

1

2

3

4

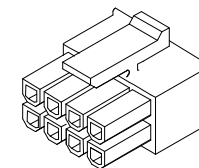
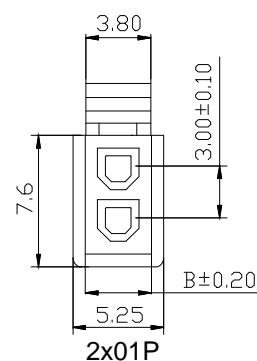
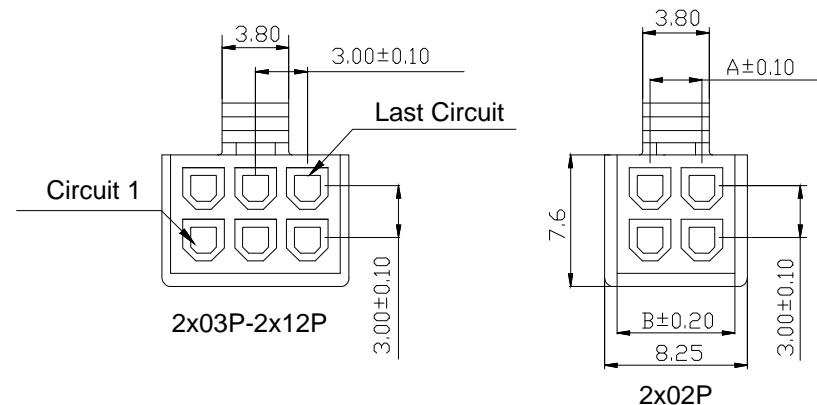
5

6

7

A

A



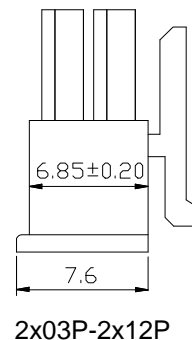
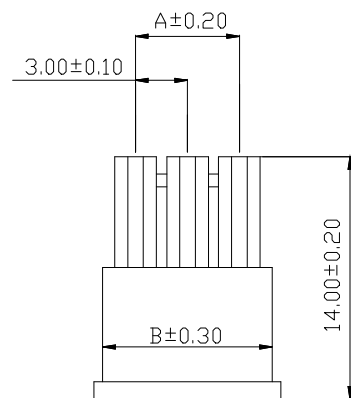
## Notes:

Insulator Material: Nylon 66 UL94V-2 Black  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: Bag.

B

C

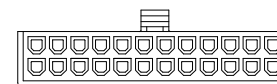
C



2x01P



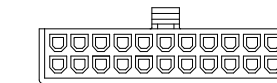
②



2x12P

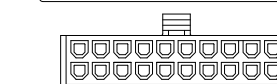
No. of Contact	DIM A	DIM B
2	NA	3.85
4	3.00	6.85
6	6.00	9.85
8	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85

2x02P



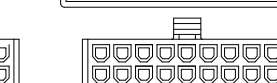
2x11P

2x03P



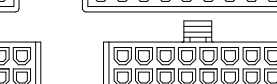
2x10P

2x04P



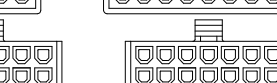
2x09P

2x05P



2x08P

2x06P



2x07P

## CIRCUIT SIZE LAYOUT

D

E

D

E

F

F

RoHS compliant

Unit:mm

Scale Free

TOLERANCE

X.X ±0.35

X.XX ±0.25

X.XXX ±0.15

DIM TOL

Angle TOL

⑧

Add P/N :A-WBP-O001DA-xxSR02

07.26.2023

Winnie

Date

Name

Description: Wire-to-board con.  
Housing  
Pitch 3.0mm / Straight

⑦

Add tape reel packing in page 8

06.14.2023

Winnie

Drawn

29.10.2021

Daniel

⑥

Add LCP soldering profile

06.06.2023

Winnie

Approved

07.26.2023

Winnie

ASSMANN WSW-No.

A-WBH-O001DG-xxCB01

⑤

Add page 8

04.18.2023

Winnie

④

Add UL E-No. on page 4,5,6,7

03.14.2023

Peter

Drawing-No.

ASS 9062 CO

rev08

③

Added the page 3

02.21.2023

Peter

Customer-No.

SHEET  
1 / 10

G

H

1

2

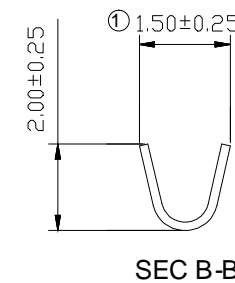
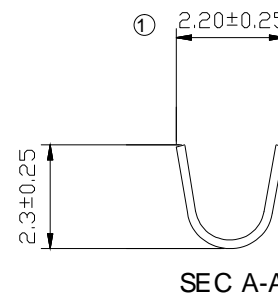
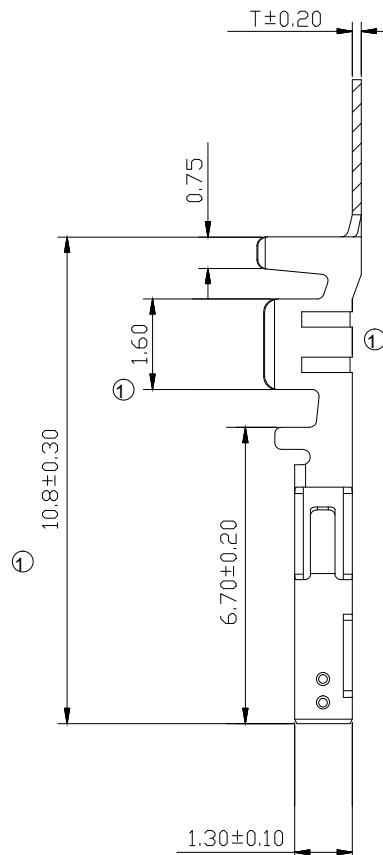
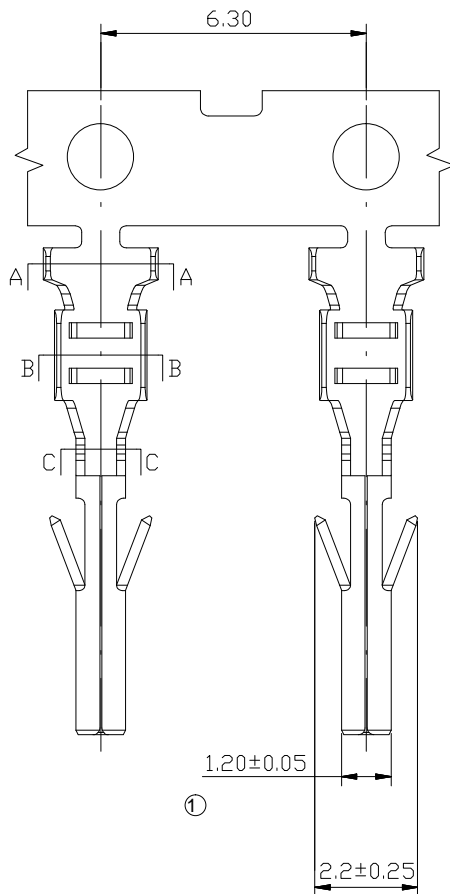
3

4

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Notes:  
 Insulator Material: Phosphor Bronze;  
 Finish: Tin Plated;  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: Reel;  
 Applicable wire: AWG#24-#28.

**RoHS compliant**

Unit:mm

Scale	Free	⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name	Description: Wire-to-board con. Terminal Female	
<b>TOLERANCE</b>		⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel	ASSMANN WSW-No. <b>A-WBT-O001EG-01CR01</b>	
X.	±0.35	⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie		
X.X	±0.25	⑤	Add page 8	04.18.2023	Winnie				Drawing-No. <b>ASS 9062 CO</b> rev08	
X.XX	±0.20	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter					
X.XXX	±0.15	③	Added the page 3	02.21.2023	Peter			Customer-No.		SHEET 2 / 10
DIM	TOL	Id.	Modification	Date	Name					
Angle	TOL									



1

2

3

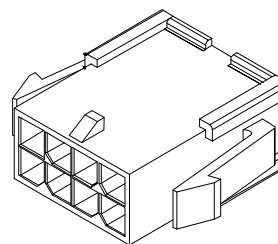
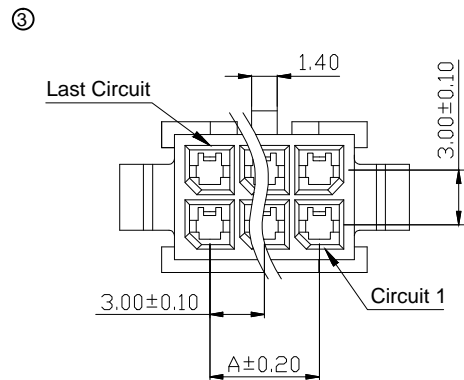
4

5

6

7

A



Notes:  
 Insulator Material: Nylon 66 UL94V-2 Black  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: Bag.

A

B

B

C

C

D

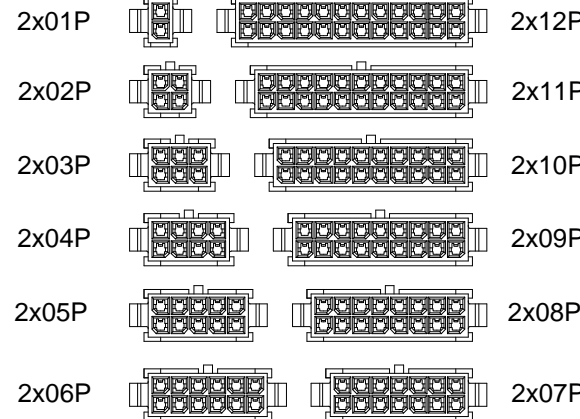
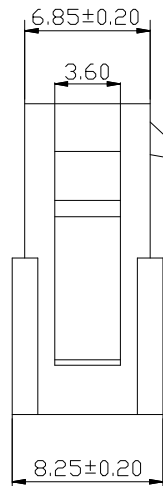
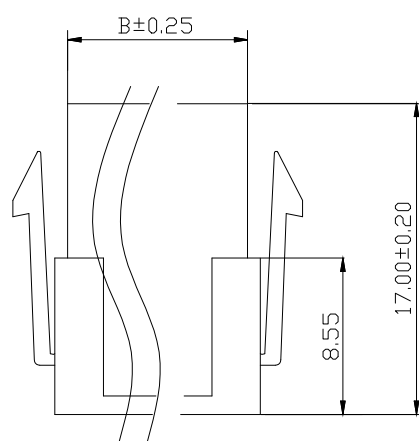
D

E

E

F

F



No. of Contact	DIM A	DIM B
2	NA	3.85
4	3.00	6.85
6	6.00	9.85
8	9.00	12.85
10	12.00	15.85
12	15.00	18.85
14	18.00	21.85
16	21.00	24.85
18	24.00	27.85
20	27.00	30.85
22	30.00	33.85
24	33.00	36.85

CIRCUIT SIZE LAYOUT

G

G

RoHS compliant

Unit:mm

Scale	Free	⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name
TOLERANCE		⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel
X.	±0.35	⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie
X.X	±0.25	⑤	Add page 8	04.18.2023	Winnie			
X.XX	±0.20	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter			
X.XXX	±0.15	③	Added the page 3	02.21.2023	Peter			
DIM	TOL	Id.	Modification	Date	Name			
Angle	TOL							

Description: Wire-to-board con. Housing Pitch 3.0mm / Straight

ASSMANN WSW-No. A-WBH-O001DG-xxCB02

Drawing-No. ASS 9062 CO rev08

Customer-No. SHEET 3 / 10

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H

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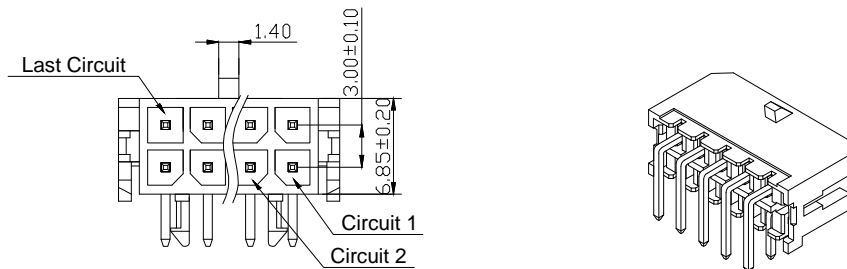
4

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A



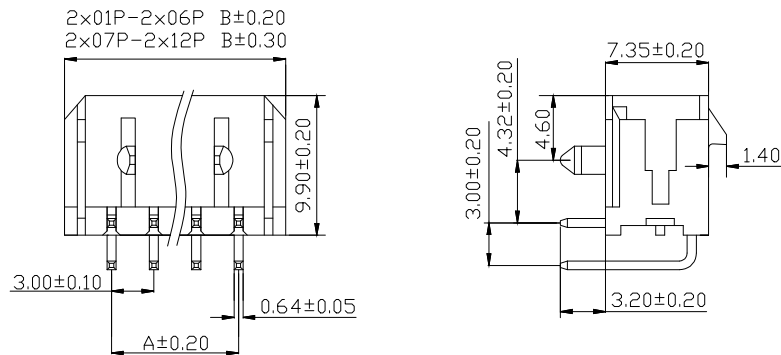
Notes:

Insulator Material:  
 Contact Material:  
 Voltage Rating:  
 Current Rating:  
 Withstanding Voltage:  
 Insulation Resistance:  
 Contact Resistance:  
 Operation Temperature:  
 Packing:

Nylon66+15%GF, UL94V-0, Black  
 Brass, Tin plated  
 250V AC,DC;  
 5A AC,DC;  
 1500V AC/minute;  
 1000MΩ Min;  
 20mΩ Max;  
 -25°C to +85°C;  
 PE bag.

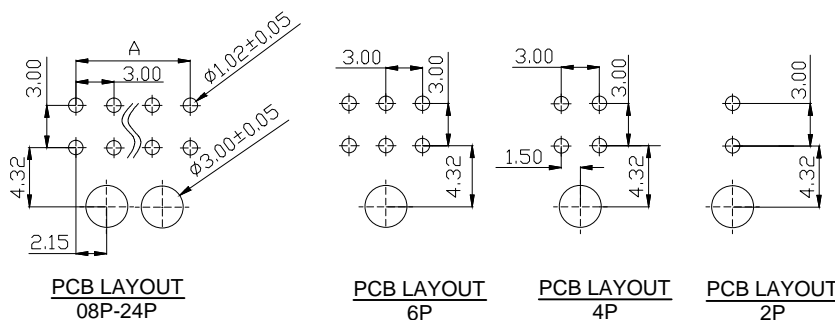
B

C

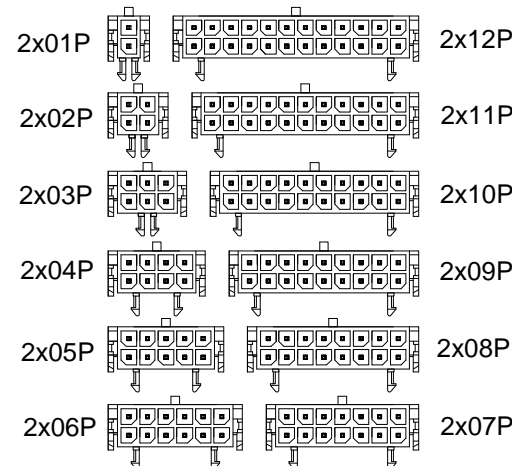


D

E



F



No. of Contact	DIM A	DIM B
2	NA	6.65
4	3.00	9.65
6	6.00	12.65
8	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

CIRCUIT SIZE LAYOUT

G

RoHS compliant

Unit:mm



④ 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
⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie
⑦	Add tape reel packing in page 8	06.14.2023	Winnie
⑥	Add LCP soldering profile	06.06.2023	Winnie
⑤	Add page 8	04.18.2023	Winnie
④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter
③	Added the page 3	02.21.2023	Peter



Description: Wire-to-board con.  
 Male  
 Pitch 3.0mm / Angled

ASSMANN WSW-No.  
**A-WBP-O001DA-xxTB01**

Drawing-No.  
**ASS 9062 CO** rev08

Customer-No.  
 SHEET 4 / 10

H

1

2

3

4

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A

B

C

D

E

F

G

H

1

2

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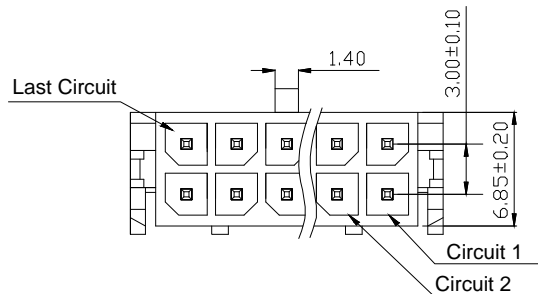
4

5

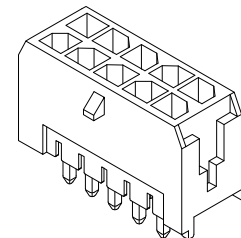
6

7

A



B

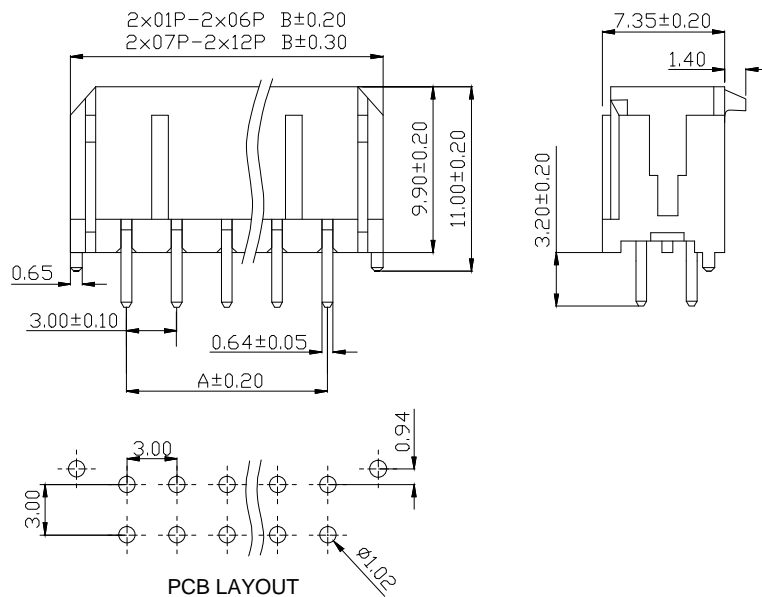


Notes:  
 Insulator Material: LCP, UL94V-0, Black  
 Contact Material: Brass, Tin plated  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: PE bag.

A

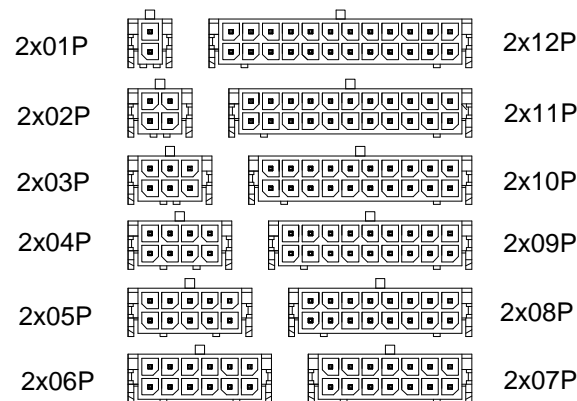
B

C



C

D



No. of Contact	DIM A	DIM B
2	NA	6.65
4	3.00	9.65
6	6.00	12.65
8	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

D

E

E

F

CIRCUIT SIZE LAYOUT

F

G

RoHS compliant

Unit:mm



④ File No.: E198287

Scale	Free	⑧
TOLERANCE		⑦
X.	±0.35	⑥
X.X	±0.25	⑤
X.XX	±0.20	④
X.XXX	±0.15	③
DIM	TOL	Id.
Angle	TOL	

Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name
Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel
Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie
Add page 8	04.18.2023	Winnie			
Add UL E-No. on page 4,5,6,7	03.14.2023	Peter			
Added the page 3	02.21.2023	Peter			



Description: Wire-to-board con. Male Pitch 3.0mm / Straight	
ASSMANN WSW-No. A-WBP-O001DG-xxTB01	
Drawing-No. ASS 9062 CO	rev08
Customer-No.	SHEET 5 / 10

G

H

1

2

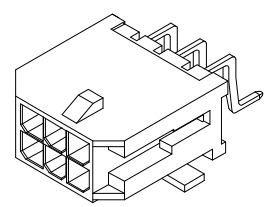
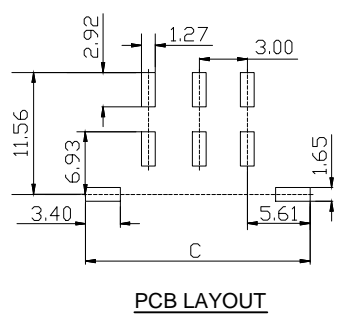
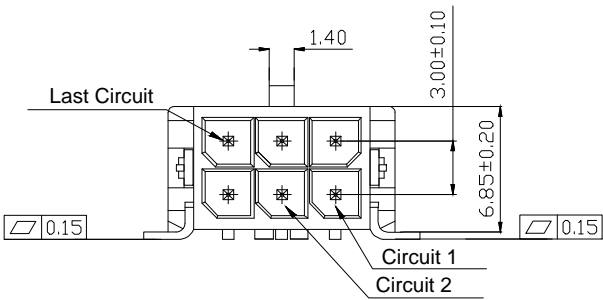
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4

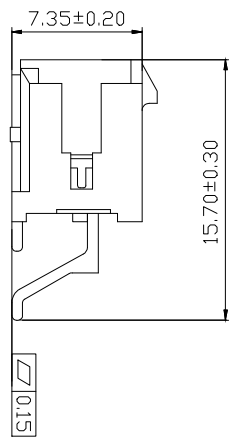
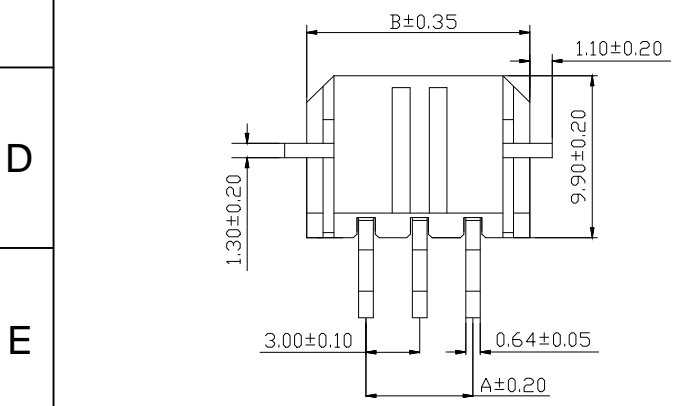
5

6

7

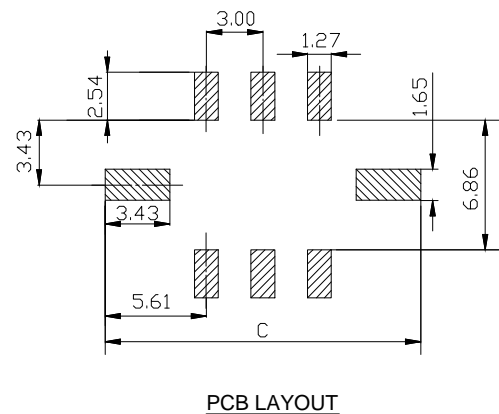
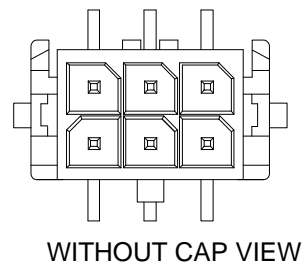
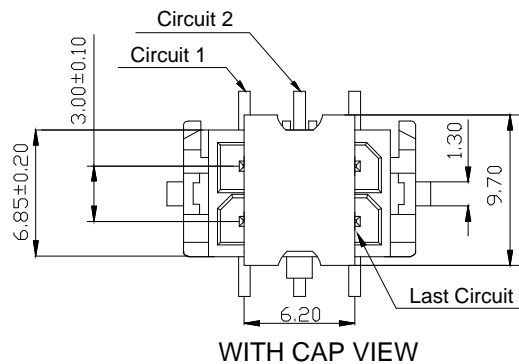


Notes:  
 Insulator Material: LCP, UL94V-0, Black  
 Contact Material: Brass, Tin plated  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: Reel



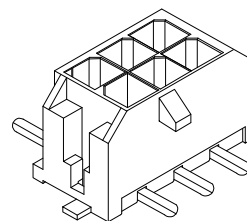
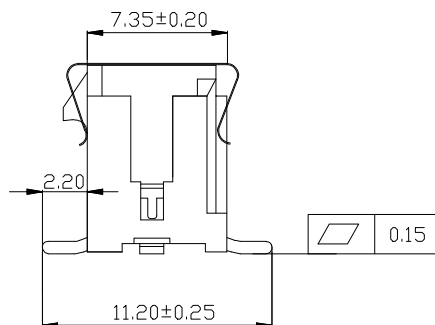
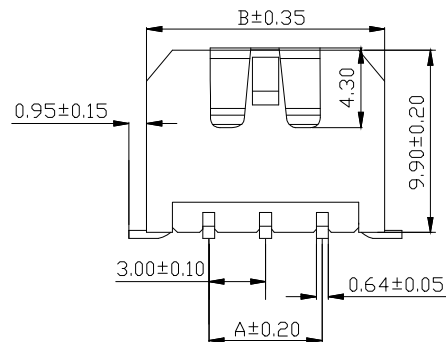
No. of Contact	DIM A	DIM B	DIM C
2	NA	6.65	11.20
4	3.00	9.65	14.20
6	6.00	12.65	17.20
8	9.00	15.65	20.20
10	12.00	18.65	23.20
12	15.00	21.65	26.20
14	18.00	24.65	29.20
16	21.00	27.65	32.20
18	24.00	30.65	35.20
20	27.00	33.65	38.20
22	30.00	36.65	41.20
24	33.00	39.65	44.20

G	<b>RoHS compliant</b> Unit:mm  ④ File No.: E198287	Scale	Free	⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name	Description: Wire-to-board con. Male, Pitch 3.0mm / Angled / SMT	
		TOLERANCE		⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel		
H		X.	±0.35	⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie	ASSMANN WSW-No. <b>A-WBP-O001DA-xxSR01</b>	
		X.XX	±0.20	⑤	Add page 8	04.18.2023	Winnie					
		X.XXX	±0.15	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter		Drawing-No.		ASS 9062 CO	rev08
		DIM	TOL	③	Added the page 3	02.21.2023	Peter		Customer-No.			
		Angle	TOL	Id.	Modification	Date	Name					



Notes:  
 Insulator Material: LCP, UL94V-0, Black  
 Contact Material: Brass, Tin plated  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing: Reel

No. of Contact	DIM A	DIM B	DIM C
2	NA	6.65	11.20
4	3.00	9.65	14.20
6	6.00	12.65	17.20
8	9.00	15.65	20.20
10	12.00	18.65	23.20
12	15.00	21.65	26.20
14	18.00	24.65	29.20
16	21.00	27.65	32.20
18	24.00	30.65	35.20
20	27.00	33.65	38.20
22	30.00	36.65	41.20
24	33.00	39.65	44.20



**RoHS compliant**  
 Unit:mm  
  
 ④ File No.: E198287

Scale	Free	⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name
<b>TOLERANCE</b>		⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel
X.	±0.35	⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie
X.X	±0.25	⑤	Add page 8	04.18.2023	Winnie			
X.XX	±0.20	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter			
X.XXX	±0.15	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter			
DIM	TOL	③	Added the page 3	02.21.2023	Peter			
Angle	TOL	Id.	Modification	Date	Name			

Description: Wire-to-board con.  
 Male  
 Pitch 3.0mm / straight / SMT

ASSMANN WSW-No.  
**A-WBP-O001DG-xxSR01**

Drawing-No.  
**ASS 9062 CO** rev08

Customer-No.  
 SHEET 7 / 10

1

2

3

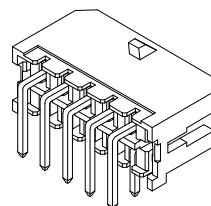
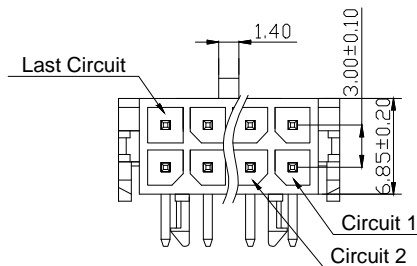
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A

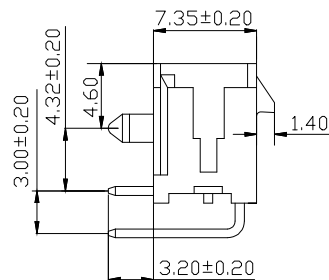
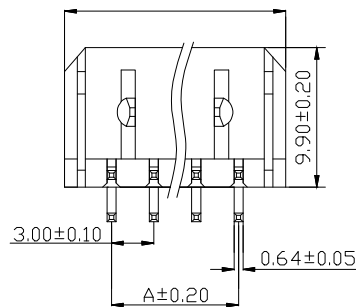


Notes:  
 Insulator Material: LCP+15%GF, UL94V-0, Black  
 Contact Material: Brass, Tin plated  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 Operation Temperature: -25°C to +85°C;  
 Packing:  
 A-WBP-O001DA-xxRP01:TRAY  
 ⑦ A-WBP-O001DA-10RR01 :Tape Reel

B

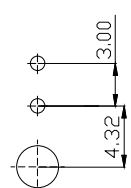
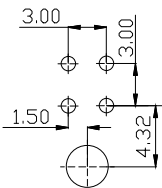
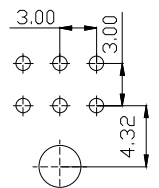
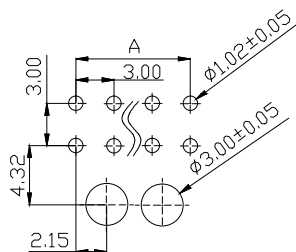
C

2x01P-2x06P B±0.20  
 2x07P-2x12P B±0.30



D

E

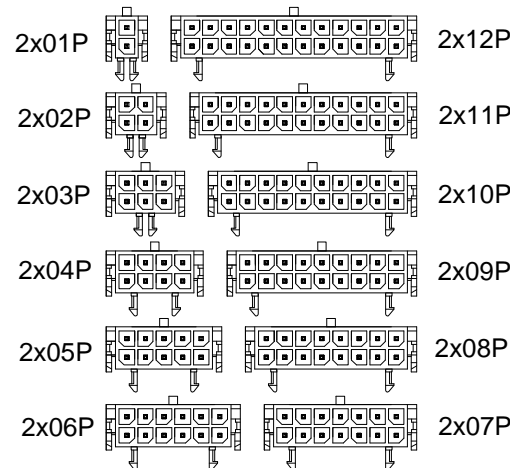


PCB LAYOUT 08P-24P

PCB LAYOUT 6P

PCB LAYOUT 4P

PCB LAYOUT 2P



CIRCUIT SIZE LAYOUT

No. of Contact	DIM A	DIM B
2	NA	6.65
4	3.00	9.65
6	6.00	12.65
8	9.00	15.65
10	12.00	18.65
12	15.00	21.65
14	18.00	24.65
16	21.00	27.65
18	24.00	30.65
20	27.00	33.65
22	30.00	36.65
24	33.00	39.65

G

**RoHS compliant**  
 Unit:mm

Scale	Free	⑧
TOLERANCE		⑦
X.	±0.35	⑥
X.X	±0.25	⑤
X.XX	±0.20	④
X.XXX	±0.15	③
DIM	TOL	
Angle	TOL	Id.

Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name
Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel
Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie
Add page 8	04.18.2023	Winnie			
Add UL E-No. on page 4,5,6,7	03.14.2023	Peter			
Added the page 3	02.21.2023	Peter			
Modification	Date	Name			

Description: Wire-to-board con.  
 Male  
 Pitch 3.0mm / Angled /THR

ASSMANN WSW-No.  
**A-WBP-O001DA-xxRP01**

Drawing-No.  
**ASS 9062 CO** rev08  
 Customer-No. SHEET 8 / 10

H

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A

B

C

D

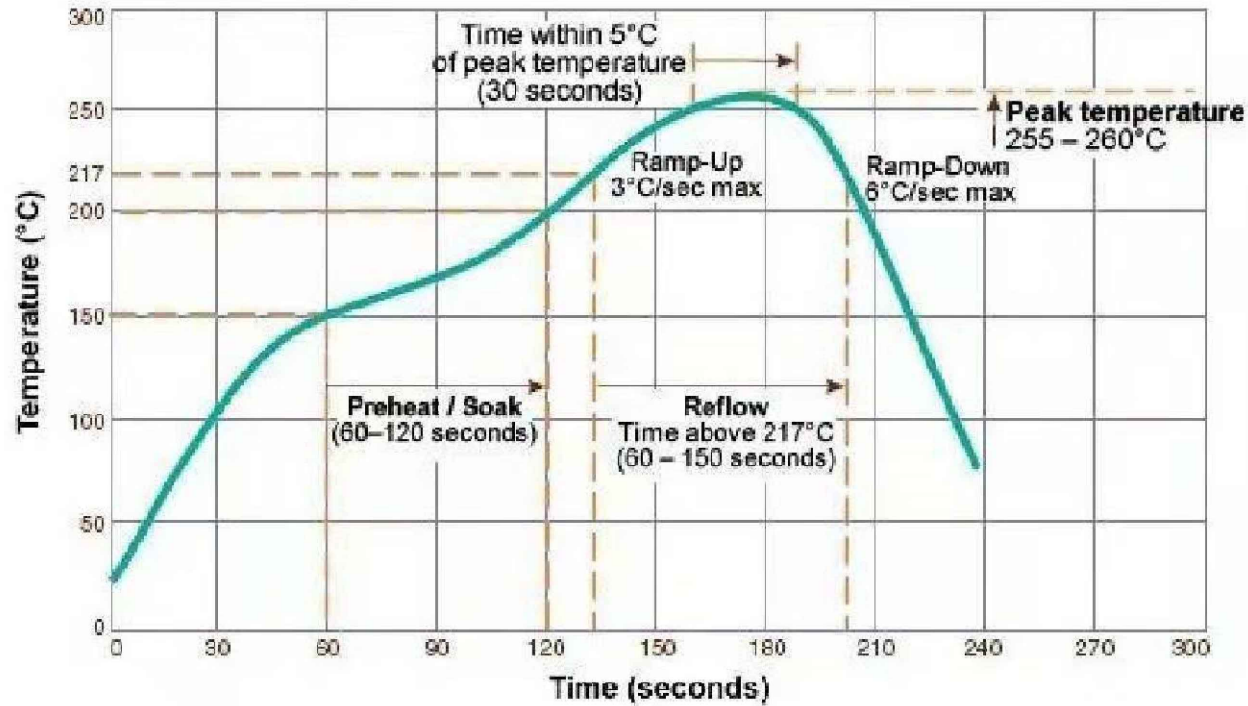
E

F

G

H





LCP Soldering Profile

**RoHS compliant**

Unit:mm

Scale	Free	⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie		Date	Name	Description: Wire-to-board con. Male Pitch 3.0mm
<b>TOLERANCE</b>		⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021	Daniel	
X.	±0.35	⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023	Winnie	ASSMANN WSW-No. A-WBP-O001DA-xxRx01 A-WBP-O001DA-xxSR01
X.X	±0.25	⑤	Add page 8	04.18.2023	Winnie				
X.XX	±0.20	④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter	<b>ASSMANN</b> WSW components	Drawing-No. <b>ASS 9062 CO</b>		rev08
X.XXX	±0.15	③	Added the page 3	02.21.2023	Peter		Customer-No.		SHEET 9 / 10
DIM	TOL	Id.	Modification	Date	Name				
Angle	TOL								

1

2

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4

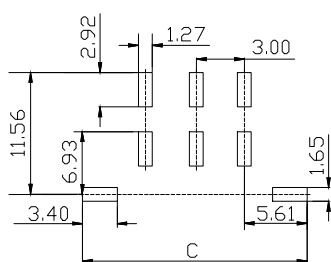
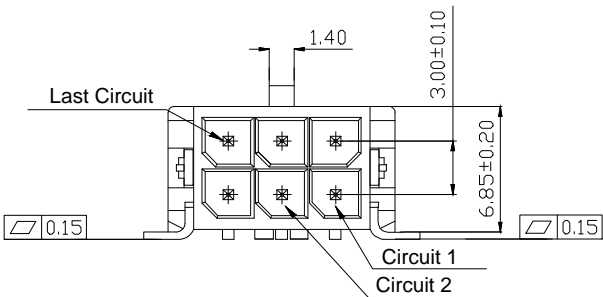
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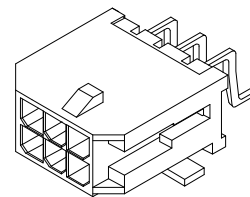
7

A

A



PCB LAYOUT



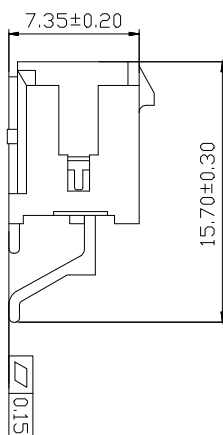
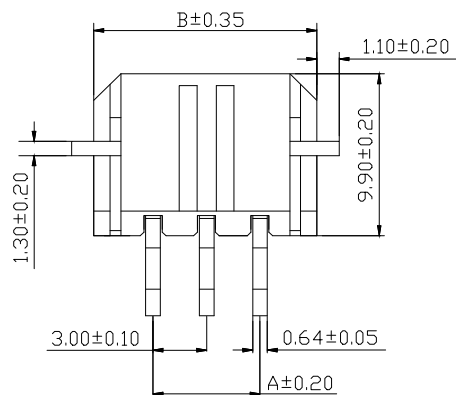
Notes:  
 Insulator Material: LCP, UL94V-0, Black  
 Contact Material: Brass, Tin plated  
 Voltage Rating: 250V AC,DC;  
 Current Rating: 5A AC,DC;  
 Withstanding Voltage: 1500V AC/minute;  
 Insulation Resistance: 1000MΩ Min;  
 Contact Resistance: 20mΩ Max;  
 ⑧ Operation Temperature: -40°C to +105°C;  
 Packing: Reel

B

B

C

C



No. of Contact	DIM A	DIM B	DIM C
2	NA	6.65	11.20
4	3.00	9.65	14.20
6	6.00	12.65	17.20
8	9.00	15.65	20.20
10	12.00	18.65	23.20
12	15.00	21.65	26.20
14	18.00	24.65	29.20
16	21.00	27.65	32.20
18	24.00	30.65	35.20
20	27.00	33.65	38.20
22	30.00	36.65	41.20
24	33.00	39.65	44.20

D

D

E

E

F

F

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	Description: Wire-to-board con. Male, Pitch 3.0mm / Angled / SMT	
⑧	Add P/N :A-WBP-O001DA-xxSR02	07.26.2023	Winnie	Date	Name
⑦	Add tape reel packing in page 8	06.14.2023	Winnie	Drawn	29.10.2021 Daniel
⑥	Add LCP soldering profile	06.06.2023	Winnie	Approved	07.26.2023 Winnie
⑤	Add page 8	04.18.2023	Winnie		
④	Add UL E-No. on page 4,5,6,7	03.14.2023	Peter	ASSMANN WSW-No. A-WBP-O001DA-xxSR02	
③	Added the page 3	02.21.2023	Peter		
				Drawing-No. ASS 9062 CO rev08	
				Customer-No. SHEET 10 / 10	



H

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