Approved 01.02.2022 S.Bölling

Description: Wire-to-board Male / SMT / angled	
ASSMANN WSW-NO. <b>A-WBP-C001DA-xxSR01</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 2 / 10

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NOTES:

MATERIAL

- 1. Insulator + CAP: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

ELECTRICAL

- 1. Current Rating : 0.5~1.0 AMP
- 2. Contact Resistance: 25mΩ max at 1A DC
- 3. Insulation Resistance: 10000MΩ min.
- 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5. Operation Temperature: -55°C~+125°C

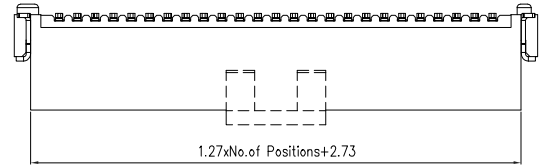
PACKAGING: Tape & Reel + CAP

Mating with:

- A-WBR-C001DA-xxSR01
- A-WBR-C001DG-xxSR01
- A-WBR-C001DG-xxSR02
- A-WBR-C001DG-xxSR03
- A-WBL-C001DG-xxIP01

A

B

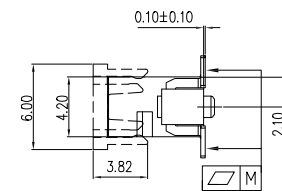
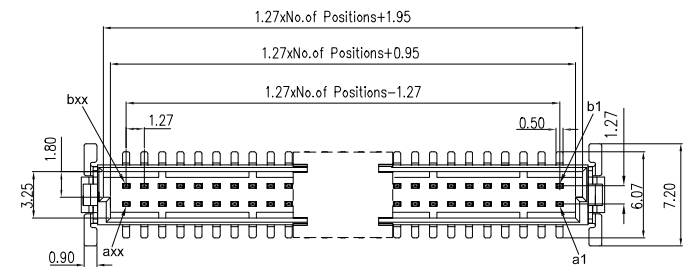


HOUSING PIN	DIM A
10~24	7.00
26~100	16.00

PIN	M
10~40PIN	0.12
42~100PIN	0.15

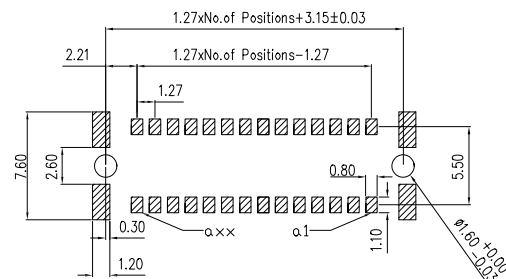
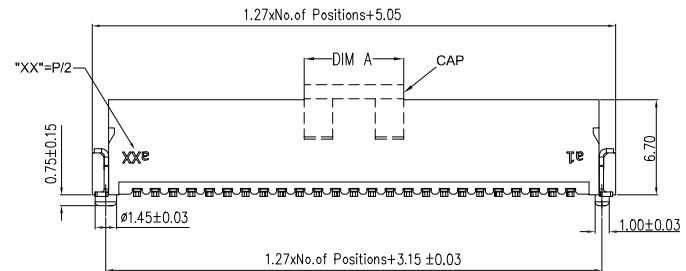
B

C



C

D



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

A-WBP-C001DG-xxSR01

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

D

E

E

F

F

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM TOL	
.X°	±1.0°
X°	±3°
Angle	TOL

Id.	modification	Date	Name
①	Drawn	01.02.2022	S.Bölling

Drawn 01.02.2022 S.Bölling

Approved 01.02.2022 S.Bölling

Description: Wire-to-board Male / SMT / straight	
ASSMANN WSW-NO. <b>A-WBP-C001DG-xxSR01</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 3 / 10

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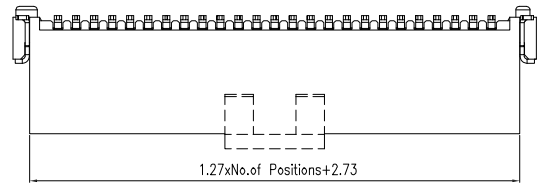
4

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A



HOUSING PIN	DIM A
10-24	7.00
26-100	16.00

PIN	M
10~40PIN	0.12
42~100PIN	0.15

NOTES:

MATERIAL

- 1. Insulator + CAP: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

ELECTRICAL

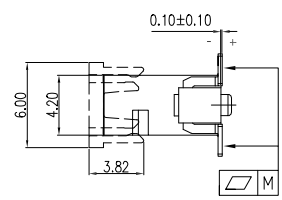
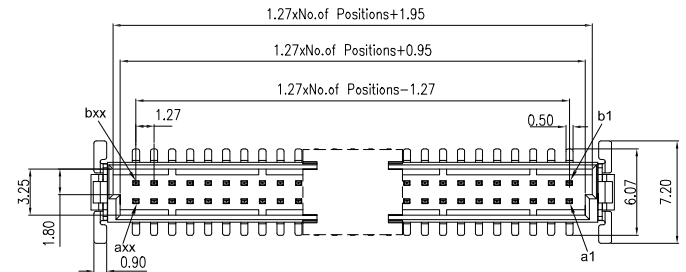
- 1. Current Rating : 0.5~1.0 AMP
  - 2. Contact Resistance: 25mΩ max at 1A DC
  - 3. Insulation Resistance: 10000MΩ min.
  - 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
  - 5. Operation Temperature: -55°C~+125°C
- PACKAGING: Tape & Reel + CAP

Mating with:

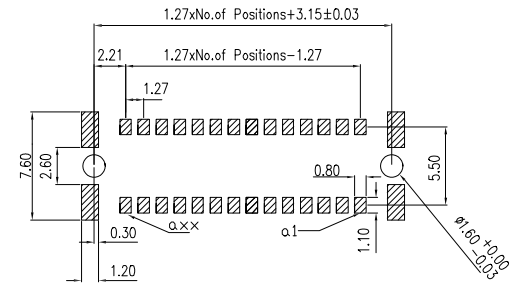
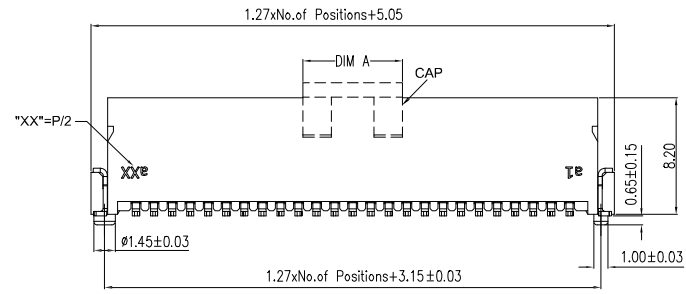
- A-WBR-C001DA-xxSR01
- A-WBR-C001DG-xxSR01
- A-WBR-C001DG-xxSR02
- A-WBR-C001DG-xxSR03
- A-WBL-C001DG-xxIP01

B

C



D



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

A-WBP-C001DG-xxSR02

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

E

F

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

Id.	modification	Date	Name
①	Drawn	01.02.2022	S.Bölling

ASSMANN  
WSW components

Description: Wire-to-board Male / SMT / straight	
ASSMANN WSW-NO. <b>A-WBP-C001DG-xxSR02</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 4 / 10

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NOTES:

MATERIAL

- 1. Insulator + CAP: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

ELECTRICAL

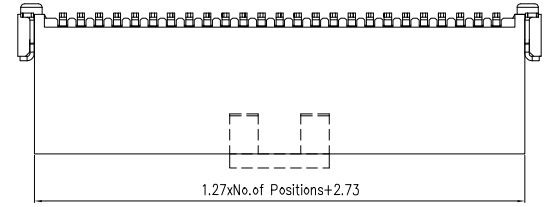
- 1. Current Rating : 0.5~1.0 AMP
  - 2. Contact Resistance: 25mΩ max at 1A DC
  - 3. Insulation Resistance: 10000MΩ min.
  - 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
  - 5. Operation Temperature: -55°C~+125°C
- PACKAGING: Tape & Reel + CAP

Mating with:

- A-WBR-C001DA-xxSR01
- A-WBR-C001DG-xxSR01
- A-WBR-C001DG-xxSR02
- A-WBR-C001DG-xxSR03
- A-WBL-C001DG-xxIP01

A

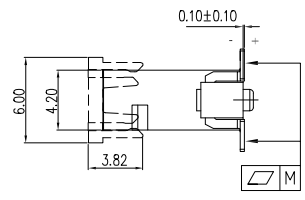
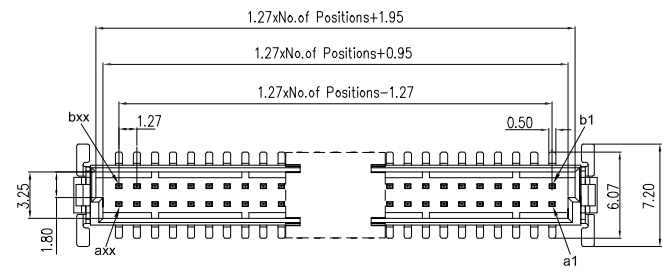
B



HOUSING PIN	DIM A	PIN	M
10~24	7.00	10~40PIN	0.12
26~100	16.00	42~100PIN	0.15

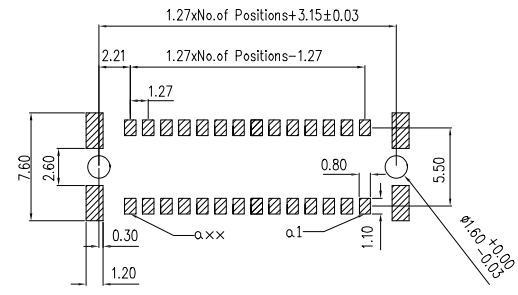
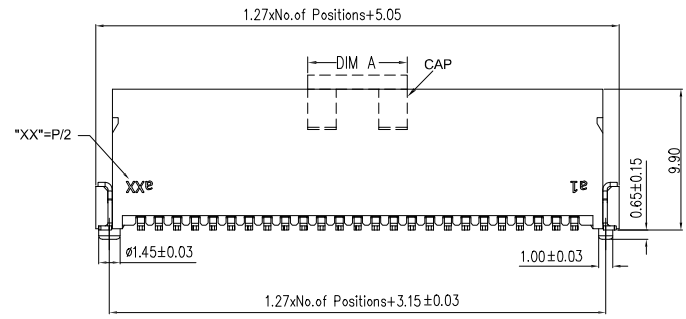
B

C



C

D



A-WBP-C001DG-xxSR03

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

D

E

E

F

F

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X.	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

Id.	modification	Date	Name
①	Drawn	01.02.2022	S.Bölling

ASSMANN  
WSW components

Description: Wire-to-board Male / SMT / straight	
ASSMANN WSW-NO. <b>A-WBP-C001DG-xxSR03</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 5 / 10

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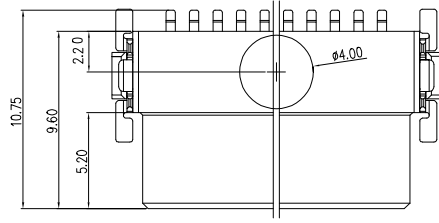
5

6

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A

A



PIN	M
10~40PIN	0.12
42~100PIN	0.15

NOTES:

MATERIAL

- 1. Insulator: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, 10u" Au Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

ELECTRICAL

- 1. Current Rating : 0.5~1.0 AMP
- 2. Contact Resistance: 25mΩ max at 1A DC
- 3. Insulation Resistance: 10000MΩ min.
- 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5. Operation Temperature: -55°C~+125°C

PACKAGING: Tape & Reel + CAP

Mating with:

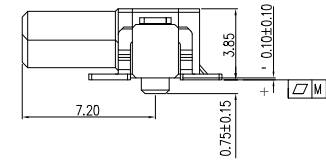
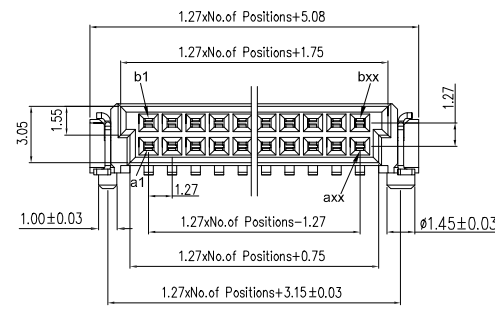
- A-WBP-C001DA-xxSR01
- A-WBP-C001DG-xxSR01
- A-WBP-C001DG-xxSR02
- A-WBP-C001DG-xxSR03

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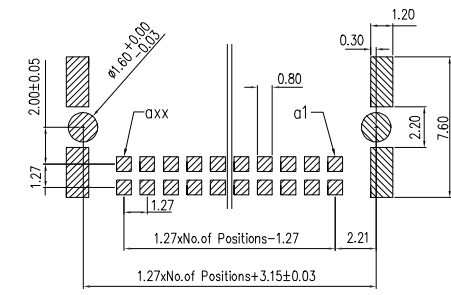
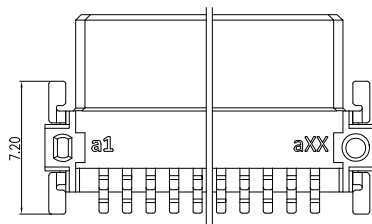


D

D

E

E



A-WBR-C001DA-xxSR01

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

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

F

F

G

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

						Date	Name	Description: Wire-to-board Female / SMT / angled		
						Drawn	01.02.2022		S.Bölling	
						Approved	01.02.2022	S.Bölling	ASSMANN WSW-NO.	
									<b>A-WBR-C001DA-xxSR01</b>	
									Drawing-No.	
									<b>ASS 9215 CO</b>	rev00
									Customer-No.	SHEET
										6 / 10



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NOTES:

MATERIAL

- 1. Insulator + CAP: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

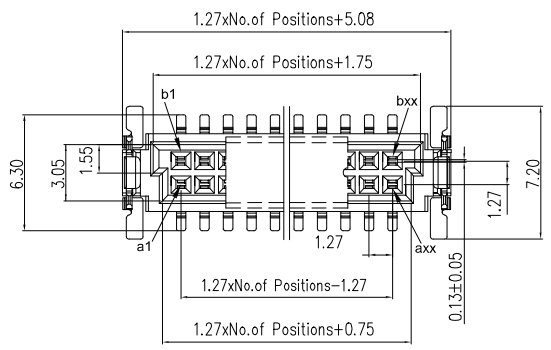
ELECTRICAL

- 1. Current Rating : 0.5~1.0 AMP
- 2. Contact Resistance: 25mΩ max at 1A DC
- 3. Insulation Resistance: 10000MΩ min.
- 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5. Operation Temperature: -55°C~+125°C

PACKAGING: Tape & Reel + CAP

Mating with:

- A-WBP-C001DA-xxSR01
- A-WBP-C001DG-xxSR01
- A-WBP-C001DG-xxSR02
- A-WBP-C001DG-xxSR03



PIN	M
10~40PIN	0.10
42~100PIN	0.15

B

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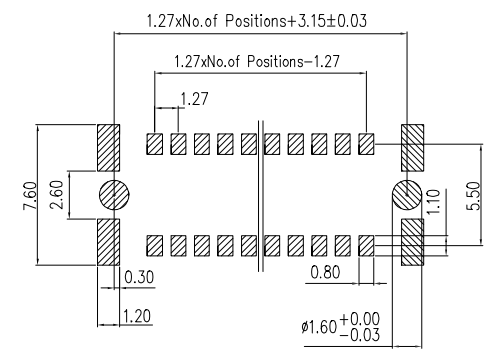
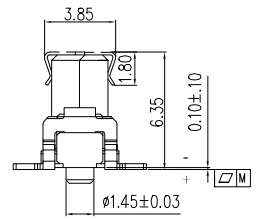
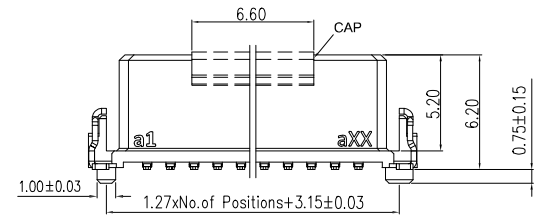
C

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E



A-WBR-C001DG-xxSR01

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

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

F

F

G

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

Id.	modification	Date	Name
①	Drawn	01.02.2022	S.Bölling



Description: Wire-to-board Female / SMT / straight	
ASSMANN WSW-NO. <b>A-WBR-C001DG-xxSR01</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 7 / 10

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NOTES:

MATERIAL

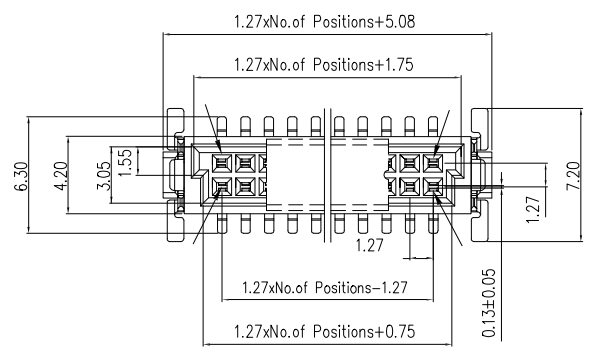
- 1. Insulator: LCP, UL94V-0
- 2. Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

ELECTRICAL

- 1. Current Rating : 0.5~1.0 AMP
  - 2. Contact Resistance: 25mΩ max at 1A DC
  - 3. Insulation Resistance: 10000MΩ min.
  - 4. Withstand Voltage: 500V AC/rms 60Hz for 1 minute
  - 5. Operation Temperature: -55°C~+125°C
- PACKAGING: Tape & Reel + CAP

Mating with:

- A-WBP-C001DA-xxSR01
- A-WBP-C001DG-xxSR01
- A-WBP-C001DG-xxSR02
- A-WBP-C001DG-xxSR03



PIN	M
10~40PIN	0.12
42~100PIN	0.15

B

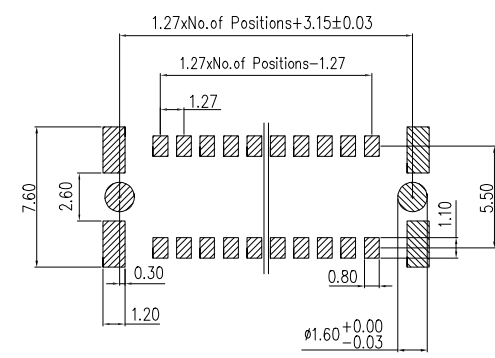
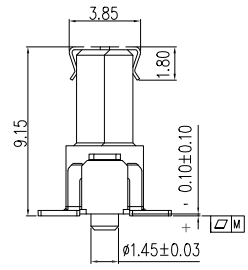
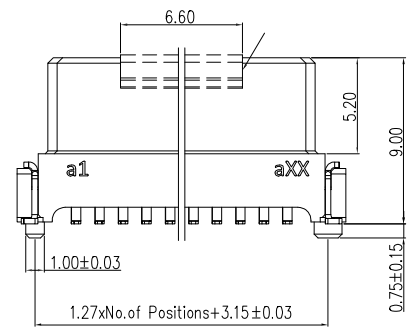
B

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D

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A-WBR-C001DG-xxSR02

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

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

F

F

G

G

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

①	Drawn	01.02.2022	S.Bölling
Id.	modification	Date	Name

Date: 01.02.2022  
Name: S.Bölling  
Drawn: 01.02.2022  
Approved: 01.02.2022  
S.Bölling

Description: Wire-to-board Female / SMT / straight	
ASSMANN WSW-NO. <b>A-WBR-C001DG-xxSR02</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 8 / 10

H

H

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NOTES:

MATERIAL

- 1.Insulator: LCP, UL94V-0
- 2.Terminal: Contact Area: Phosphor Bronze, Gold 10u" Over Nickel  
Tail: Phosphor Bronze, Tin Over Nickel

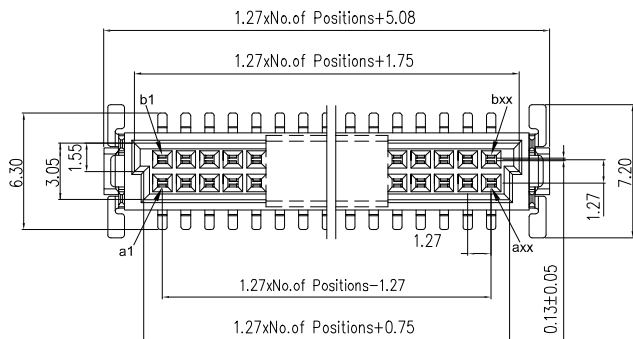
ELECTRICAL

- 1.Current Rating : 0.5~1.0 AMP
- 2.Contact Resistance: 25mΩ max at 1A DC
- 3.Insulation Resistance: 10000MΩ min.
- 4.Withstand Voltage: 500V AC/rms 60Hz for 1 minute
- 5.Operation Temperature: -55°C~+125°C

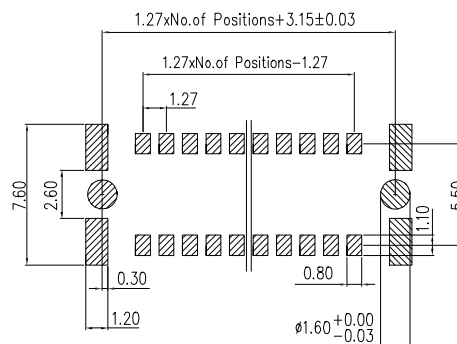
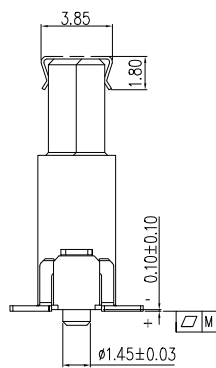
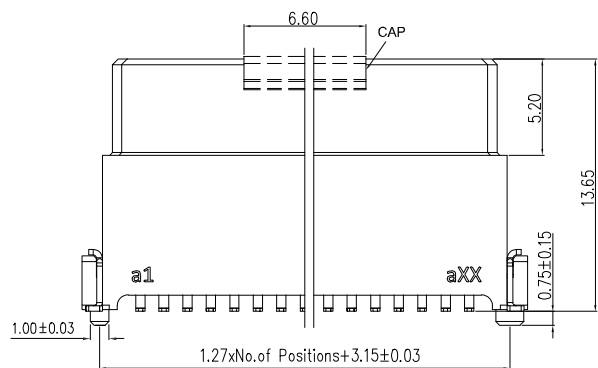
PACKAGING: Tape & Reel + CAP

Mating with:

- A-WBP-C001DA-xxSR01
- A-WBP-C001DG-xxSR01
- A-WBP-C001DG-xxSR02
- A-WBP-C001DG-xxSR03



PIN	M
10~40PIN	0.12
42~100PIN	0.15



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

A-WBR-C001DG-xxSR03

- No. of Pins
- 10: 10Pin
- 20: 20Pin
- 90: 90Pin
- A0: 100Pin

RoHS compliant  
unit:mm

Scale	Free
TOLERANCE	
.X	±0.38
.X	±0.25
.XX	±0.13
DIM	TOL
.X°	±1.0°
X°	±3°
Angle	TOL

①	Drawn	Date	Name
	Drawn	01.02.2022	S.Bölling
	modification	Date	Name

Date: 01.02.2022  
 Name: S.Bölling  
 Drawn: 01.02.2022  
 Approved: 01.02.2022  
**ASSMANN**  
 WSW components

Description: Wire-to-board Female / SMT / straight	
ASSMANN WSW-NO. <b>A-WBR-C001DG-xxSR03</b>	
Drawing-No. <b>ASS 9215 CO</b>	rev00
Customer-No.	SHEET 9 / 10

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4

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6

7

A						A
B						B
C						C
D						D
E						E
F						F

G	RoHS compliant unit:mm	Scale	Free	Date	Name	Description: Wire-to-board Overview Mating part	G						
		TOLERANCE						Drawn	01.02.2022	S.Bölling			
H		X.	±0.38	01.02.2022	S.Bölling	ASSMANN WSW-NO.	H						
		.X	±0.25					Approved	01.02.2022	S.Bölling			
		.XX	±0.13										
		DIM	TOL										
		.X°	±1.0°					① Drawn	01.02.2022	S.Bölling		Drawing-No. ASS 9215 CO	rev00
		X°	±3°									Customer-No.	SHEET 10 / 10
		Angle	TOL	Id.	modification	Date	Name						