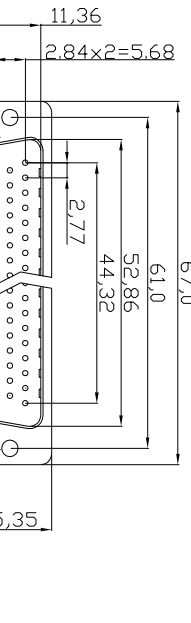
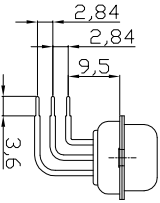
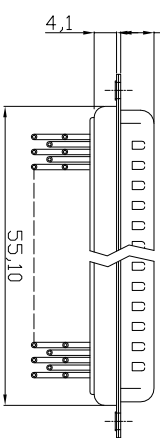
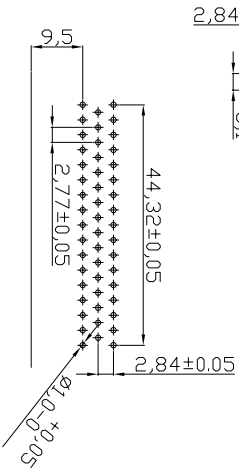


9.4 mm Footprint Machined Pin(W/O Rear Cover)



Recommended PCB Layout



50 Positions Machined Pin(W/O Rear Cover)

Positions	A	B	C	E
09	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24
37	69.40	63.50	55.42	49.86

- NOTES:**
- MATERIAL**
1. Insulator Material: Glass-filled thermoplastic PBT, UL94V-0
 2. Contact Material: Copper alloy, Gold
 3. Shell : Steel, 100 μ" Tin Over 50μ" min Copper
- ELECTRICAL**
1. Current Rating : 5AMP
 2. Voltage Rating : 250V AC/rms 60Hz
 3. Contact Resistance: 20mΩ Max at 1 AMP DC
 4. Insulation Resistance: 1000MΩ at 500 VDC
 5. Withstand Voltage: 1000V AC/rms 60Hz for 1 minute
 6. Waving soldering temperature : 245°C, 5S Max
- ③ Operating temperature: -55°C~105°C
- Order Code: A-Dx xx AAZ-x
- Quality Class ④
AAZ - Quality class III : Full gold flash
AAZ-1 - Quality class I : Selective 30u"Au
- Contact style:
F - Ferrite
S - Male
- No. of Contacts ③
09 / 15 / 25 / 37/50
* Standard

RoHS compliant
Unit:mm

Scale	Free	⑤	Add page 3&page4	20.07.2020	Winnie
TOLERANCE		④	Add selective 30u"Au	20.05.2020	Winnie
X.	±0.38	③	Add operating temperature&50 Pins	30.08.2019	Winnie
X.X	±0.25	②	Add the waving soldering temperature	10.08.2017	Winnie
X.XX	±0.13	①	Correct position "E"	14.07.2017	Winnie
DIM	TOL	①	Drawn	15.08.2012	Lucas
X.°	±3°				
X.X°	±1.0°				
Angle	TOL		Modification	Date	Name



Date	Name	Description:
15.08.2012	Lucas	D-sub Pitch Male Pitch 2.77
20.07.2020	Winnie	

ASSMANN WSW-No.
A-DS xx AAZ-x

Drawing-No.
ASS 4887 CO

Customer-No.

rev05

Sheet 1/4

1	2	3	4	5	6	7
H	G	F	E	D	C	B
1	2	3	4	5	6	7
H	G	F	E	D	C	B

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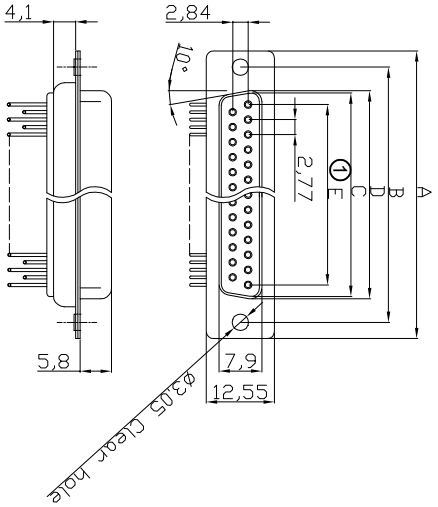
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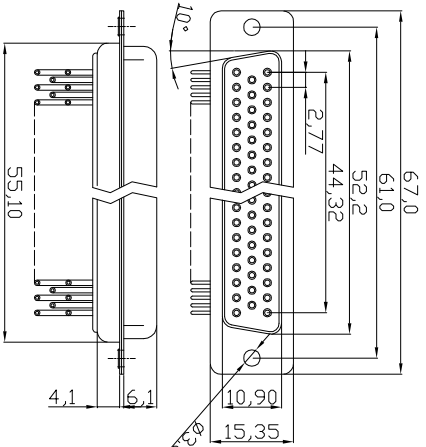
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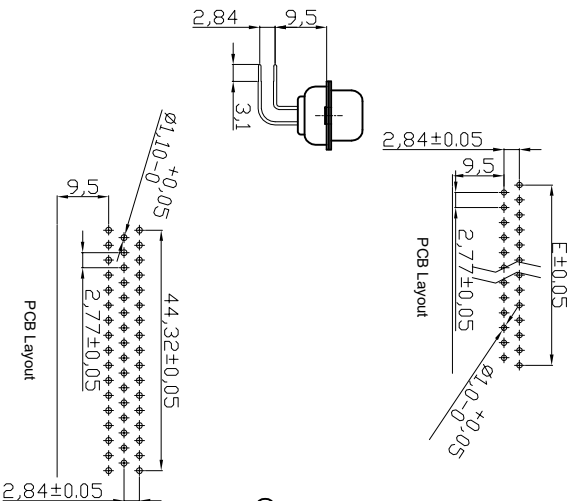
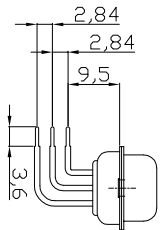
7



9.4 mm Footprint Machined Pin(W/O Rear Cover)



50 Positions Machined Pin(W/O Rear Cover)



NOTES:

MATERIAL

- 1. Insulator Material: Glass-filled thermoplastic PBT, UL94V-0
- 2. Contact Material: Copper alloy, Gold
- 3. Shell: Steel, 100 μ" Tin Over 50μ" min Copper ELECTRICAL
- 1 Current Rating : 5AMP
- 2. Voltage Rating : 250V AC/rms 60Hz
- 3. Contact Resistance: 20mΩ Max at 1 AMP DC
- 4. Insulation Resistance: 1000MΩ at 500 VDC
- 5. Withstand Voltage: 1000V AC/rms 60Hz for 1 minute
- 6. Waving soldering temperature :245°C,5S Max
- ③ Operating temperature: -55°C~105°C

Order Code:

A-Dx xx AAZ-x

Quality Class ④
 AA/Z - Quality class III : Full gold flash
 AA/Z-1 - Quality class I : Selective 30u"Au

No. of Contacts ③

09 / 15 / 25 / 37/50

* Standard

Contact style:
 F - Female
 S - Male

Dimensions

Positions	A	B	D	E
09	30.81	24.99	16.33	11.08
15	39.20	33.30	24.70	19.39
25	53.05	47.04	36.40	33.24
37	69.40	63.50	54.80	49.86

Description: D-sub Pitch Male Pitch 2.77

ASSMANN WSW-No.

A-DF xx AA/Z-x

Drawing-No.

ASS 4887 CO rev05

Customer-No.

Sheet 2/4

RoHS compliant

Unit:mm

1

2

3

4

5

6

7

Scale	Free	⑤ Add page 3&page4	Winnie	Date	Name
TOLERANCE		④ Add selective 30u"Au	Winnie	20.05.2020	Drawn
X.	±0.38	③ Add operating temperature&50 Pins	Winnie	30.08.2019	Approved
X.X	±0.25	② Add the waving soldering temperature	Winnie	10.08.2017	
X.XX	±0.13	① Correct position "E"	Winnie	14.07.2017	
DIM	TOL	① Drawn	Lucas	15.08.2012	
X.°	±3°				
X.X°	±1.0°				
Angle	TOL	Id.	Modification	Date	Name

1

2

3

4

5

6

7

H

G

F

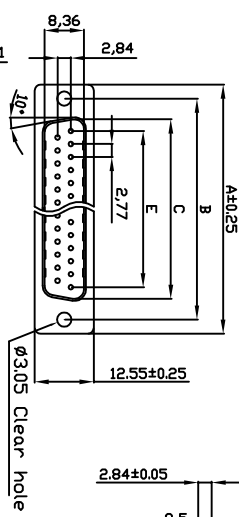
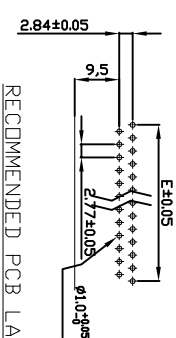
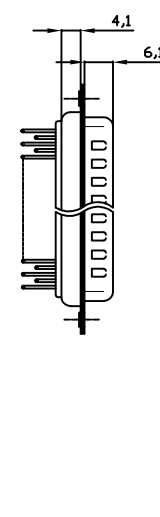
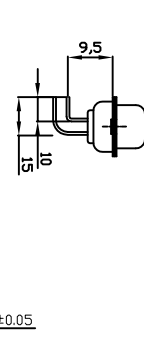
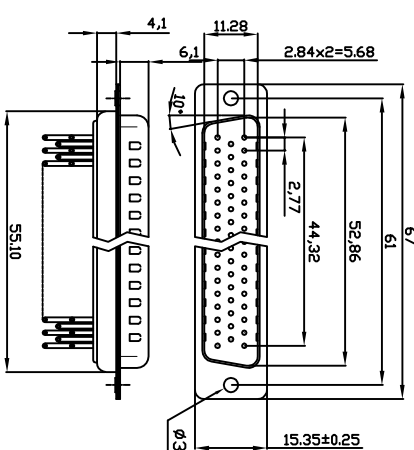
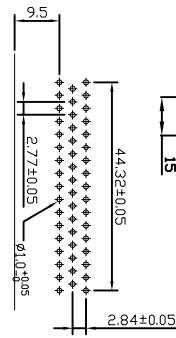
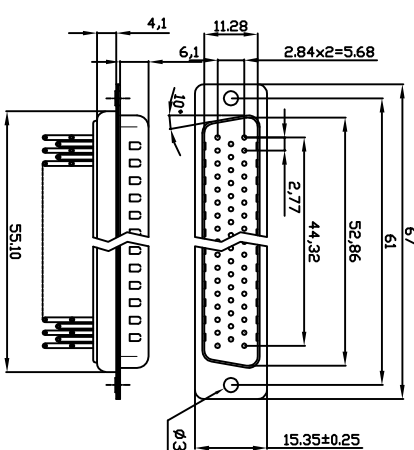
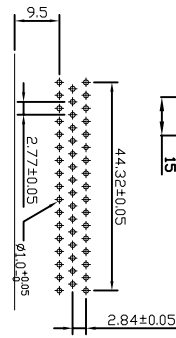
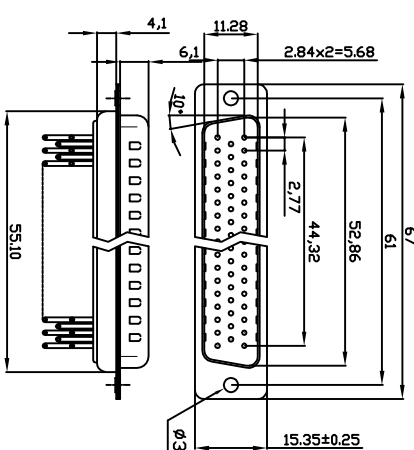
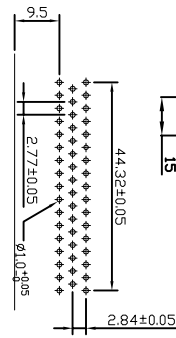
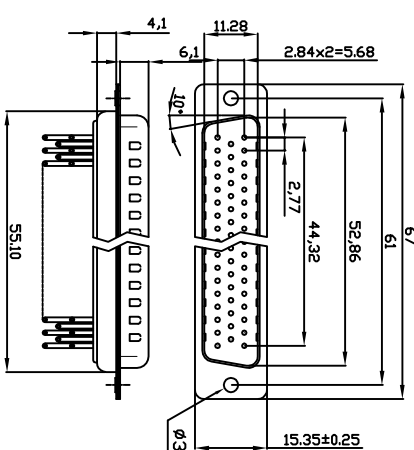
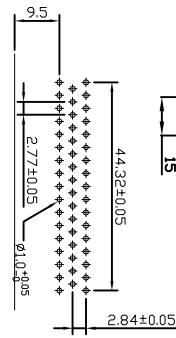
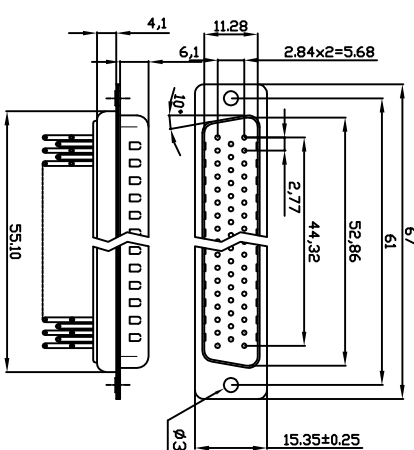
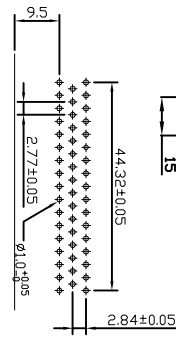
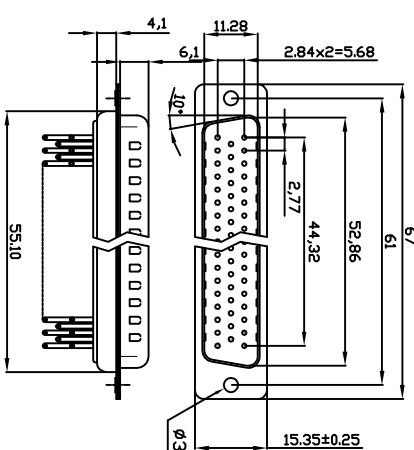
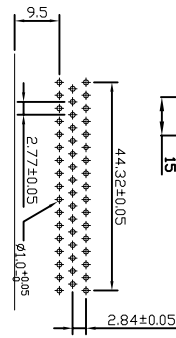
E

D

C

B

A

1	2	3	4	5	6	7																														
A		 <p>RECOMMENDED PCB LAYOUT FEMALE\MALE</p>	<p>NOTES:</p> <p>MATERIAL INSULATOR: Glass-filled thermoplastic PBT UL94V-0 CONTACT Mating side:</p>	<p>Copper alloy, Option: Gold-flash on contact Option: selective Au30µ" on contact area over 50µ" min Nickel Copper alloy, 100µ" Tin plated on solder area over 50µ" min Nickel Steel, 100µ" Tin Over 50µ" min Copper</p>	<p>5 AMP 250VAC/rms 60Hz 20mΩ Max at 1AMP DC 1000MΩ min at 500VDC 1000V AC/rms 60Hz for 1 minute -55 °C ~ +105 °C Tray</p>	A																														
B		 <p>RECOMMENDED PCB LAYOUT FEMALE\MALE</p>	<p>Solder side:</p> <p>Shell: ELECTRICAL Current Rating: Voltage Rating: Contact Resistance: Insulation Resistance: Withstand Voltage: Operating temperature: Packing:</p>	<p>Order Code: A-Dx xx-AAZ-x-SC Contact style: F - Female S - Male Empty - Gold Flash/Sn 1 - Au 30µ"/Sn No. of Contacts 09 / 15 /25 / 37/50</p>	<p>9.4mm Footprint Machined Pin (W/O Rear Cover)</p> <table border="1"> <thead> <tr> <th colspan="5">Dimensions</th> </tr> <tr> <th>Positions</th> <th>A</th> <th>B</th> <th>C</th> <th>E</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>30.81</td> <td>24.99</td> <td>16.92</td> <td>11.08</td> </tr> <tr> <td>15</td> <td>39.20</td> <td>33.30</td> <td>25.25</td> <td>19.39</td> </tr> <tr> <td>25</td> <td>53.05</td> <td>47.04</td> <td>38.96</td> <td>33.24</td> </tr> <tr> <td>37</td> <td>69.40</td> <td>63.50</td> <td>55.42</td> <td>49.86</td> </tr> </tbody> </table>	Dimensions					Positions	A	B	C	E	9	30.81	24.99	16.92	11.08	15	39.20	33.30	25.25	19.39	25	53.05	47.04	38.96	33.24	37	69.40	63.50	55.42	49.86	B
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<p>8</p>																																				
<p>9</p>																																				
<p>10</p>																																				

ROHS compliant
Unit:mmm

Scale	Free	⑤	Add page 3&page4	20.07.2020	Winnie
TOLERANCE		④	Add selective 30µ"Au	20.05.2020	Winnie
X.X	±0.50	③	Add operating temperature&50 Pins	30.08.2019	Winnie
X.XX	±0.13	②	Add the waving soldering temperature	10.08.2017	Winnie
DIM	TOL	①	Correct position "E"	14.07.2017	Winnie
X.	±3°	①	Drawn	15.08.2012	Lucas
X.X	±1°	①	Drawn	15.08.2012	Lucas
Angle	TOL	Id.	Modification	Date	Name

ASSMANN
components

ASS 4887 CO

A-DS xx AA/Z-SC

Drawing-No.

ASSMANN WSW-NO.

Description
D-sub
Pitch Male Pitch 2.77
Short contacts on solder side

Replace

rev05

Sheet 3/4

1

2

3

4

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A

NOTES:

MATERIAL

Insulator: Glass-filled thermoplastic PBT UL94V-0

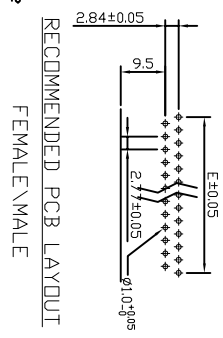
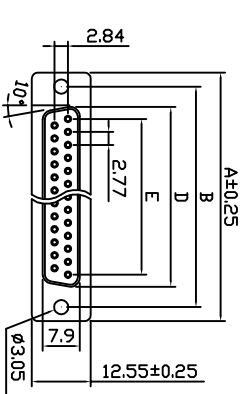
CONTACT

Mating side:

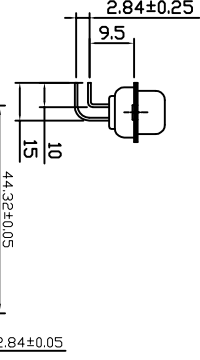
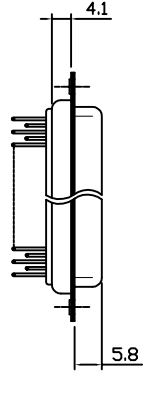
- Copper alloy,
- Option: Gold-flash on contact
- Option: selective Au30µ" on contact area
- over 50µ" min Nickel
- Copper alloy, 100µ" Tin plated on solder area
- over 50µ" min Nickel
- Steel, 100µ" Tin Over 50µ" min Copper

Solder side:

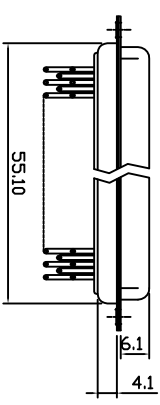
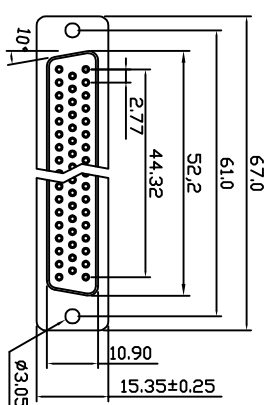
- Shell:
- ELECTRICAL**
- Current Rating: 5 AMP
- Voltage Rating: 250VAC/rms 60Hz
- Contact Resistance: 20mΩ Max at 1AMP DC
- Insulation Resistance: 1000MΩ min at 500VDC
- Withstand Voltage: 1000V AC/rms 60Hz for 1 minute
- Operating temperature: -55°C ~ +105°C
- Packing: Tray



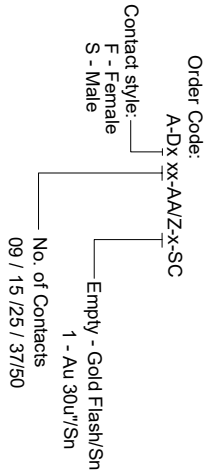
RECOMMENDED PCB LAYOUT FEMALE MALE



RECOMMENDED PCB LAYOUT FEMALE MALE



50 Positions Machined Pin (W/O Rear Cover)



9.4mm Footprint Machined Pin (W/O Rear Cover)

Positions	A	B	C	E
9	30.81	24.99	16.92	11.08
15	39.20	33.30	25.25	19.39
25	53.05	47.04	38.96	33.24
37	69.40	63.50	55.42	49.86

G

Scale	Free	⑤	Date	Name
TOLERANCE		Add page 3&page4	20.07.2020	Winnie
X.	±0.50	Add selective 30u"Au	20.05.2020	Winnie
X.X	±0.25	Add operating temperature&50 Pins	30.08.2019	Winnie
X.XX	±0.13	Add the waving soldering temperature	10.08.2017	Winnie
DIM	TOL	① Correct position "E"	14.07.2017	Winnie
X.	±3°	②		
X.X	±1°	③ Drawn	15.08.2012	Lucas
Angle	TOL	④		

Description	D-sub	Name
Pitch Female Pitch 2.77		Lucas
Short contacts on solder side		Winnie

H

Drawing-No.	ASSMANN WSW-No.
ASS 4887 CO	A-DF XX AA/Z-SC

RoHS compliant
Unit:mm



Replace	rev05
	Sheet 4/4

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