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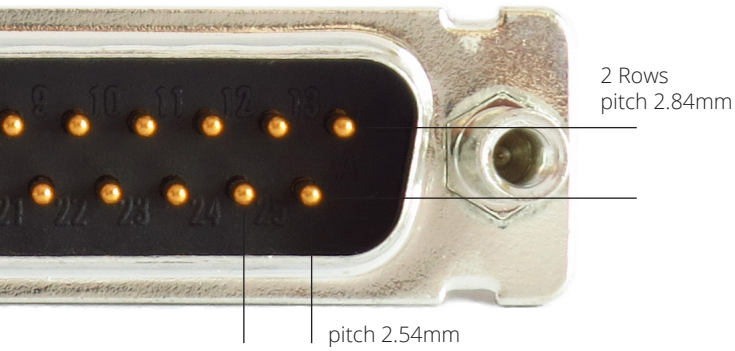
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Standard and High Density D-Sub

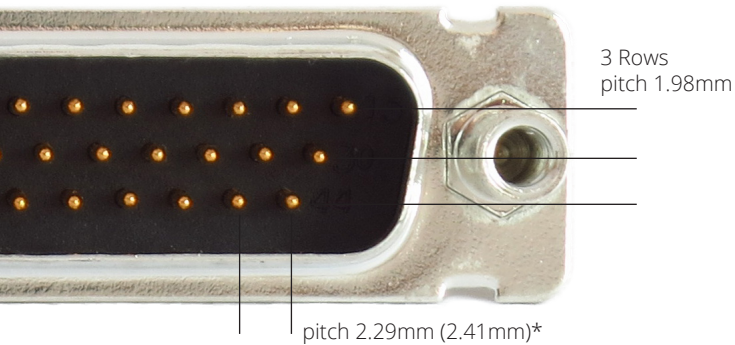
KD

KH



Standard Density

The Standard Density D-Sub is the original D-Sub created some 50 years ago, the Standard Density D-Sub have signal contacts with current rating of 5A. There are 5 sizes with connector mating layouts ranging from 9 positions to 50 positions. This connector is widely used in industrial applications worldwide.



High Density

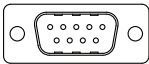
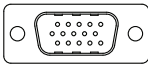
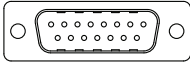
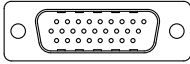
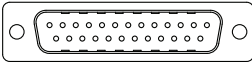
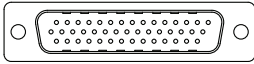
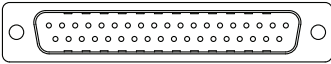
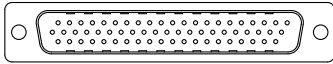
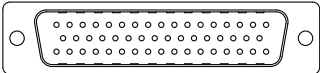
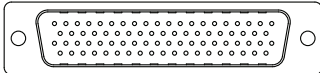
The High Density D-Sub have the same size as the Standard Density connector but hold more contacts in its insulator. For a Standard Density 9 position connector the High Density holds 15 positions, for a 15 position Standard Density connector, the High Density holds 26 positions, and so on, see Tech Specs for more details. The High Density connector have a drawback in comparison and that is the current rating which is only 3Aas the Standard Density have 5A . *62pos and 78pos have different pitch.

Tech Spec

	Standard Density	High Density
Material Data		
Insulator	Polyester GF UL94V-0	
Insulator color		
Contacts	Precision machined copper alloy	
Contact plating	Hard Gold plated over Nickel	
Shell	Steel, dimples on Male shell	
Shell plating	Tin plated over Nickel or Nickel plating	
Electrical Data		
Current rating (at room temp)	5.0 A	3.0 A
Working Voltage	125 V	60 V
Dielectric strenght / Test Voltage	Contact - contact 1000 V r.m.s.	
Contact resistance	< 10mΩ	
Insulation resistance	>5GΩ	
Mechanical Data		
Creepage distance	1.0mm	0.6mm
Operating Temperature	Temp -55°C to +125°C	
Quality Class	Quality Class 1 = 500 Mating Cycles, 30μ" (0.8μm) Gold over Nickel) Quality Class 3 = 50 Mating Cycles 8μ" (0.2μm) Gold over Nickel For other plating alternatives contact factory	

Standard and High Density D-Sub

Layout

	Standard Density	High Density
Size 1(E)	 9 pos	 15 pos
Size 2(A)	 15 pos	 26 pos
Size 3(B)	 25 pos	 44 pos
Size 4(C)	 37 pos	 62 pos
Size 5(D)	 50 pos	 78 pos

KD

KH

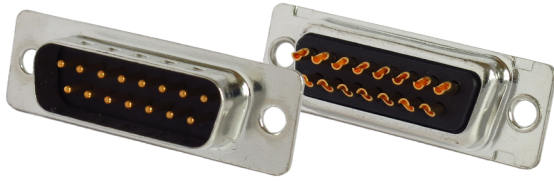
Standard Density KD Series

Solder cup

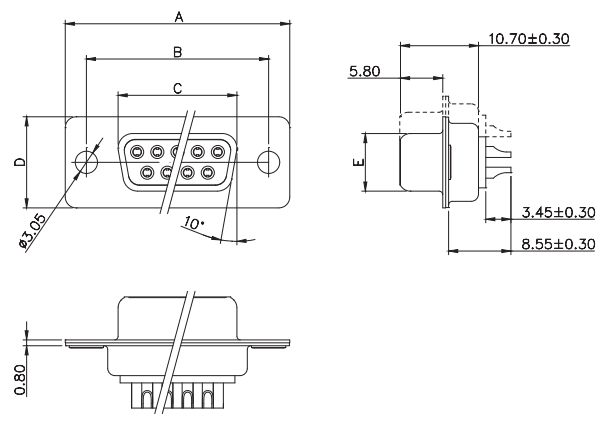
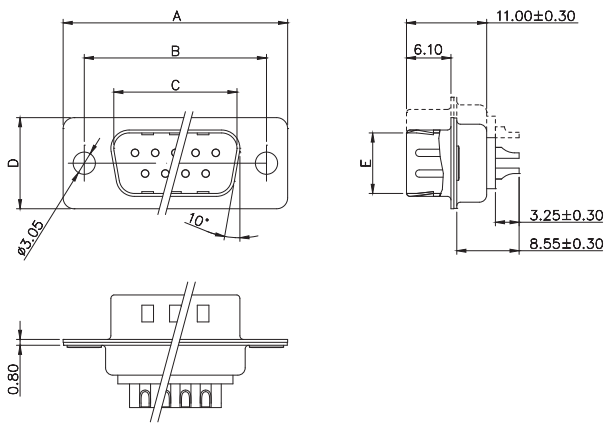
Male

Female

KD



Drawing



No. of pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:
KD = Standard Density D-Sub

Terminal type:
S = Solder cup

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Number of positions:
09 = 9 pos 15 = 15 pos 25 = 25 pos
37 = 37 pos 50 = 50 pos

A1 Mounting*:

A1 = Mounting hole
B1 = B1 with 4-40 UNC
B6 = B6 with M3

See mounting drawings below for more details

Insulator color:

B = Black (standard) W = White G = Green L = Blue

Shell plating*:

T = Tin (standard) N = Nickel

Gender:

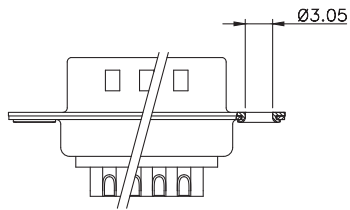
M = Male F = Female

Standard Density KD Series

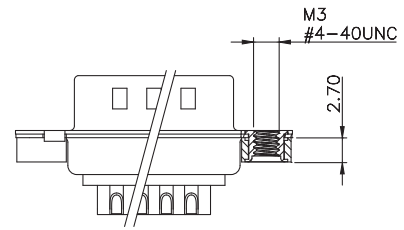
Solder cup
Mounting

KD

A1



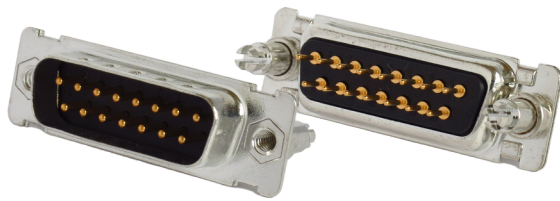
B1/B6



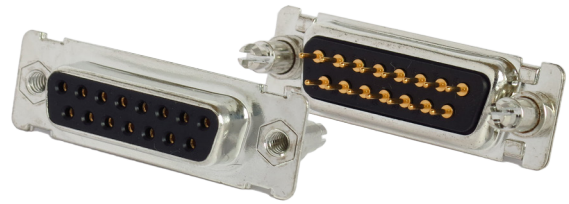
Standard Density KD Series

Straight PCB solder

Male

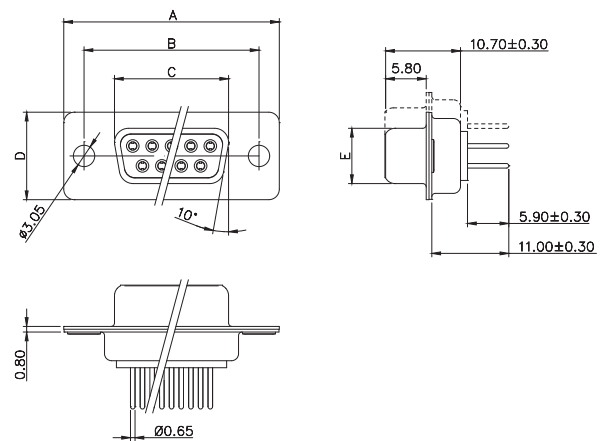
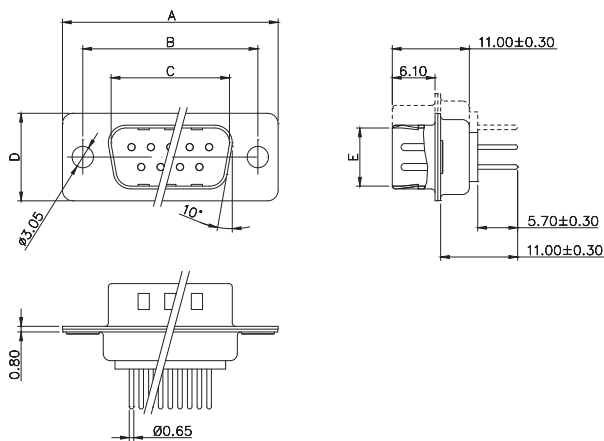


Female



KD

Drawing



No. of pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series: KD = Standard Density D-Sub **KD T 4 -15 M T B C1**

Terminal type:
T = Straight PCB solder

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Number of positions:
09 = 9 pos 15 = 15 pos 25 = 25 pos
37 = 37 pos 50 = 50 pos

Gender:
M = Male F = Female

Mounting*:

A1 = A1 No threads B8 = B8 with M3
B1 = B1 with 4-40 UNC C1 = C1 with 4-40 UNC
B2 = B2 with 4-40 UNC C2 = C2 with 4-40 UNC
B3 = B3 with 4-40 UNC C6 = C6 with M3
B6 = B6 with M3 C7 = C7 with M3
B7 = B7 with M3

See mounting drawings below for more details

Insulator color:

B = Black (standard) W = White G = Green L = Blue

Shell plating*:

T = Tin (standard) N = Nickel

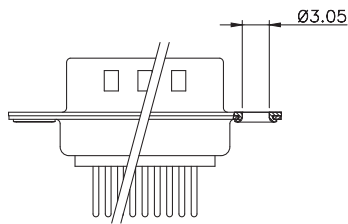
*Contact sales for more details, Konmek have a wide range of alternatives available.

Standard Density KD Series

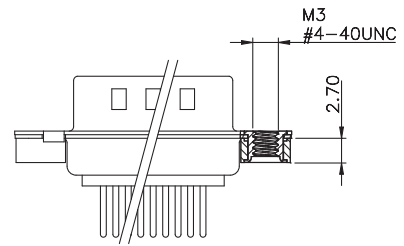
Straight PCB solder Mounting

KD

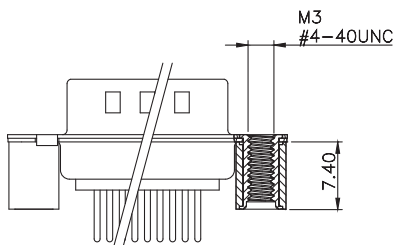
A1



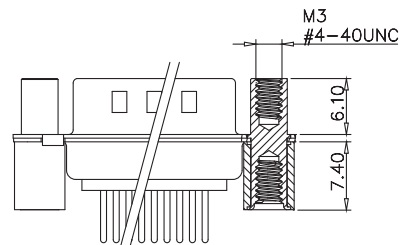
B1/B6



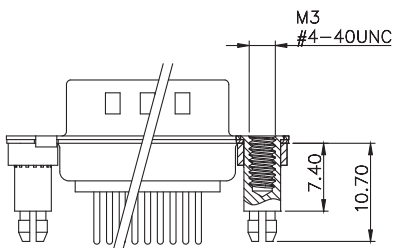
B2/B7



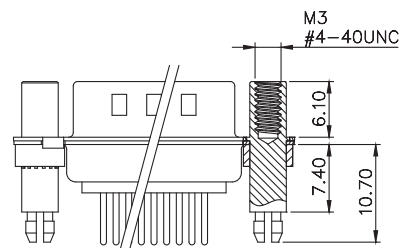
B3/B8



C1/C6



C2/C7



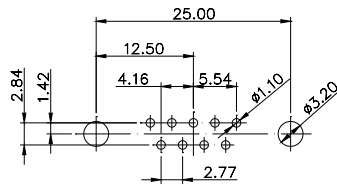
Standard Density KD Series

Straight PCB solder

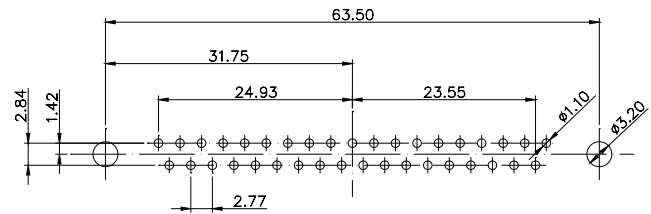
PCB Layout for Male and Female connector

KD

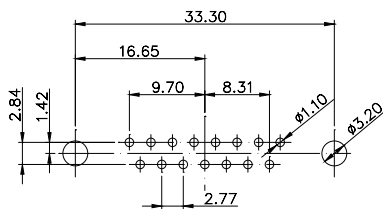
9 pos



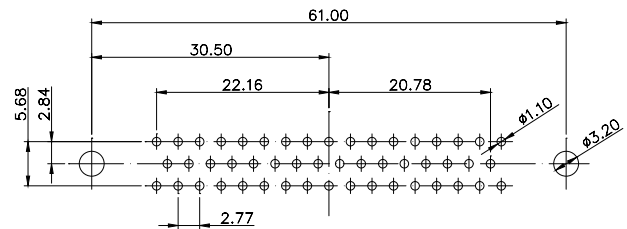
37 pos



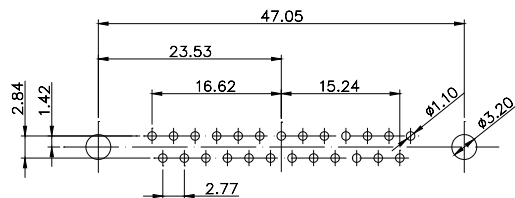
15 pos



50 pos



25 pos



Standard Density KD Series

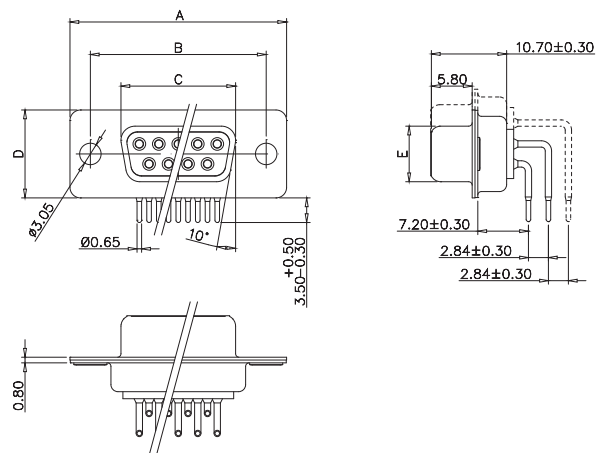
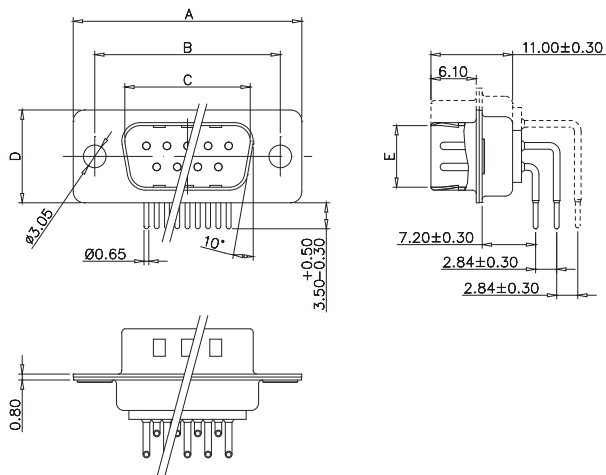
7.2mm R/A PCB solder

Male

KD

Female

Drawing



No. of pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:
KD = Standard Density D-Sub

Terminal type:
R7 = 7.2mm R/A PCB solder

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Number of positions:
09 = 9 pos **15** = 15 pos **25** = 25 pos
37 = 37 pos **50** = 50 pos

Gender:
M = Male **F** = Female

Mounting*:
A1 = A1 No threads **D4** = D4 with 4-40 UNC
B1 = B1 with 4-40 UNC **D6** = D6 with M3
B6 = B6 with M3 **D7** = D7 with M3
D1 = D1 with 4-40 UNC **D8** = D8 with M3
D2 = D2 with 4-40 UNC **D9** = D9 with M3
D3 = D3 with 4-40 UNC

See mounting drawings below for more details

Insulator color:
B = Black (standard) **W** = White **G** = Green **L** = Blue

Shell plating*:
T = Tin (standard) **N** = Nickel

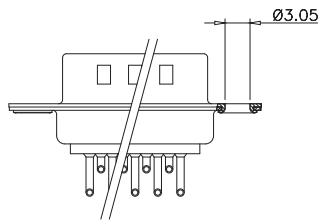
*Contact sales for more details, Konmek have a wide range of alternatives available.

Standard Density KD Series

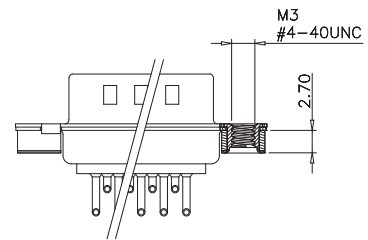
7.2mm R/A PCB solder
Mounting

KD

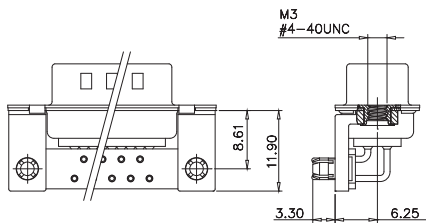
A1



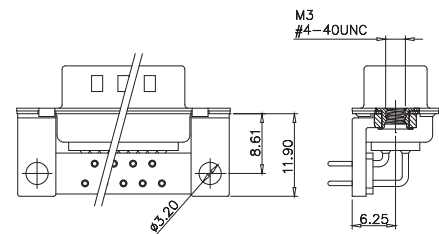
B1/B6



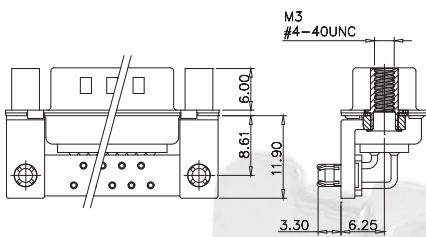
D1/D6



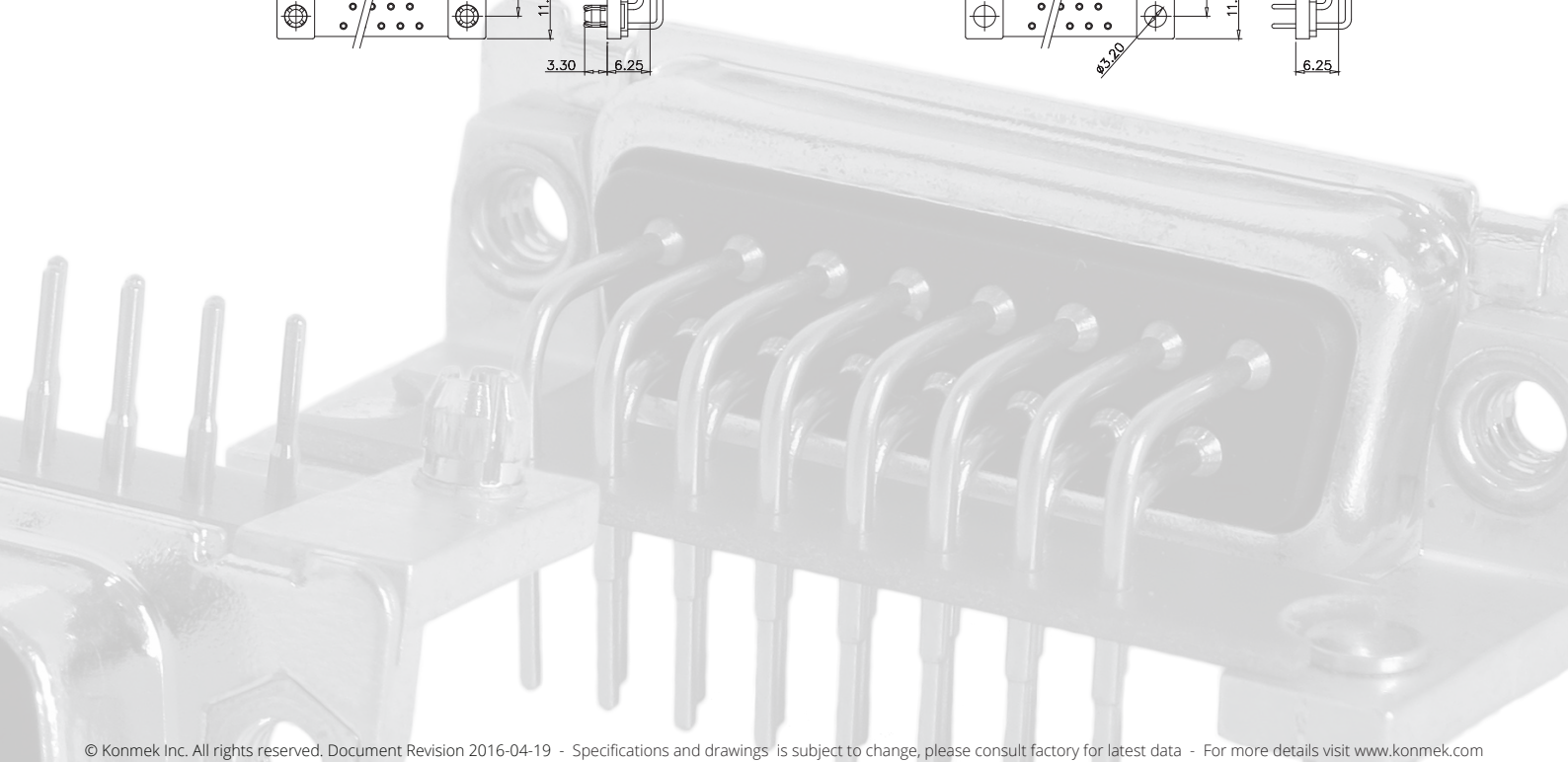
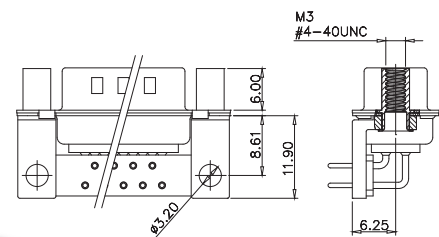
D2/D7



D3/D8



D4/D9



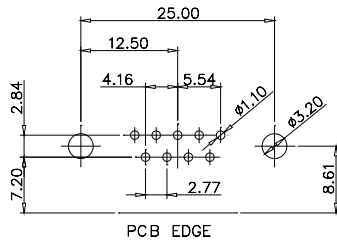
Standard Density KD Series

7.2mm R/A PCB solder

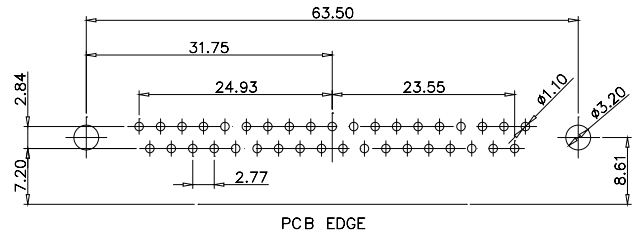
PCB Layout for Male and Female connector

KD

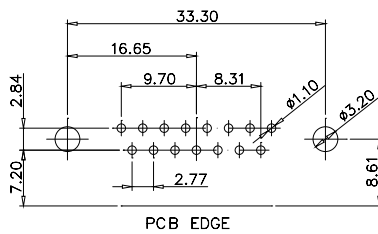
9 pos



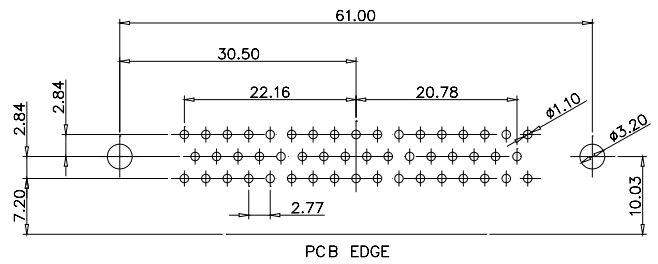
37 pos



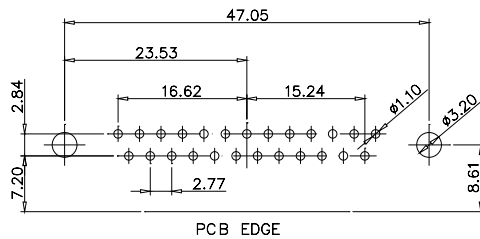
15 pos



50 pos



25 pos



Standard Density KD Series

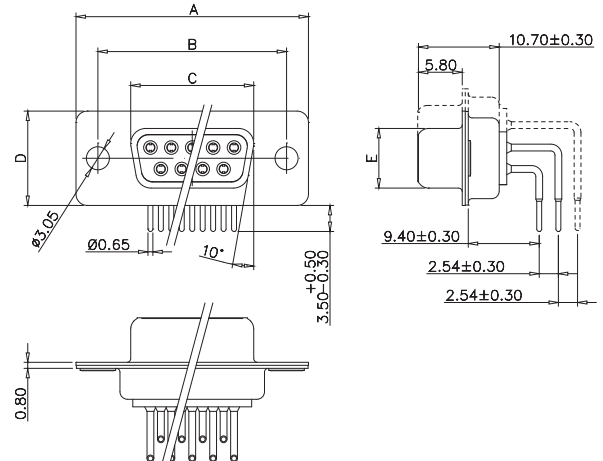
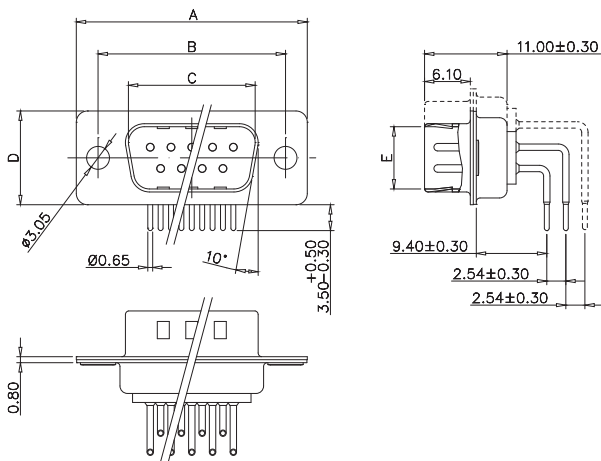
9.4mm R/A PCB solder

Male

KD

Female

Drawing



No. of pos.	A	B	C	D	E
09	30.80	25.00	16.90	12.50	8.30
15	39.20	33.30	25.25	12.50	8.30
25	53.05	47.05	38.95	12.50	8.30
37	69.40	63.50	55.40	12.50	8.30
50	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
09	30.80	25.00	16.30	12.50	7.90
15	39.20	33.30	24.60	12.50	7.90
25	53.05	47.05	38.40	12.50	7.90
37	69.40	63.50	54.80	12.50	7.90
50	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:
KD = Standard Density D-Sub

Terminal type:
R9 = 9.4mm R/A PCB solder

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Number of positions:
09 = 9 pos 15 = 15 pos 25 = 25 pos
37 = 37 pos 50 = 50 pos

Gender:
M = Male F = Female

Mounting*:
A1 = A1 No threads D4 = D4 with 4-40 UNC
B1 = B1 with 4-40 UNC D6 = D6 with M3
B6 = B6 with M3 D7 = D7 with M3
D1 = D1 with 4-40 UNC D8 = D8 with M3
D2 = D2 with 4-40 UNC D9 = D9 with M3
D3 = D3 with 4-40 UNC

See mounting drawings below for more details

Insulator color:
B = Black (standard) W = White G = Green L = Blue

Shell plating*:
T = Tin (standard) N = Nickel

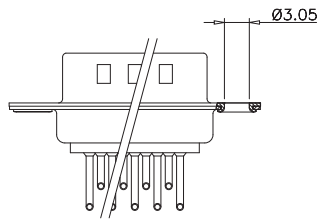
*Contact sales for more details, Konmek have a wide range of alternatives available.

Standard Density KD Series

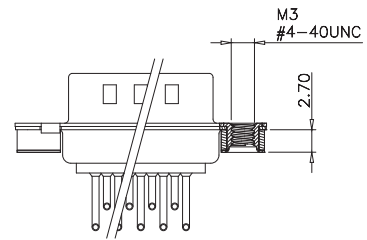
9.4mm R/A PCB solder
Mounting

KD

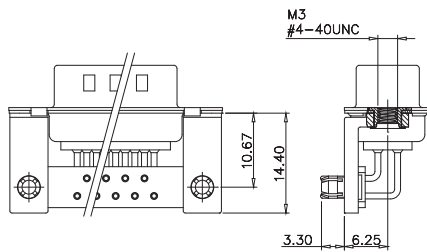
A1



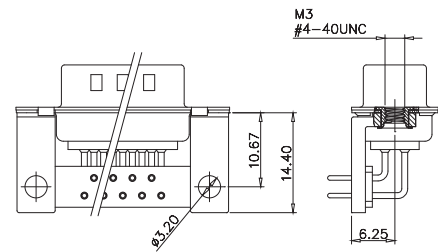
B1/B6



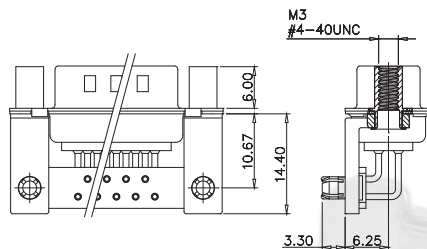
D1/D6



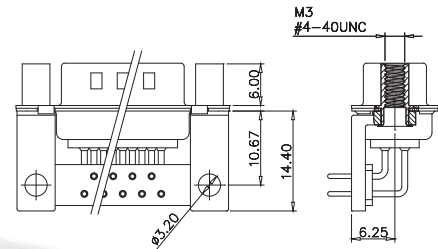
D2/D7



D3/D8



D4/D9



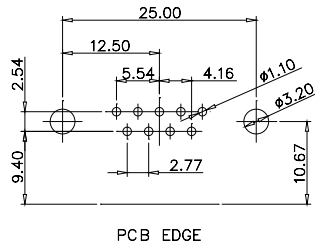
Standard Density KD Series

9.4mm R/A PCB solder

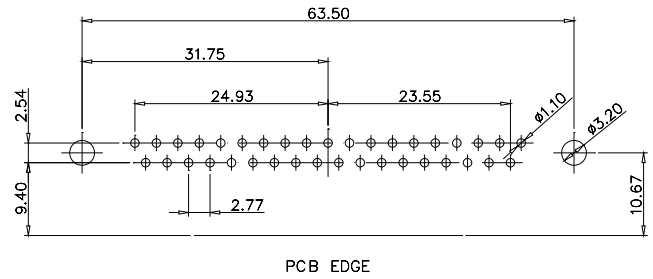
PCB Layout for Male and Female connector

KD

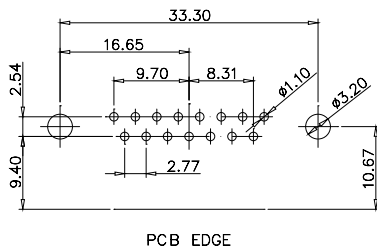
9 pos



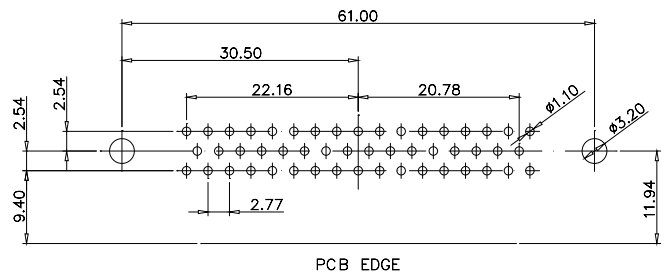
37 pos



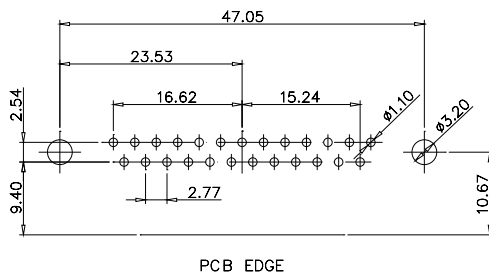
15 pos



50 pos



25 pos



High Density KH Series

Solder cup

Male

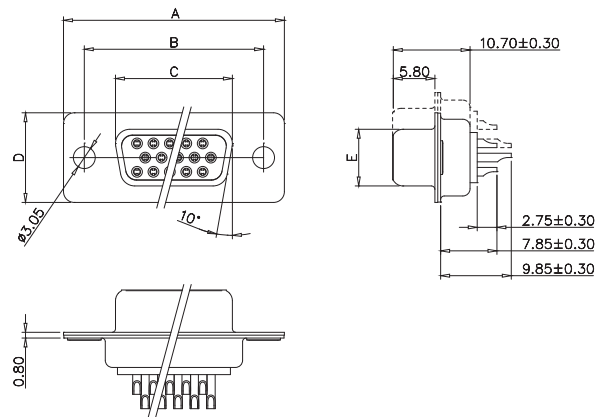
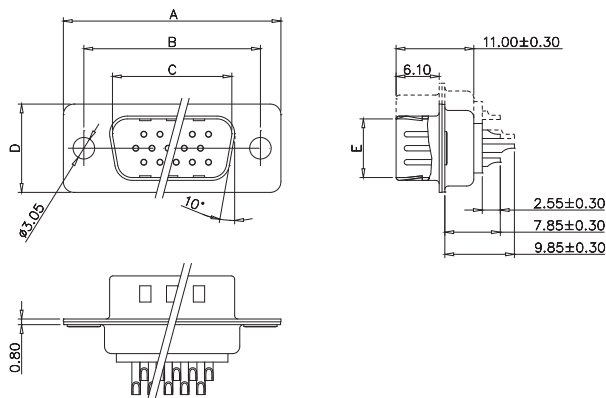


Female



KH

Drawing



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30
78	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90
78	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series: KH S 4 -26 M T B H1

KH = High Density D-Sub

Terminal type:

S = Solder cup

Contact plating*:

4 = Quality Class 3 (standard)

3 = Quality Class 1

Number of positions:

15 = 15 pos

26 = 26 pos

44 = 44 pos

62 = 62 pos

78 = 78 pos

Mounting*:

A1 = Mounting hole

B1 = B1 with 4-40 UNC

B6 = B6 with M3

See mounting drawings below for more details

Insulator color:

B = Black (standard) W = White

Shell plating*:

T = Tin (standard)

N = Nickel

Gender:

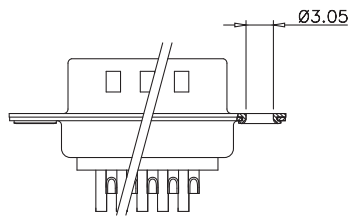
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

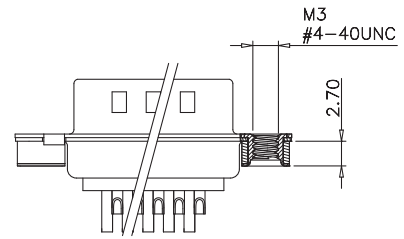
High Density KH Series

Solder cup
Mounting

A1



B1/B6



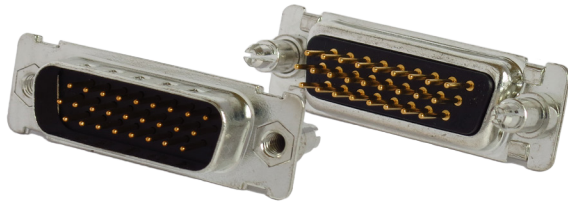
KH



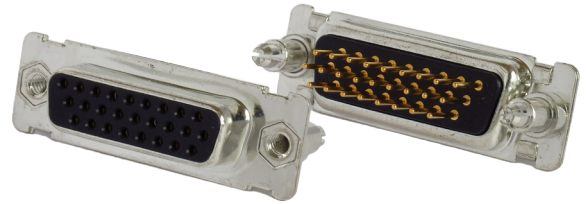
High Density KH Series

Straight PCB solder

Male

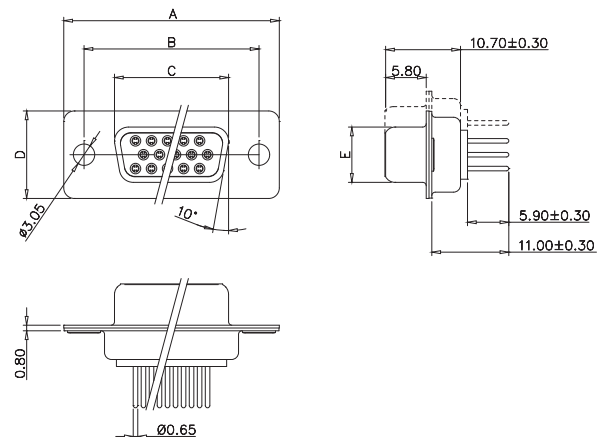
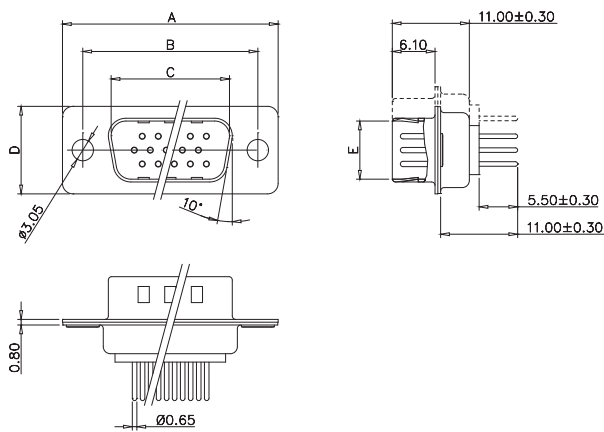


Female



KH

Drawing



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30
78	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90
78	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:

KH = High Density D-Sub

Terminal type:

T = Straight PCB solder

Contact plating*:

4 = Quality Class 3 (standard)

3 = Quality Class 1

Number of positions:

15 = 15 pos

26 = 26 pos

44 = 44 pos

62 = 62 pos

78 = 78 pos

Gender:

M = Male F = Female

KH T 4 -26 M T B C1

Mounting*:

A1 = A1 No threads

B1 = B1 with 4-40 UNC

B2 = B2 with 4-40 UNC

B3 = B3 with 4-40 UNC

B6 = B6 with M3

B7 = B7 with M3

B8 = B8 with M3

C1 = C1 with 4-40 UNC

C2 = C2 with 4-40 UNC

C6 = C6 with M3

C7 = C7 with M3

See mounting drawings below for more details

Insulator color:

B = Black (standard) W = White

Shell plating*:

T = Tin (standard)

N = Nickel

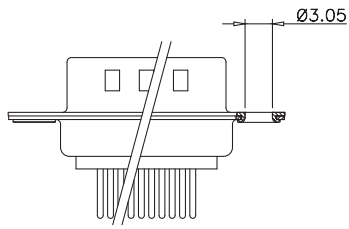
*Contact sales for more details, Konmek have a wide range of alternatives available.

High Density KH Series

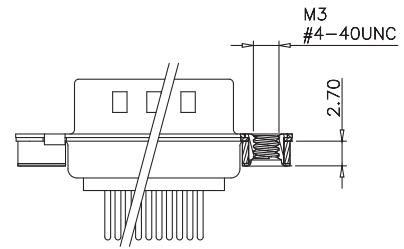
Straight PCB solder Mounting

KH

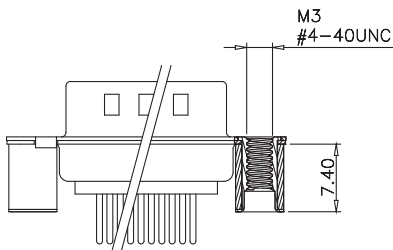
A1



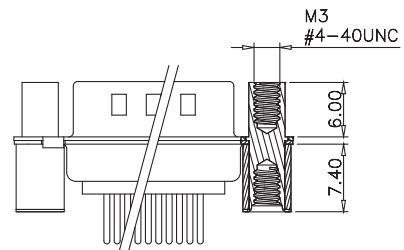
B1/B6



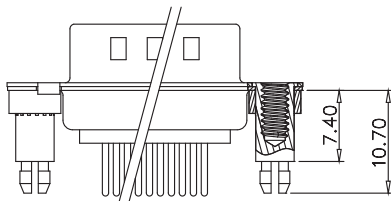
B2/B7



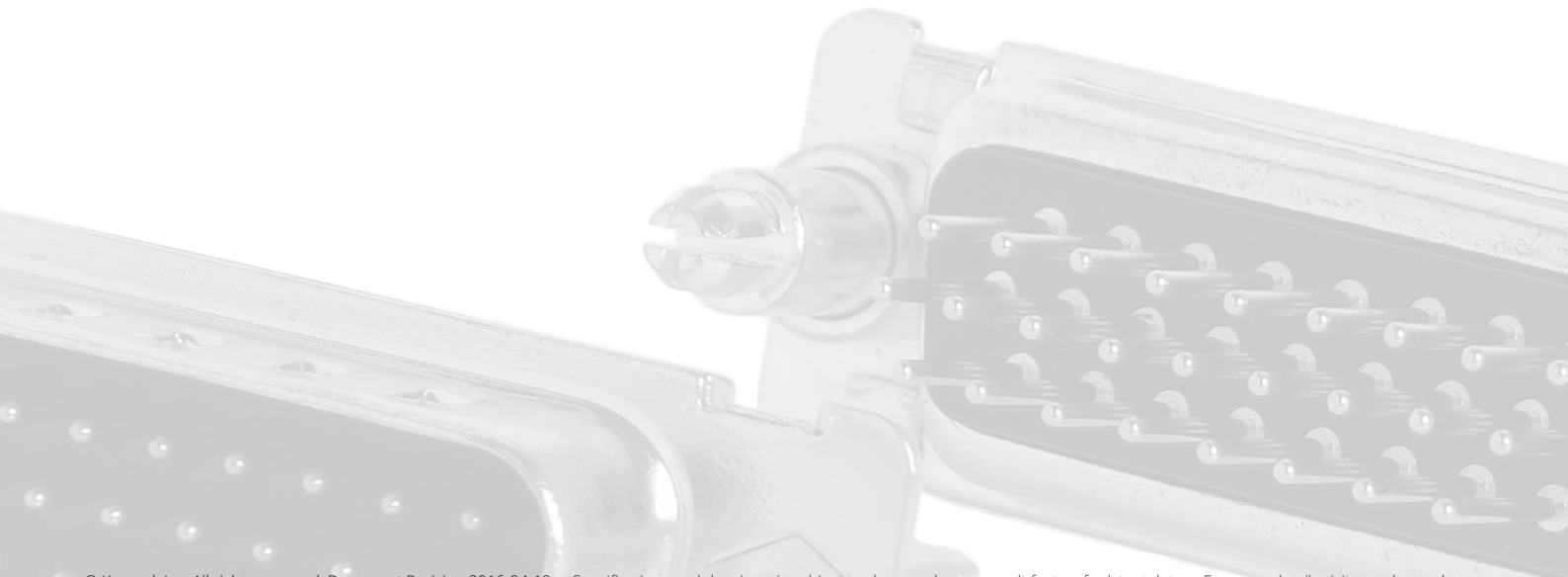
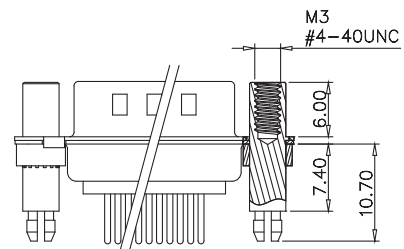
B3/B8



C1/C6



C2/C7



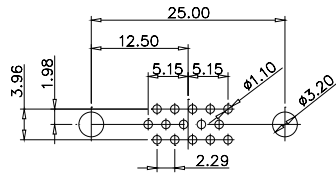
High Density KH Series

Straight PCB solder

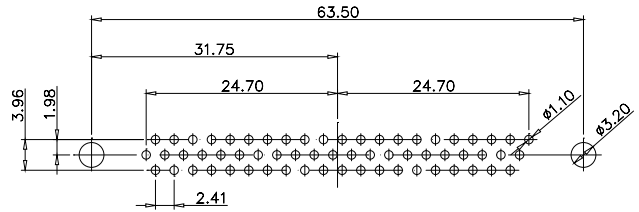
PCB Layout for Male connector

KH

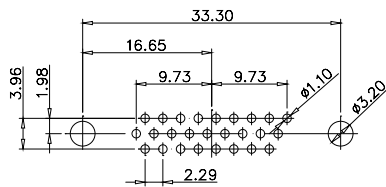
15 pos



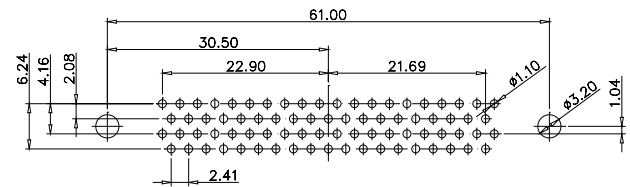
62 pos



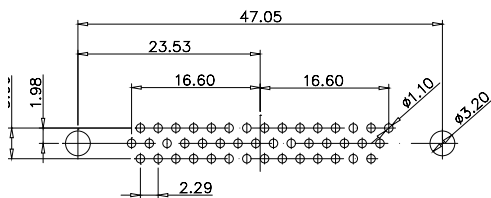
26 pos



78 pos



44 pos



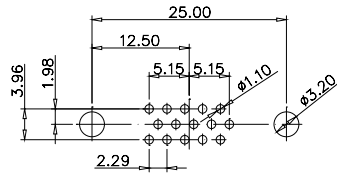
High Density KH Series

Straight PCB solder

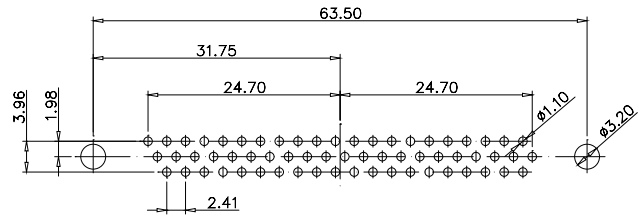
PCB Layout for Female connector

KH

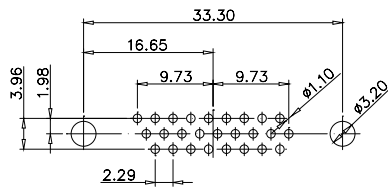
15 pos



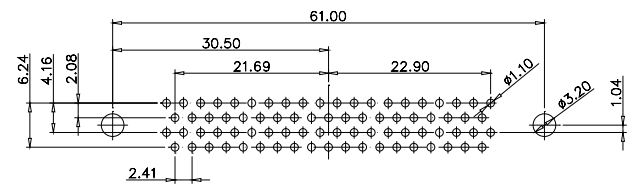
62 pos



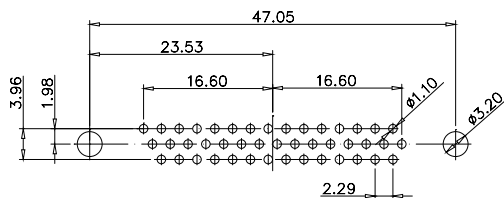
26 pos



78 pos



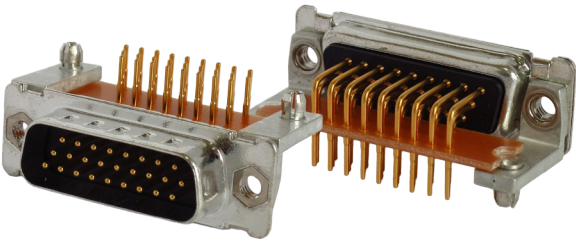
44 pos



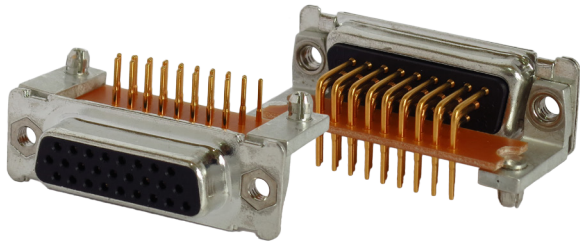
High Density KH Series

R/A PCB solder

Male

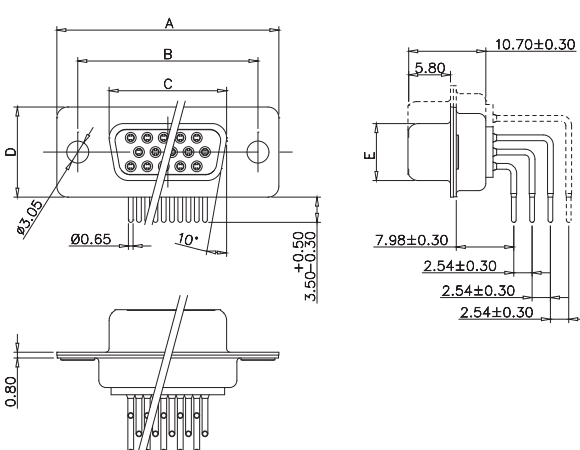
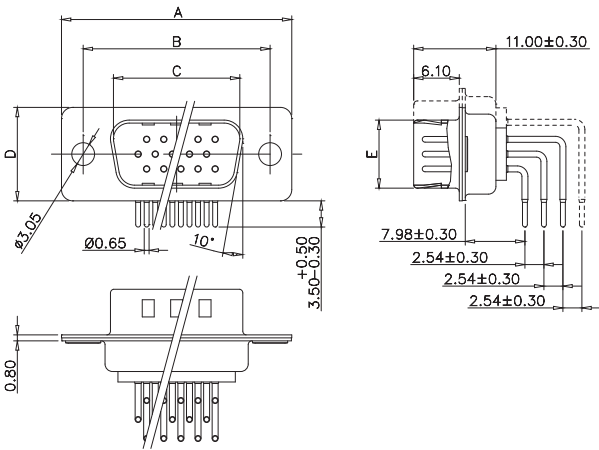


Female



KH

Drawing



No. of pos.	A	B	C	D	E
15	30.80	25.00	16.90	12.50	8.30
26	39.20	33.30	25.25	12.50	8.30
44	53.05	47.05	38.95	12.50	8.30
62	69.40	63.50	55.40	12.50	8.30
78	67.00	61.00	52.80	15.30	11.15

No. of pos.	A	B	C	D	E
15	30.80	25.00	16.30	12.50	7.90
26	39.20	33.30	24.60	12.50	7.90
44	53.05	47.05	38.40	12.50	7.90
62	69.40	63.50	54.80	12.50	7.90
78	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:
KH = High Density D-Sub

Terminal type:
R = R/A PCB solder

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Number of positions:
15 = 15 pos 26 = 26 pos 44 = 44 pos
62 = 62 pos 78 = 78 pos

Gender:
M = Male F = Female

KH

R

4

-26

M

T

D1

Mounting*:
A1 = A1 No threads
B1 = B1 with 4-40 UNC
B6 = B6 with M3
D1 = D1 with 4-40 UNC
D2 = D2 with 4-40 UNC
D3 = D3 with 4-40 UNC
D4 = D4 with 4-40 UNC
D6 = D6 with M3
D7 = D7 with M3
D8 = D8 with M3
D9 = D9 with M3
See mounting drawings below for more details

Insulator color:
B = Black (standard) W = White

Shell plating*:
T = Tin (standard) N = Nickel

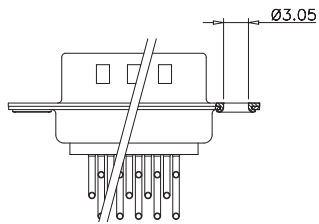
*Contact sales for more details, Konmek have a wide range of alternatives available.

High Density KH Series

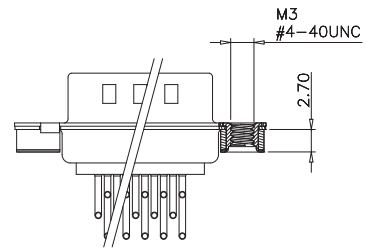
R/A PCB solder
Mounting

KH

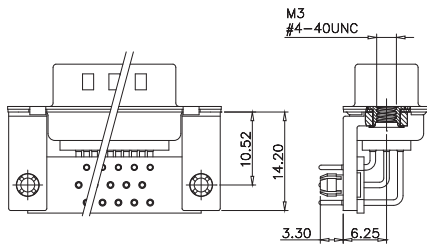
A1



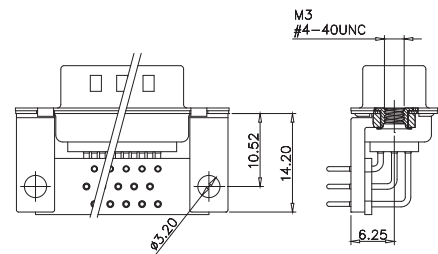
B1/B6



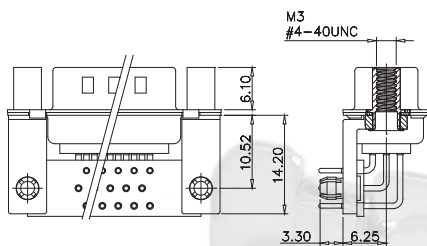
D1/D6



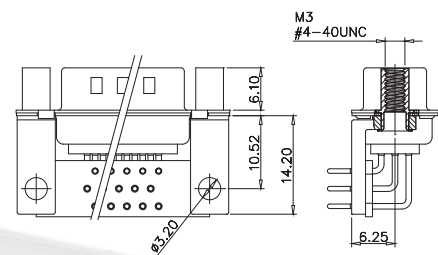
D2/D7



D3/D8



D4/D9

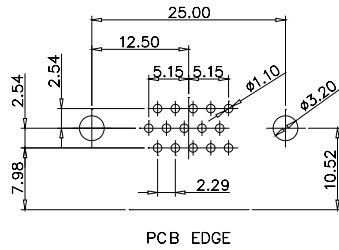


High Density KH Series

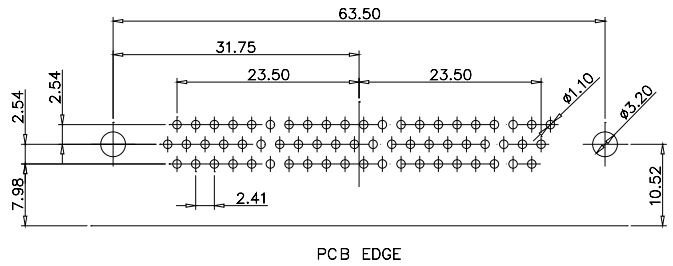
R/A PCB solder

PCB Layout for Male connector

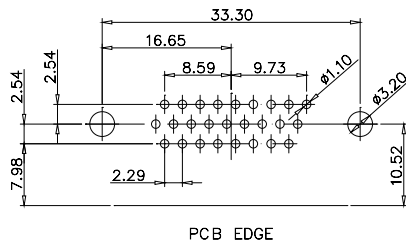
15 pos



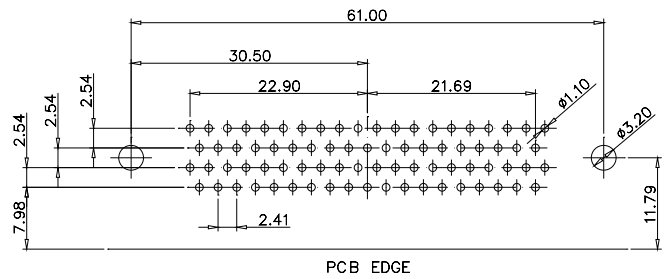
62 pos



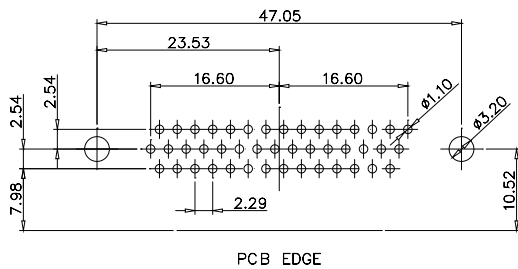
26 pos



78 pos



44 pos

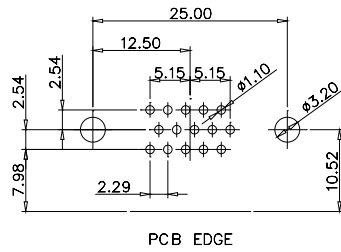


High Density KH Series

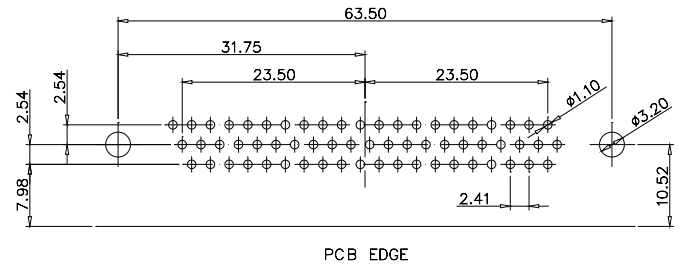
R/A PCB solder

PCB Layout for Female connector

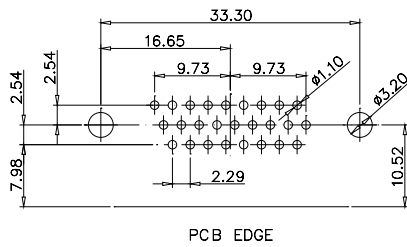
15 pos



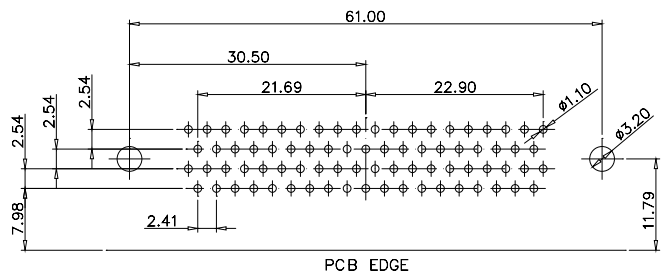
62 pos



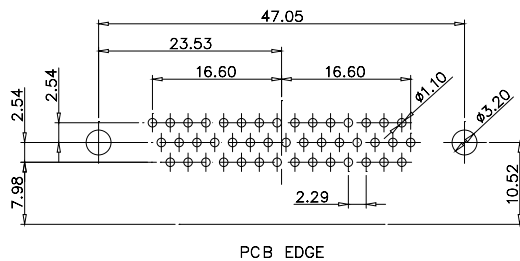
26 pos



78 pos

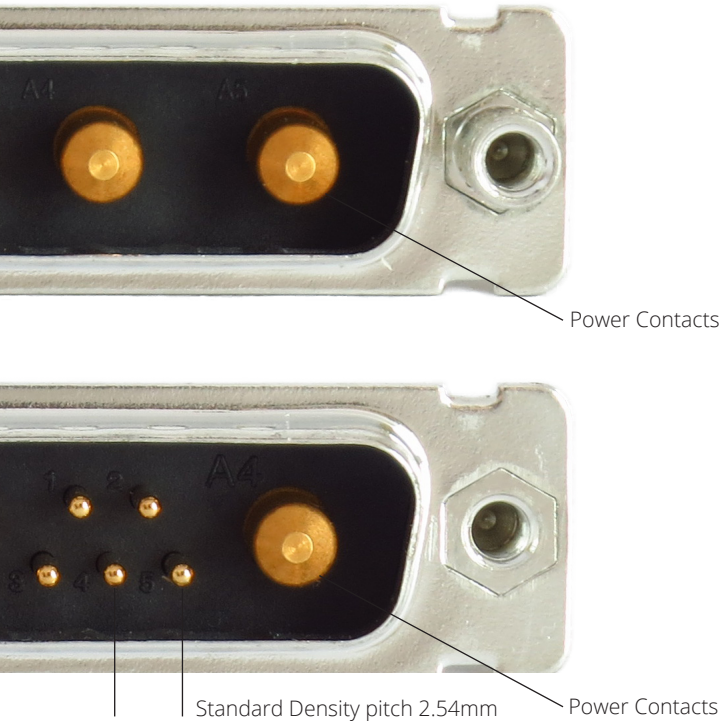


44 pos



KH

Power D-Sub



Power D-Sub Full Layout

The Power D-Sub have replaced the two rows in a Standard Density connector with a power contact that take up about the same size as the two rows of signal contacts. The Power D-Sub is exactly the same size as the SStandard Density connector but instead of example 9 possitions of signal pins it has 2 power contacts , or instead of 37 possitions of signals it has 8 power.

KP

Power D-Sub Mixed Layout

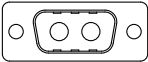
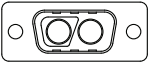
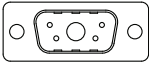
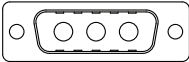
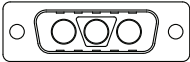
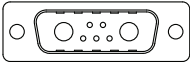
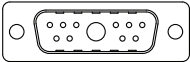
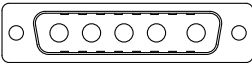
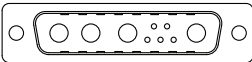
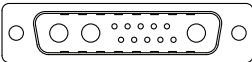
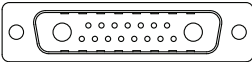
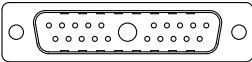
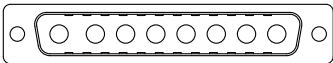
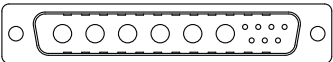
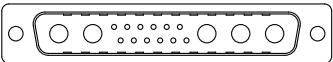
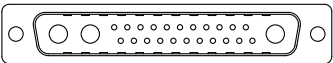
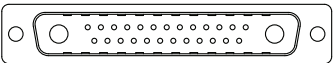
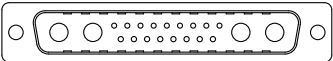
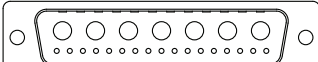
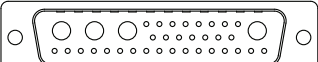
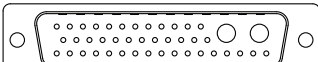
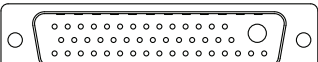
The Power D-Sub with Mixed Layout is a very popular connector and that it is for a reason, as the name apply, the connector mixes both power contacts and signal contacts in the same connector. For example the same size as a 15 position Standard Density D-Sub you can have what we call a 7W2, which means there is 7 contacts where 2 of them are power contacts, which means there are 5 signal contacts, so 5 signals and 2 power. See the Layout in the Tech Specs on the bottom, there are a lot of combinations of the Mixed Layout alternative.

Tech Spec

	Full Layout	Mixed Layout
Material Data		
Insulator	Polyester GF UL94V-0	
Insulator color	●	●
Contacts	Precision machined copper alloy	
Contact plating	Hard Gold plated over Nickel	
Shell	Steel, dimples on Male shell	
Shell plating	Tin plated over Nickel or Nickel plating	
Electrical Data		
Working Voltage	125 V	
Dielectric strenght / Test Voltage	Contact - contact 1000 V r.m.s.	
Power contact current rating	10 A, 20 A, 30 A and 40 A	
Power contact resistance	< 1mΩ	
Signal contact current rating	-	5.0 A
Signal contact resistance	-	< 10mΩ
Insulation resistance	>5GΩ	
Mechanical Data		
Creepage distance signal contacts	-	1.0mm
Operating Temperature	Temp -55°C to +125°C	
Quality Class	Quality Class 1 = 500 Mating Cycles, 30μ" (0.8μm) Gold over Nickel) Quality Class 3 = 50 Mating Cycles 8μ" (0.2μm) Gold over Nickel For other plating alternatives contact factory	

Power D-Sub

Layout

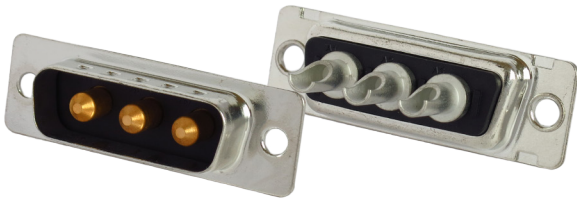
	Full Layout	Mixed Layout
Size 1(E)	<div> 2W2</div> <div> 2WK2</div>	<div> 5W1</div>
Size 2(A)	<div> 3W3</div> <div> 3WK3</div>	<div> 7W2</div> <div> 11W1</div>
Size 3(B)	<div> 5W5</div>	<div> 9W4</div> <div> 13W3</div> <div> 17W2</div> <div> 21W1</div>
Size 4(C)	<div> 8W8</div>	<div> 13W6</div> <div> 17W5</div> <div> 25W3</div> <div> 27W2</div> <div> 21W4</div>
Size 5(D)		<div> 24W7</div> <div> 36W4</div> <div> 43W2</div> <div> 47W1</div>

KP

Power D-Sub Full Layout KP Series

Solder cup

Male

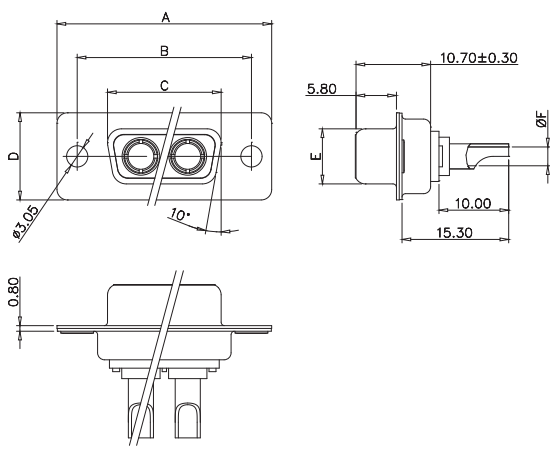
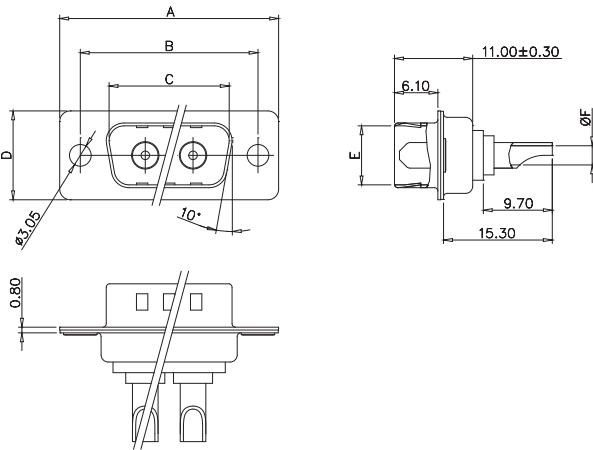


Female



KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.7
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.5
4(C)	69.40	63.50	55.40	12.50	8.30	40A	4.6

Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.7
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.5
4(C)	69.40	63.50	54.80	12.50	7.90	40A	4.6

Part Number Code

Series:
KP = Power D-Sub

Terminal type:
S = Solder cup

Current rating:
1 = 10A 2 = 20A 3 = 30A 4 = 40A

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
2W2 2WK2 3W3 3WK3 5W5 8W8

Mounting*:
A1 = Mounting hole
B1 = B1 with 4-40 UNC
B6 = B6 with M3
See mounting drawings below for more details

Insulator color:
B = Black

Shell plating*:
T = Tin (standard) N = Nickel

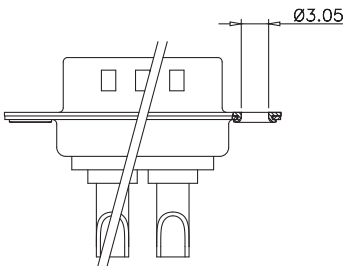
Gender:
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

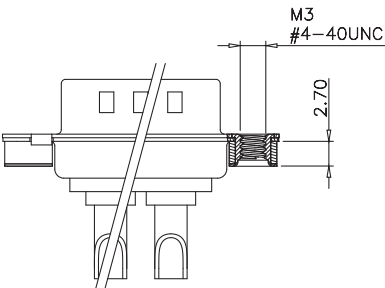
Power D-Sub Full Layout KP Series

Solder cup
Mounting

A1



B1/B6



KP



Power D-Sub Full Layout KP Series

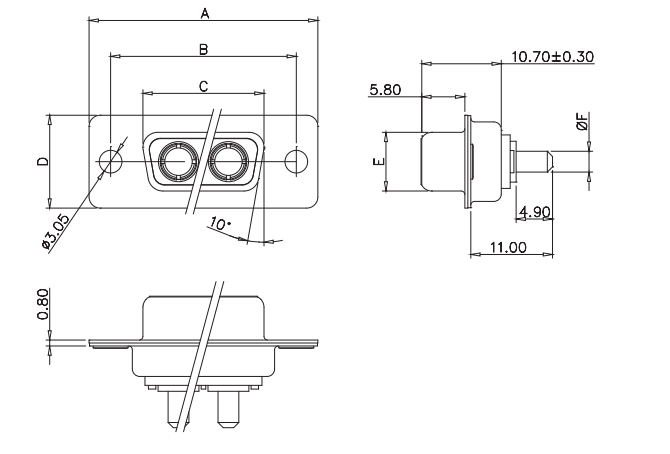
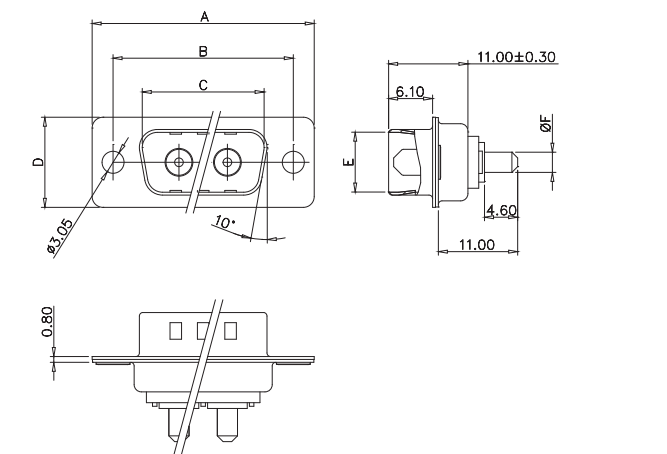
Straight PCB solder

Male

Female

KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.8
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.2
4(C)	69.40	63.50	55.40	12.50	8.30	40A	3.75

Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.8
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.2
4(C)	69.40	63.50	54.80	12.50	7.90	40A	3.75

Part Number Code

Series:
KP = Power D-Sub

Terminal type:
T = Straight PCB solder

Current rating:
1 = 10A 2 = 20A 3 = 30A 4 = 40A

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
2W2 2WK2 3W3 3WK3 5W5 8W8

Series: KP **T** **2** **4** **3W3** **M** **T** **B**

C1 Mounting*:
A1 = A1 No threads B8 = B8 with M3
B1 = B1 with 4-40 UNC C1 = C1 with 4-40 UNC
B2 = B2 with 4-40 UNC C2 = C2 with 4-40 UNC
B3 = B3 with 4-40 UNC C6 = C6 with M3
B6 = B6 with M3 C7 = C7 with M3
B7 = B7 with M3
See mounting drawings below for more details

Insulator color:
B = Black

Shell plating*:
T = Tin (standard) N = Nickel

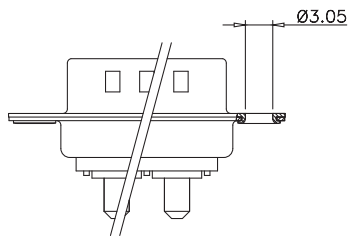
Gender:
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

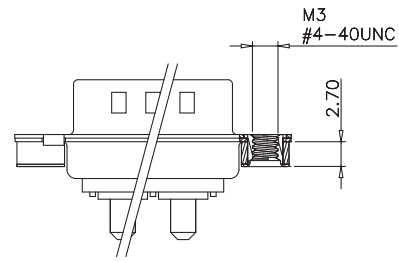
Power D-Sub Full Layout KP Series

Straight PCB solder
Mounting

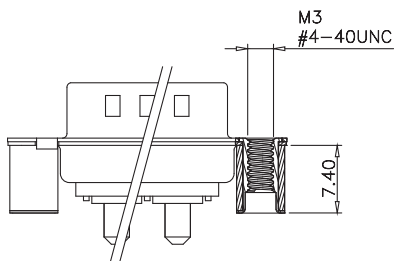
A1



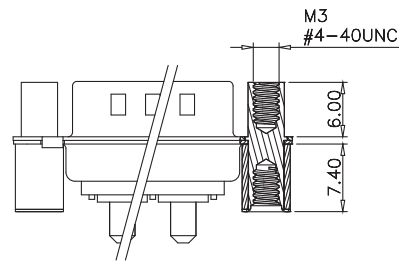
B1/B6



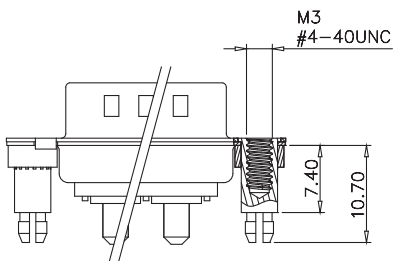
B2/B7



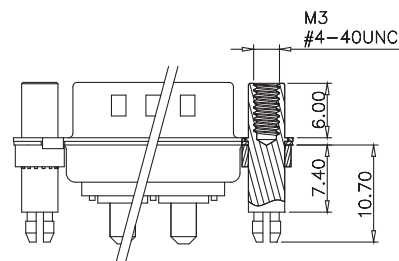
B3/B8



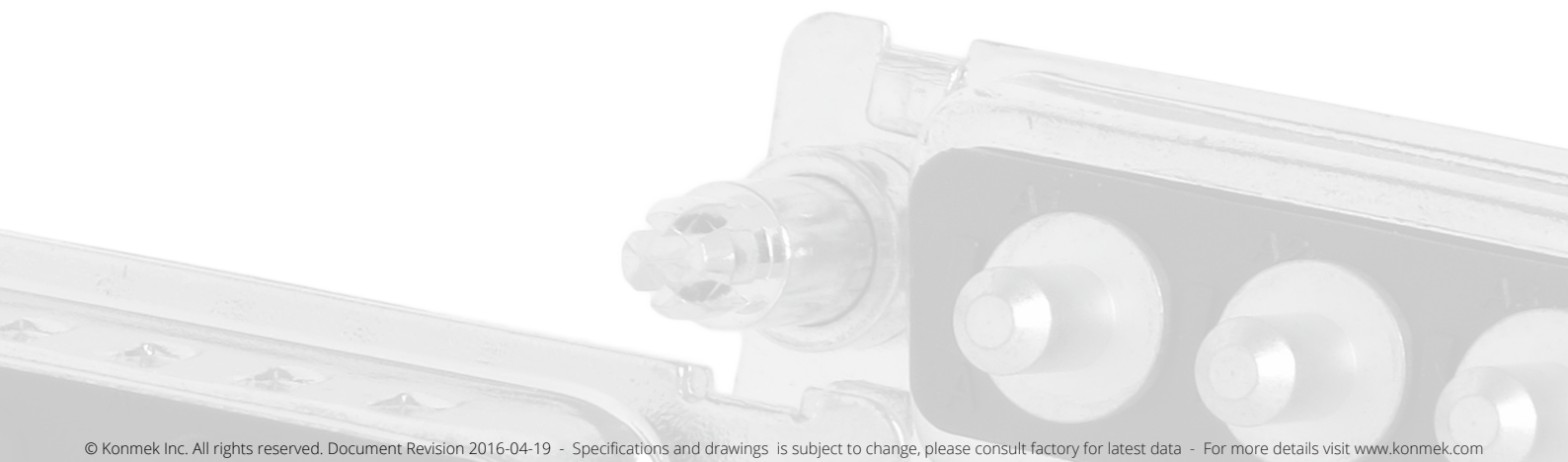
C1/C6



C2/C7



KP

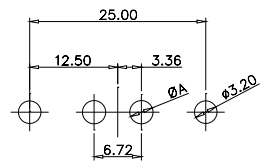


Power D-Sub Full Layout KP Series

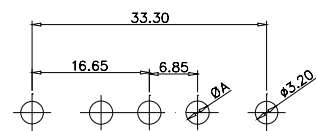
Straight PCB solder
PCB Layout for Male and Female connector

KP

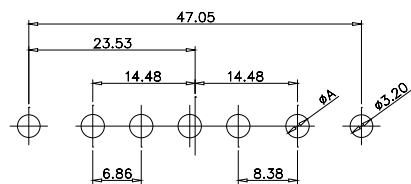
2W2 / 2WK2



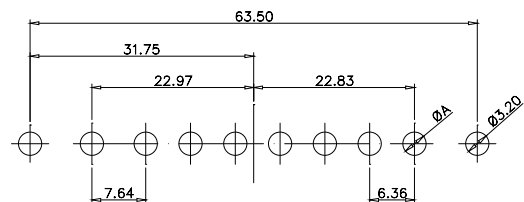
3W3 / 3WK3



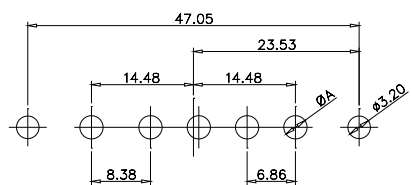
5W5 Male



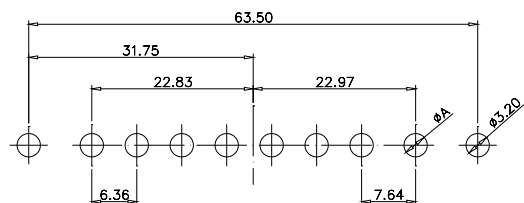
8W8 Male



5W5 Female



8W8 Female



Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

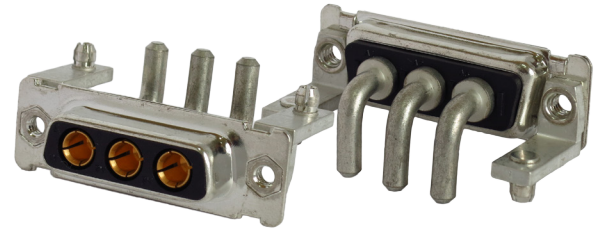
Power D-Sub Full Layout KP Series

R/A PCB solder

Male

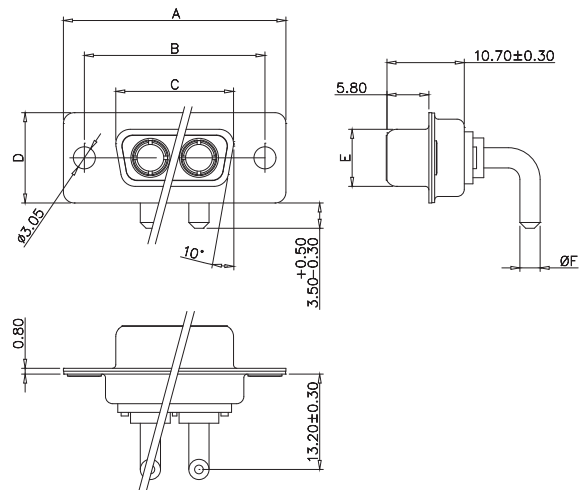
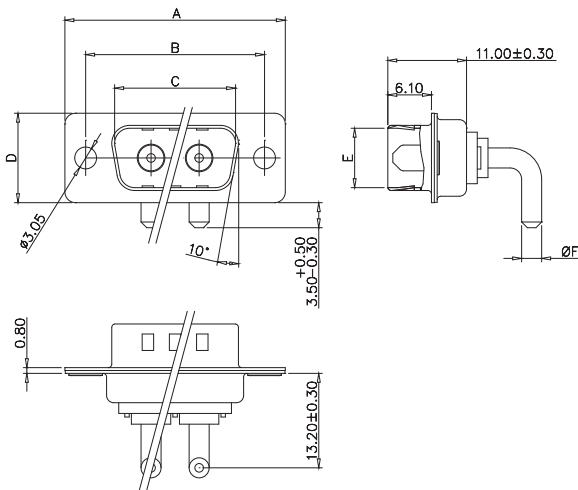


Female



KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.8
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.2
4(C)	69.40	63.50	55.40	12.50	8.30	40A	3.75

Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.8
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.2
4(C)	69.40	63.50	54.80	12.50	7.90	40A	3.75

Part Number Code

Series: KP R 2 4 -3W3 M T B
KP = Power D-Sub
Terminal type:
R = R/A PCB solder
Current rating:
1 = 10A **2** = 20A **3** = 30A **4** = 40A
Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1
Layout:
2W2 2WK2 3W3 3WK3 5W5 8W8

D1 Mounting*:
A1 = A1 No threads **D4** = D4 with 4-40 UNC
B1 = B1 with 4-40 UNC **D6** = D6 with M3
B6 = B6 with M3 **D7** = D7 with M3
D1 = D1 with 4-40 UNC **D8** = D8 with M3
D2 = D2 with 4-40 UNC **D9** = D9 with M3
D3 = D3 with 4-40 UNC
 See mounting drawings below for more details

Insulator color:

B = Black

Shell plating*:

T = Tin (standard)

N = Nickel

Gender:

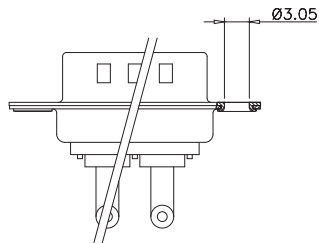
M = Male **F** = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

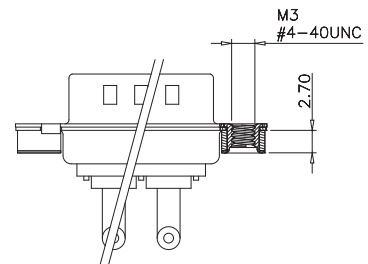
Power D-Sub Full Layout KP Series

R/A PCB solder
Mounting

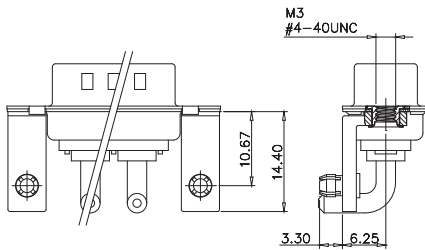
A1



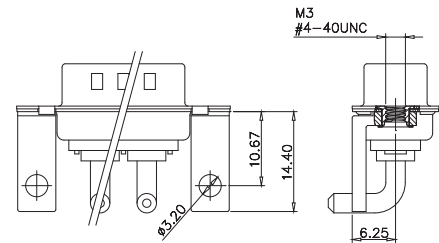
B1/B6



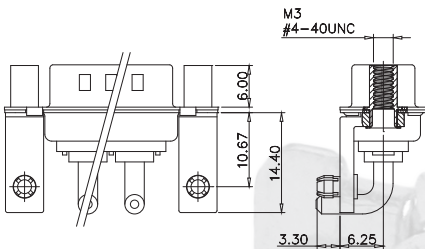
D1/D6



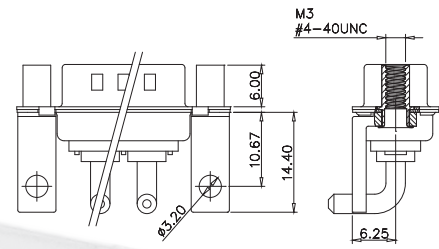
D2/D7



D3/D8



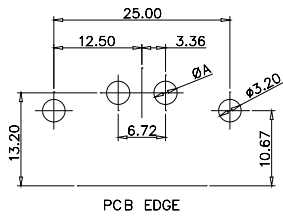
D4/D9



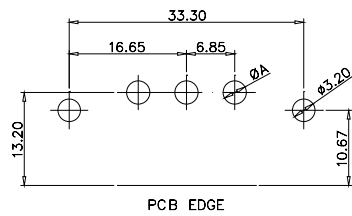
Power D-Sub Full Layout KP Series

R/A PCB solder
PCB Layout

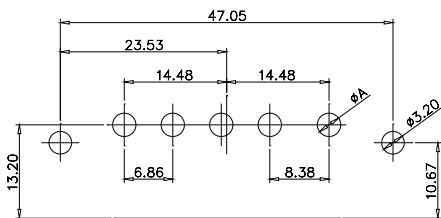
2W2 / 2WK2



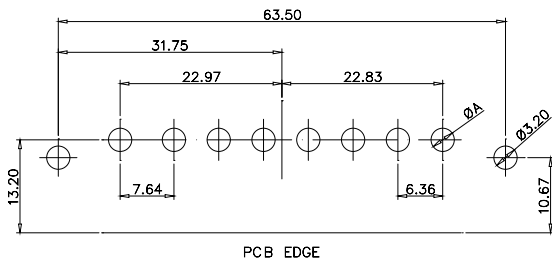
3W3 / 3WK3



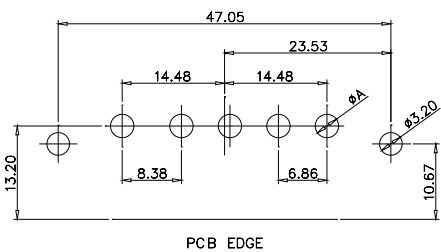
5W5 Male



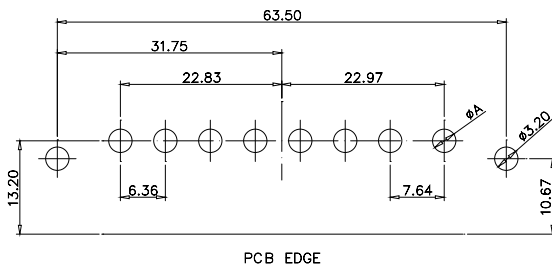
8W8 Male



5W5 Female



8W8 Female



Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

Power D-Sub Mixed Layout KP Series

Solder cup

Male

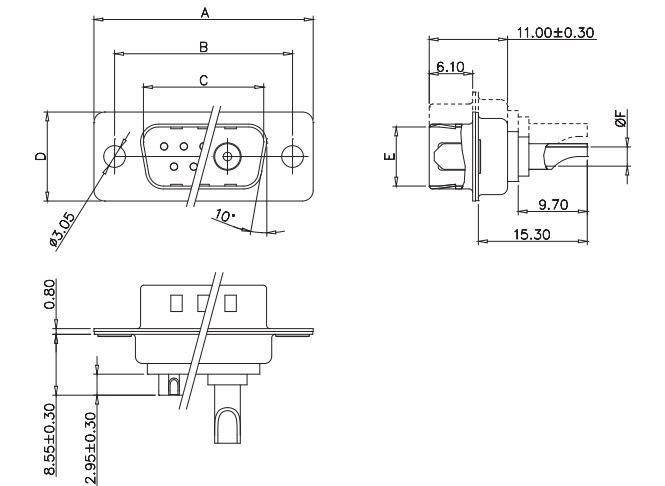


Female

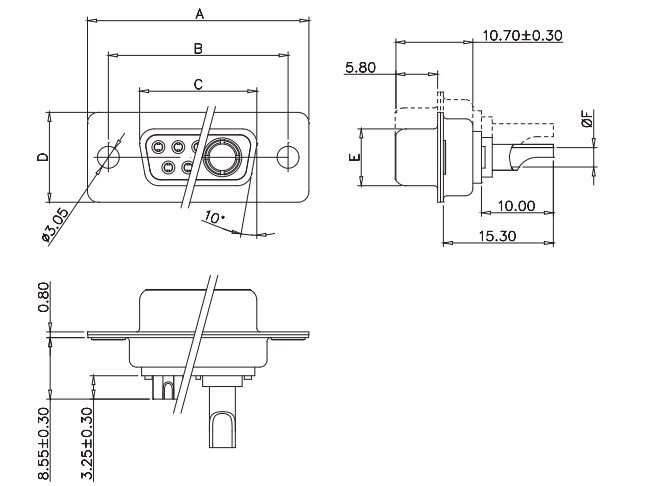


KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.7
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.5
4(C)	69.40	63.50	55.40	12.50	8.30	40A	4.6
5(D)	67.00	61.00	52.80	15.30	11.15		



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.7
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.5
4(C)	69.40	63.50	54.80	12.50	7.90	40A	4.6
5(D)	67.00	61.00	52.20	15.30	10.90		

Part Number Code

Series:
KP = Power D-Sub

Terminal type:
S = Solder cup

Current rating:
1 = 10A 2 = 20A 3 = 30A 4 = 40A

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

Mounting*:
A1 = Mounting hole
B1 = B1 with 4-40 UNC
B6 = B6 with M3
See mounting drawings below for more details

Insulator color:
B = Black

Shell plating*:
T = Tin (standard) N = Nickel

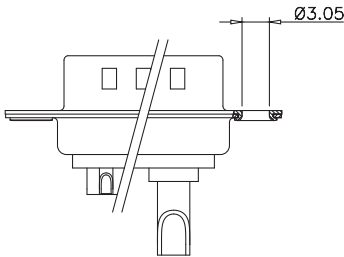
Gender:
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

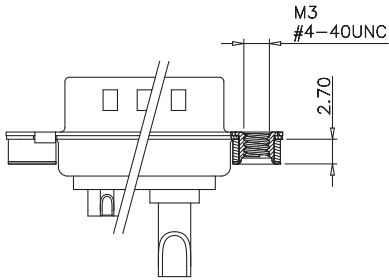
Power D-Sub Mixed Layout KP Series

Solder cup
Mounting

A1



B1/B6



KP

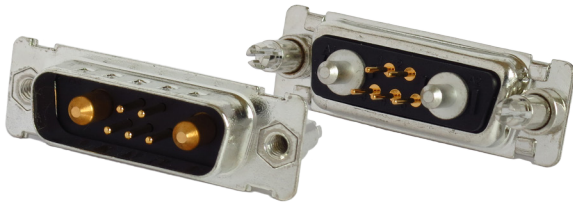


Power D-Sub Mixed Layout KP Series

Straight PCB solder

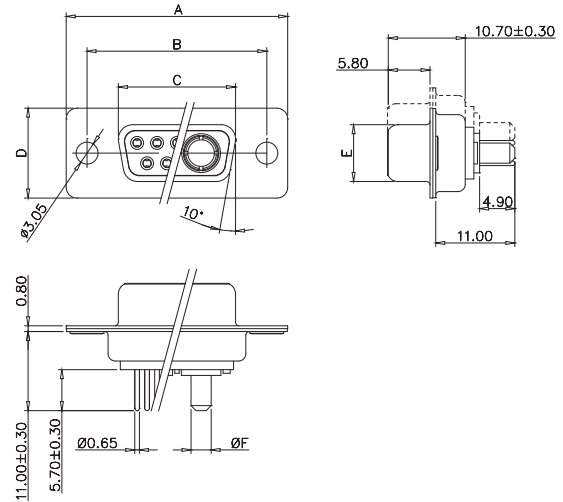
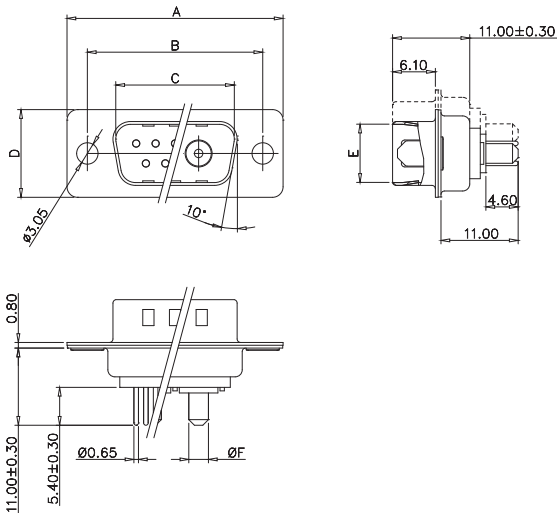
Male

Female



KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.8
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.2
4(C)	69.40	63.50	55.40	12.50	8.30	40A	3.75
5(D)	67.00	61.00	52.80	15.30	11.15		

Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.8
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.2
4(C)	69.40	63.50	54.80	12.50	7.90	40A	3.75
5(D)	67.00	61.00	52.20	15.30	10.90		

Part Number Code

Series: KP T 2 4 -7W2 M

Terminal type:
T = Straight PCB solder

Current rating:
1 = 10A 2 = 20A 3 = 30A 4 = 40A

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

C1 Mounting*:
A1 = A1 No threads B8 = B8 with M3
B1 = B1 with 4-40 UNC C1 = C1 with 4-40 UNC
B2 = B2 with 4-40 UNC C2 = C2 with 4-40 UNC
B3 = B3 with 4-40 UNC C6 = C6 with M3
B6 = B6 with M3 C7 = C7 with M3
B7 = B7 with M3
See mounting drawings below for more details

Insulator color:
B = Black

Shell plating*:
T = Tin (standard) N = Nickel

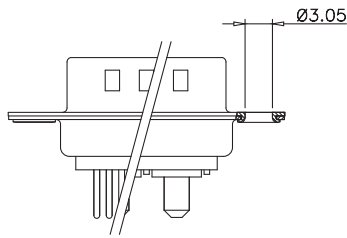
Gender:
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

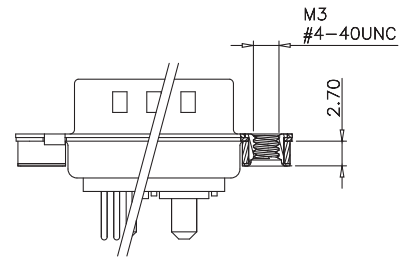
Power D-Sub Mixed Layout KP Series

Straight PCB solder
Mounting

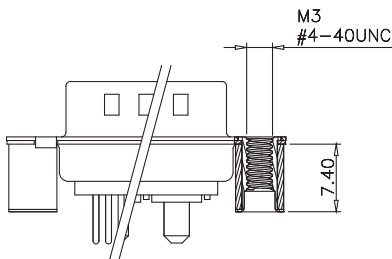
A1



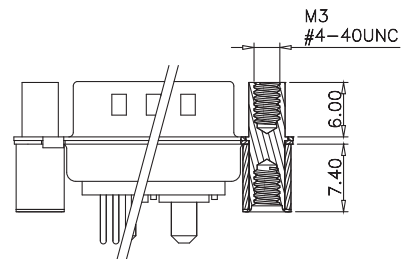
B1/B6



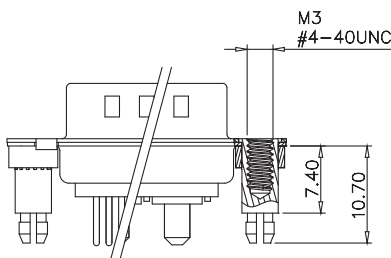
B2/B7



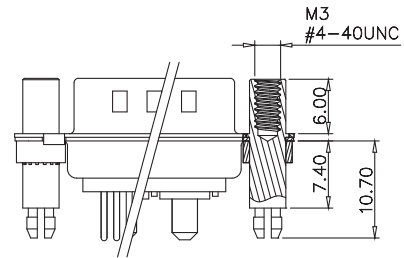
B3/B8



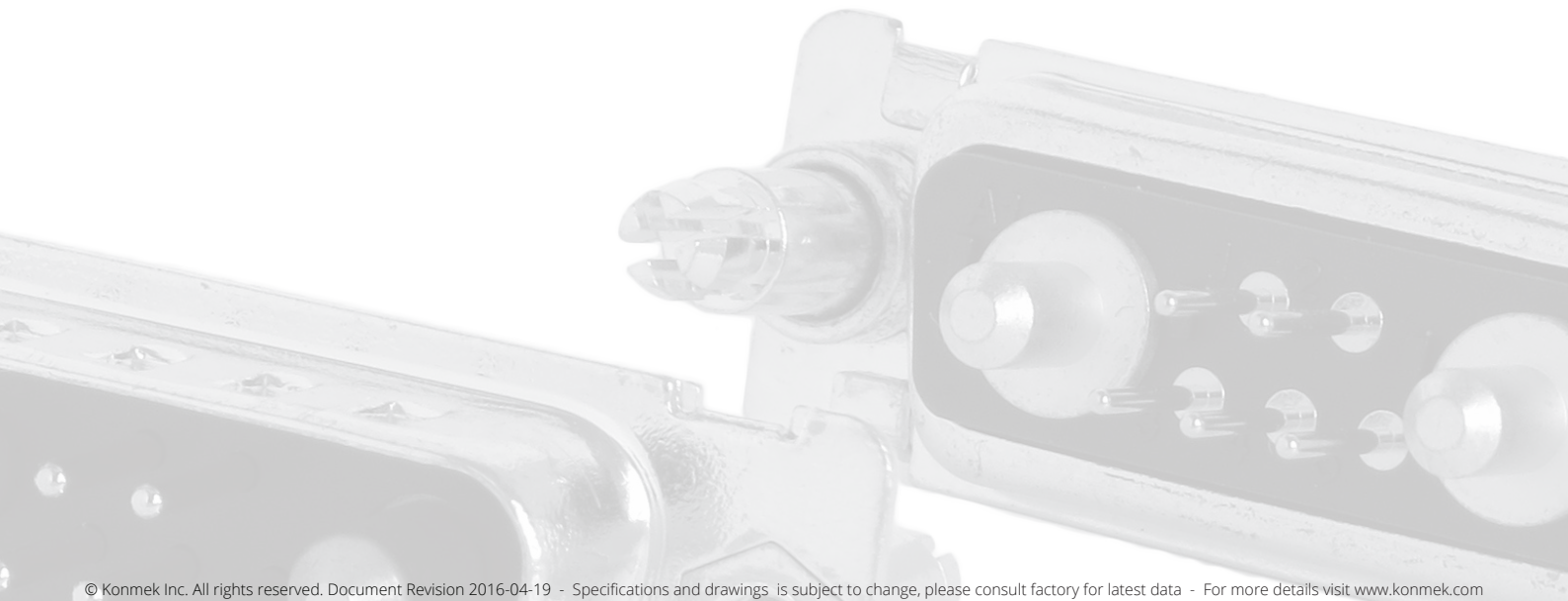
C1/C6



C2/C7



KP

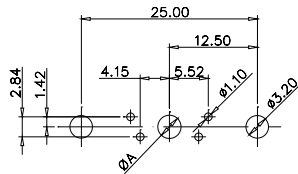


Power D-Sub Mixed Layout KP Series

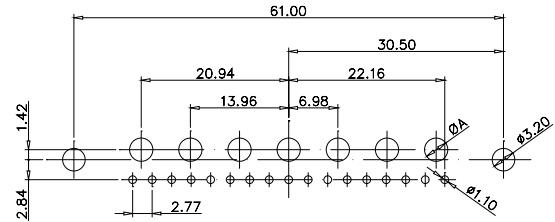
Straight PCB solder

PCB Layout for Male and Female connector

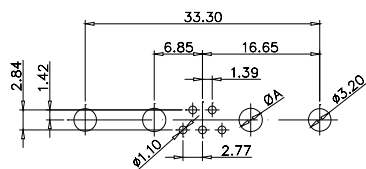
5W1 Male/Female



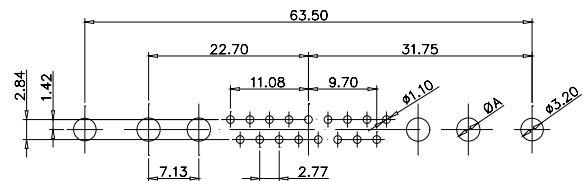
24W7 Male/Female



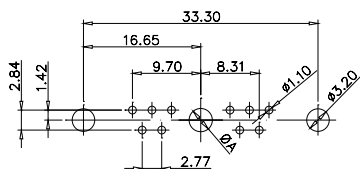
7W2 Male/Female



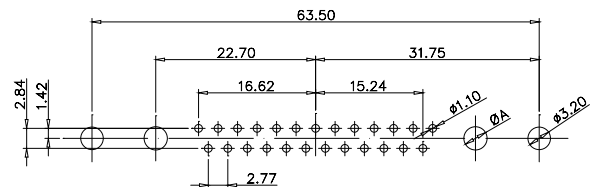
21W4 Male/Female



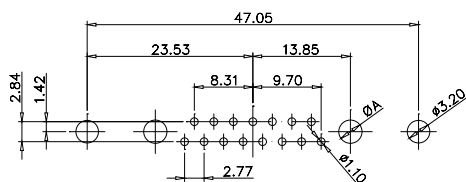
11W1 Male/Female



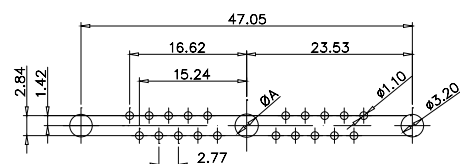
27W2 Male/Female



17W2 Male/Female



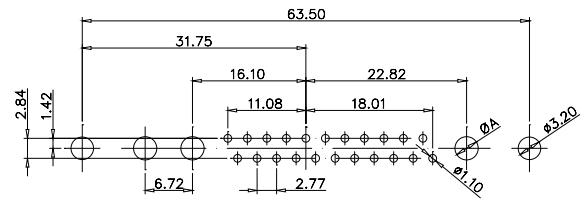
21W1 Male/Female



Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

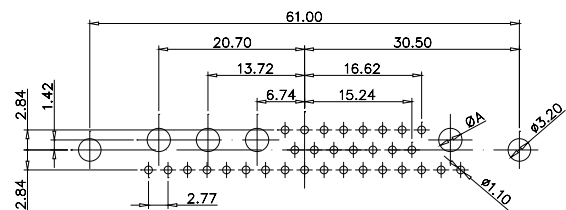
PCB Layout for Male connector

25W3 Male

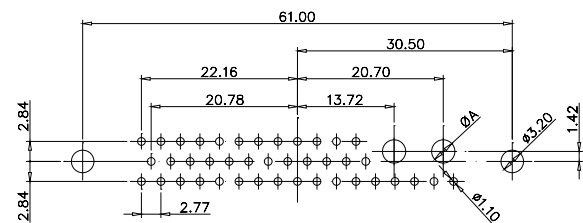


KP

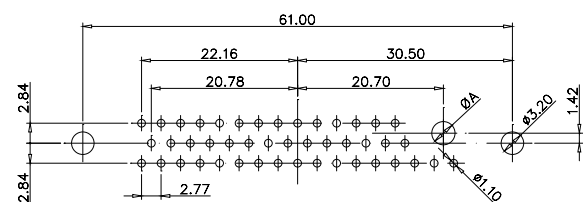
36W4 Male



43W2 Male



47W1 Male



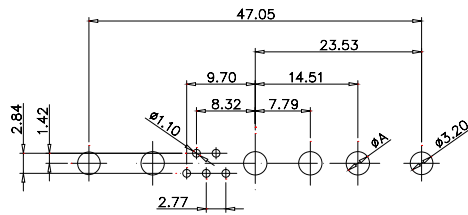
Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

Power D-Sub Mixed Layout KP Series

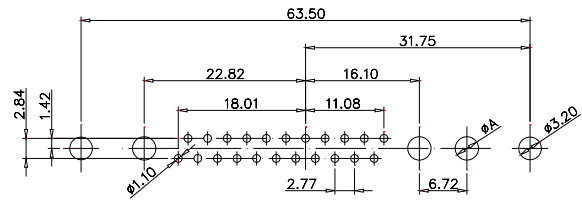
Straight PCB solder

PCB Layout for Female connector

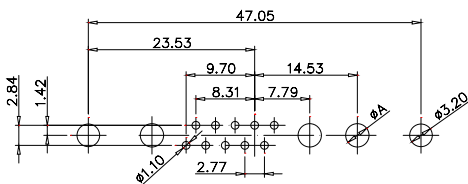
9W4 Female



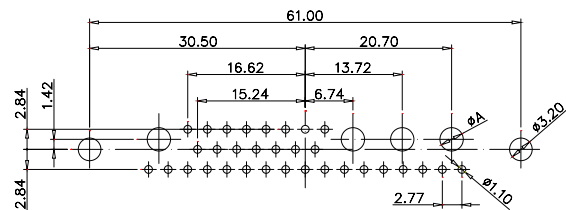
25W3 Female



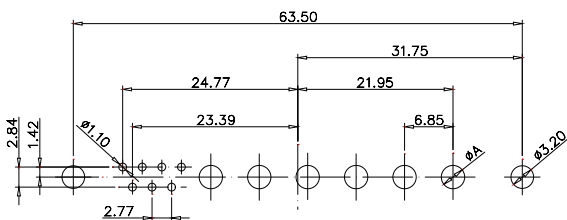
13W3 Female



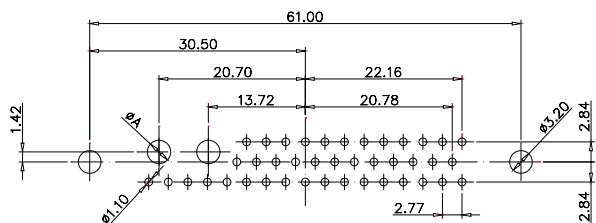
36W4 Female



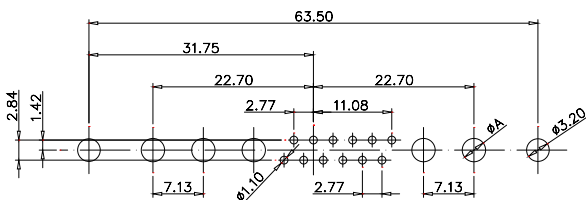
13W6 Female



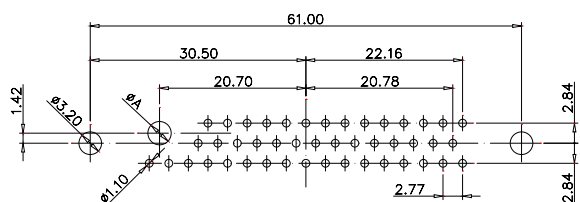
43W2 Female



17W5 Female



47W1 Female

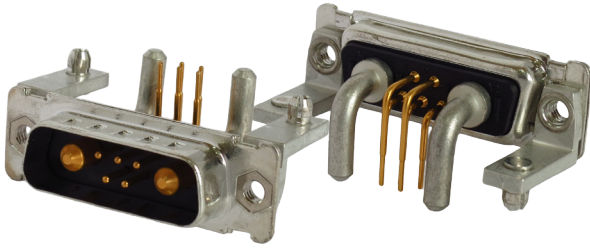


Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

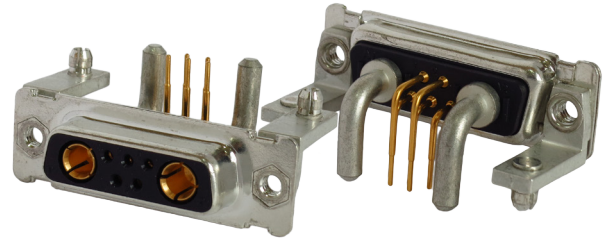
Power D-Sub Mixed Layout KP Series

R/A PCB solder

Male

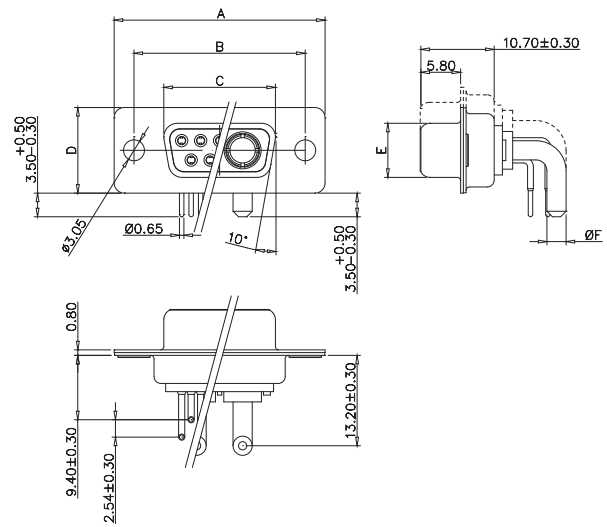
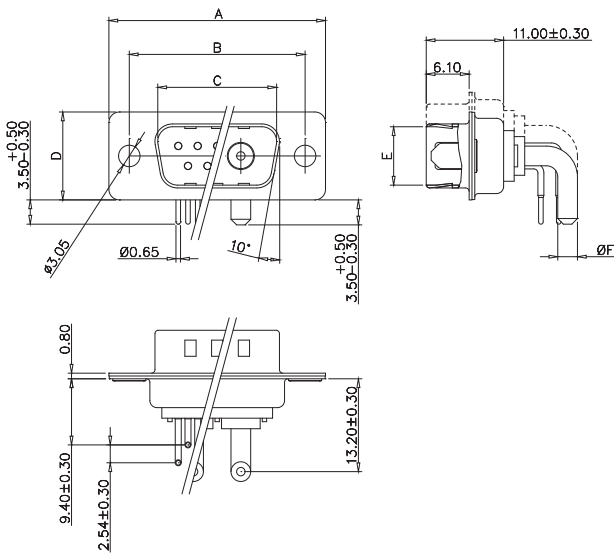


Female



KP

Drawing



Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.90	12.50	8.30	10A	1.7
2(A)	39.20	33.30	25.25	12.50	8.30	20A	2.8
3(B)	53.05	47.05	38.95	12.50	8.30	30A	3.2
4(C)	69.40	63.50	55.40	12.50	8.30	40A	3.75
5(D)	67.00	61.00	52.80	15.30	11.15		

Size	A	B	C	D	E	Rating	Ø F
1(E)	30.80	25.00	16.30	12.50	7.90	10A	1.7
2(A)	39.20	33.30	24.60	12.50	7.90	20A	2.8
3(B)	53.05	47.05	38.40	12.50	7.90	30A	3.2
4(C)	69.40	63.50	54.80	12.50	7.90	40A	3.75
5(D)	67.00	61.00	52.20	15.30	10.90		

Part Number Code

Series:

KP = Power D-Sub

KP

R

2

4

-7W2

M

T

B

Terminal type:

R = R/A PCB solder

Current rating:

1 = 10A 2 = 20A 3 = 30A 4 = 40A

Contact plating*:

4 = Quality Class 3 (standard)

3 = Quality Class 1

Layout:

5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

D1 Mounting*:

A1 = A1 No threads

B1 = B1 with 4-40 UNC

B6 = B6 with M3

D1 = D1 with 4-40 UNC

D2 = D2 with 4-40 UNC

D3 = D3 with 4-40 UNC

D4 = D4 with 4-40 UNC

D6 = D6 with M3

D7 = D7 with M3

D8 = D8 with M3

D9 = D9 with M3

See mounting drawings below for more details

Insulator color:

B = Black

Shell plating*:

T = Tin (standard)

N = Nickel

Gender:

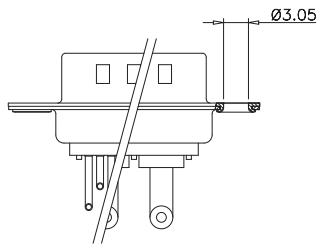
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

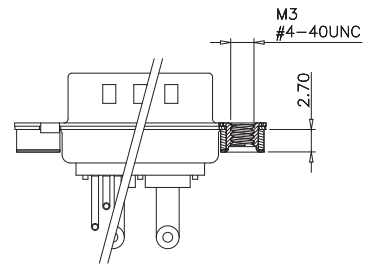
Power D-Sub Mixed Layout KP Series

R/A PCB solder
Mounting

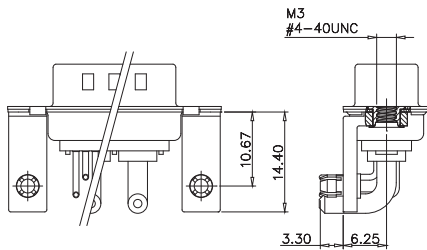
A1



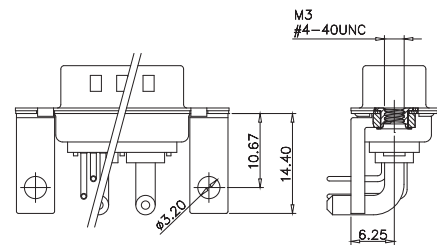
B1/B6



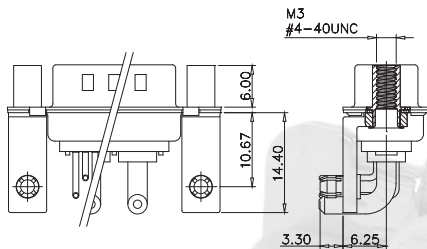
D1/D6



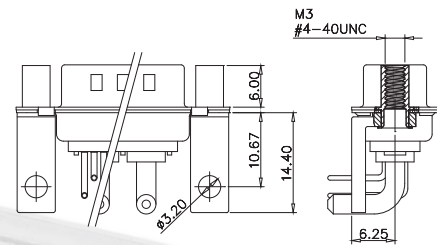
D2/D7



D3/D8



D4/D9

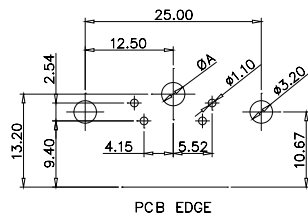


KP

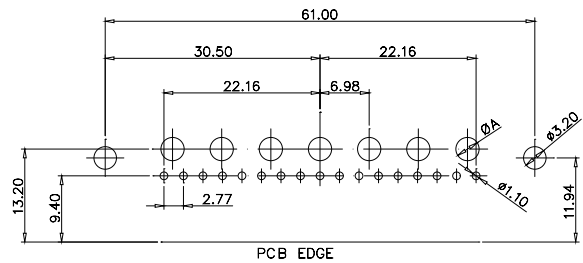
R/A PCB solder

PCB Layout for Male and Female connector

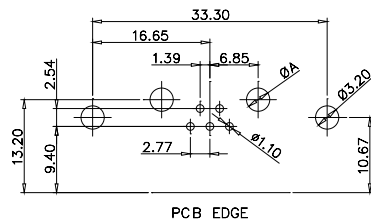
5W1 Male/Female



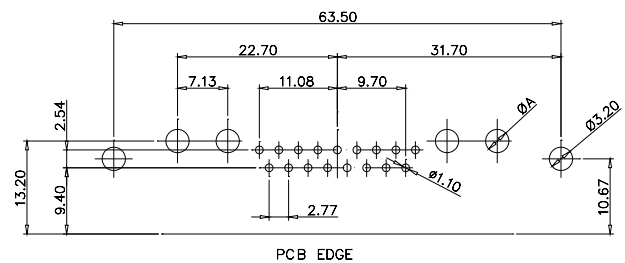
24W7 Male/Female



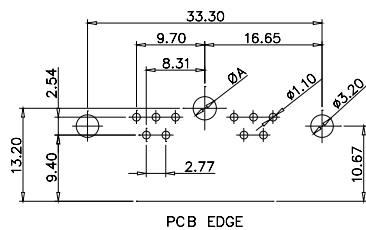
7W2 Male/Female



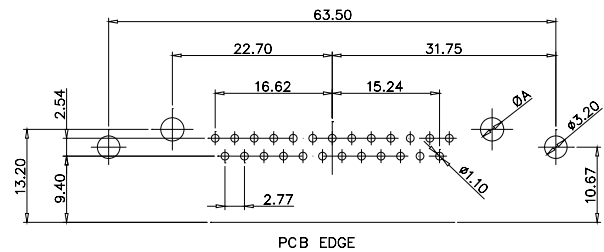
21W4 Male/Female



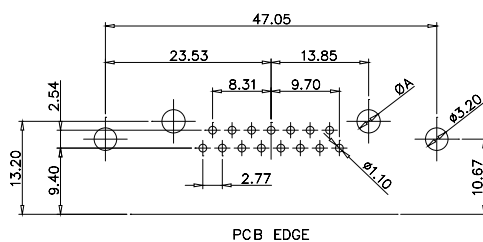
11W1 Male/Female



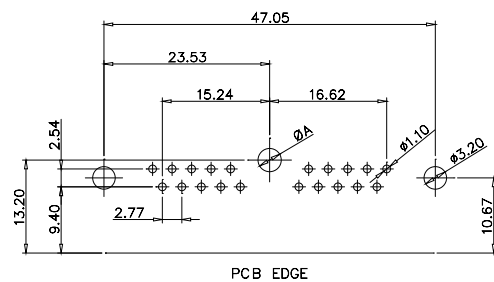
27W2 Male/Female



17W2 Male/Female



21W1 Male/Female



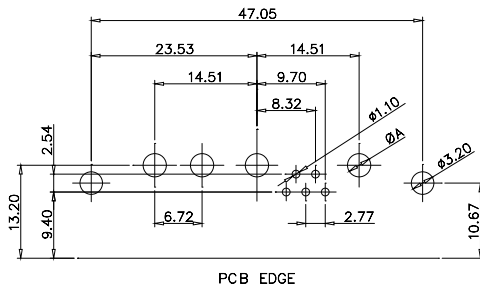
Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

Power D-Sub Mixed Layout KP Series

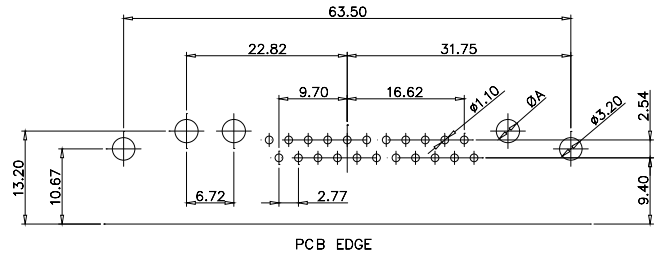
R/A PCB solder

PCB Layout for Male connector

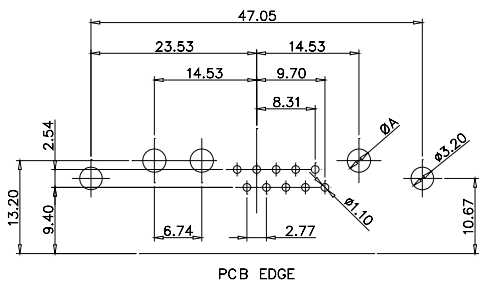
9W4 Male



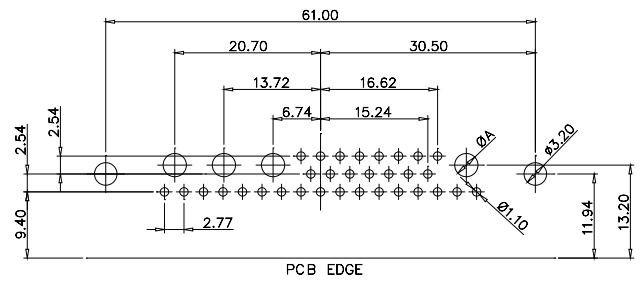
25W3 Male



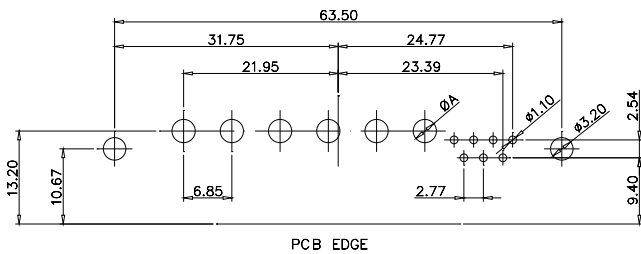
13W3 Male



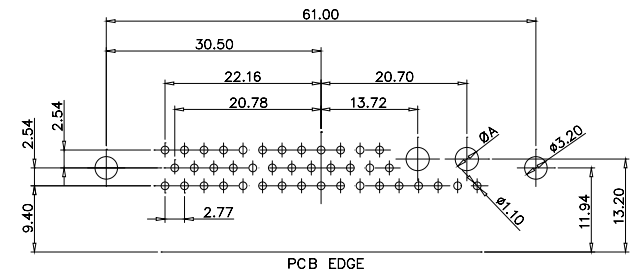
36W4 Male



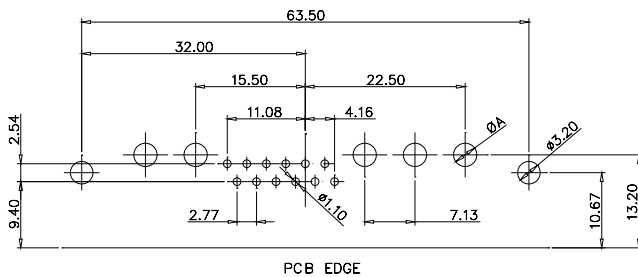
13W6 Male



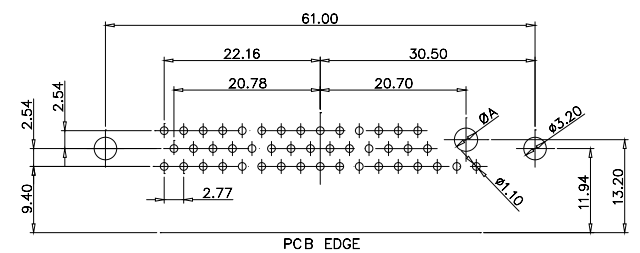
43W2 Male



17W5 Male



47W1 Male



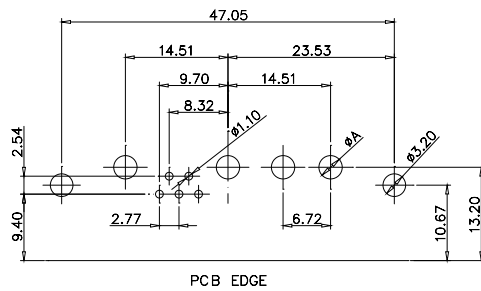
Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

Power D-Sub Mixed Layout KP Series

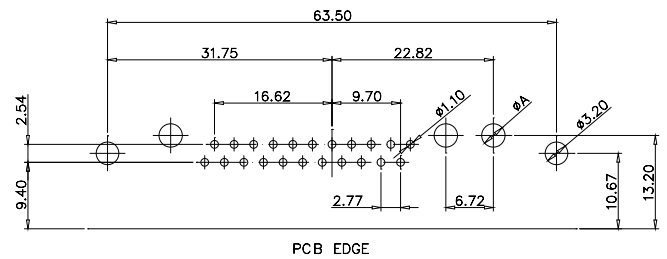
R/A PCB solder

PCB Layout for Female connector

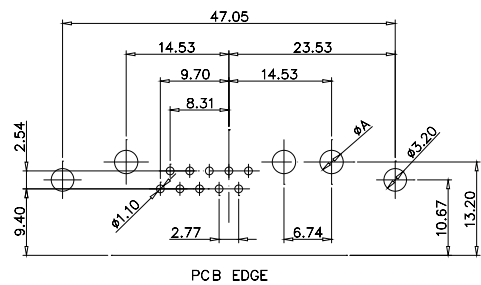
9W4 Female



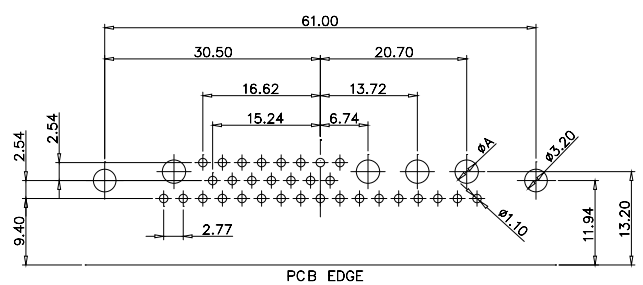
25W3 Female



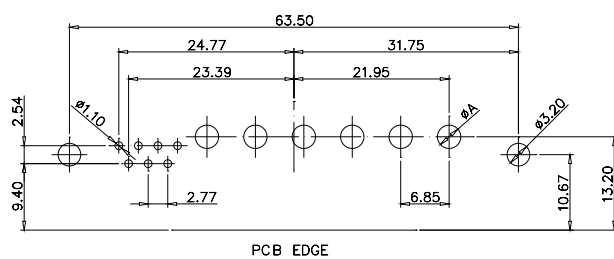
13W3 Female



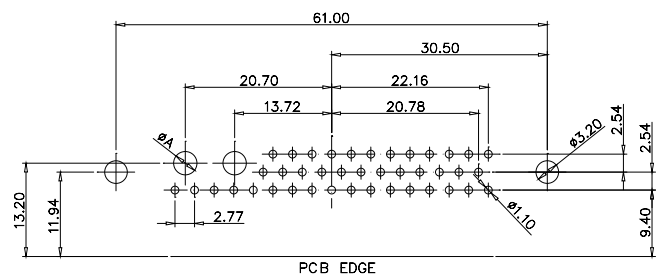
36W4 Female



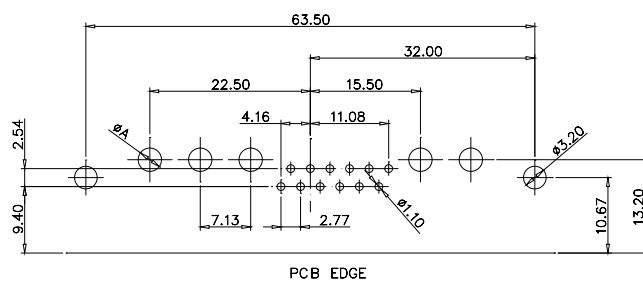
13W6 Female



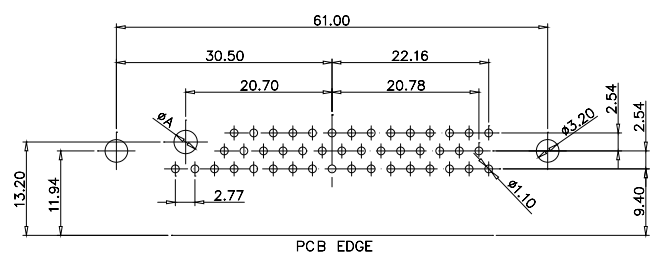
43W2 Female



17W5 Female

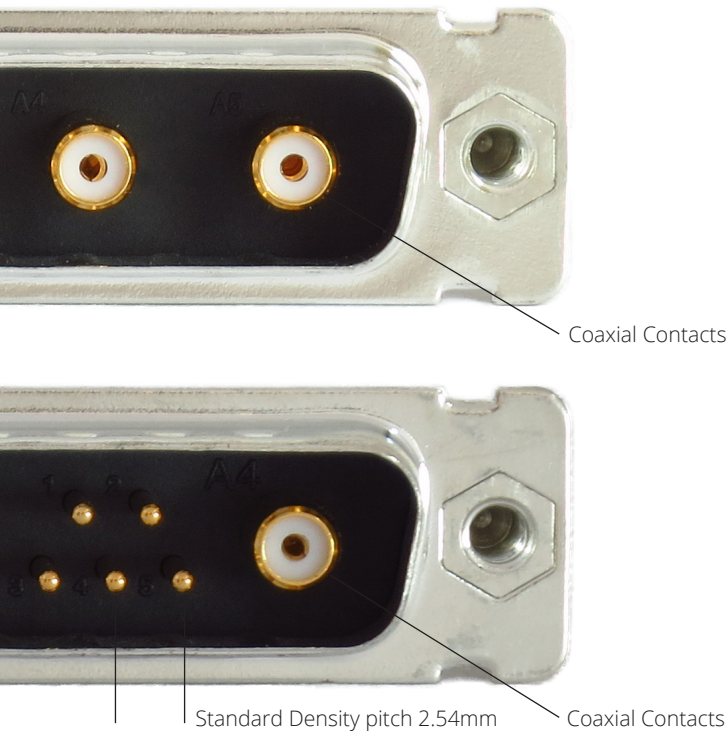


47W1 Female



Current Rating	10A	20A	30A	40A
Ø A (mm)	2.2	3.3	3.7	4.2

Coaxial D-Sub



Coaxial D-Sub Full Layout



The Coaxial D-Sub have like the Power D-Subr replaced the two rows in a Standard Density connector with a coaxial contact that take up about the same size as the two rows of signal contacts. The Coaxial D-Sub is exactly the same size as the Standard Density connector but instead of example 9 positions of signal pins it has 2 power contacts , or instead of 37 positions of signals it has 8 coaxial contacts.

KC

Coaxial D-Sub Mixed Layout

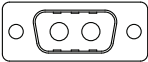
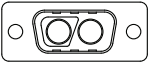
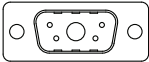
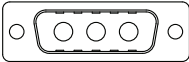
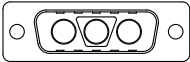
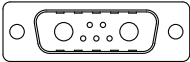
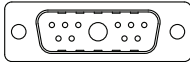
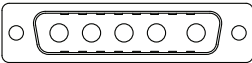
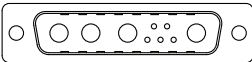
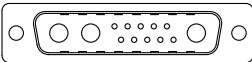
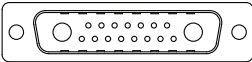
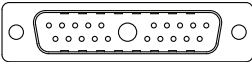
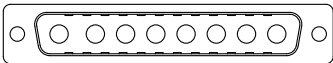
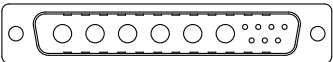
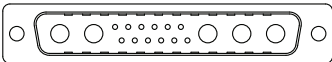
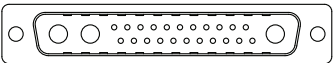
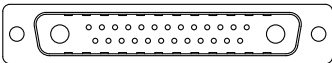
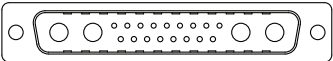
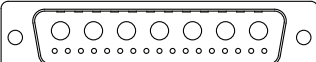
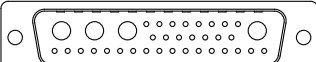
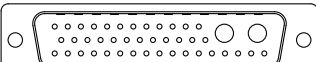
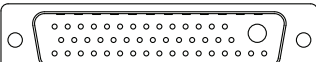
The Coaxial D-Sub with Mixed Layout mixes both coaxial contacts and signal contacts in the same connector. For example the same size as a 15 position Standard Density D-Sub you can have what we call a 7W2, which means there is 7 contacts where 2 of them are coaxial contacts, which means there are 5 signal contacts, so 5 signals and 2 coaxial. See the Layout in the Tech Specs on the bottom, there are a lot of combinations of the Mixed Layout alternative.

Tech Spec

	Full Layout	Mixed Layout
Material Data		
Insulator	Polyester GF UL94V-0	
Insulator color		
Contacts	Precision machined copper alloy	
Contact plating	Hard Gold plated over Nickel	
Shell	Steel, dimples on Male shell	
Shell plating	Tin plated over Nickel or Nickel plating	
Electrical Data		
Working Voltage	125 V	
Dielectric strenght / Test Voltage	Contact - contact 1000 V r.m.s.	
Coaxial contact impedance	50Ω and 75Ω	
Coaxial contact resistance	< 1mΩ	
Signal contact current rating	-	5.0 A
Signal contact resistance	-	< 10mΩ
Insulation resistance	>5GΩ	
Mechanical Data		
Creepage distance	-	1.0mm
Operating Temperature	Temp -55°C to +125°C	
Quality Class	Quality Class 1 = 500 Mating Cycles, 30μ" (0.8μm) Gold over Nickel) Quality Class 3 = 50 Mating Cycles 8μ" (0.2μm) Gold over Nickel For other plating alternatives contact factory	

Coaxial D-Sub

Layout

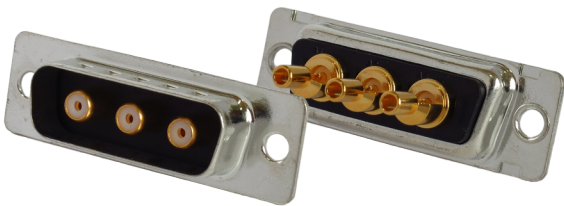
	Full Layout	Mixed Layout
Size 1(E)	 2W2  2WK2	 5W1
Size 2(A)	 3W3  3WK3	 7W2  11W1
Size 3(B)	 5W5	 9W4  13W3  17W2  21W1
Size 4(C)	 8W8	 13W6  17W5  25W3  27W2  21W4
Size 5(D)		 24W7  36W4  43W2  47W1

KC

Coaxial D-Sub Full Layout KC Series

Solder cup

Male



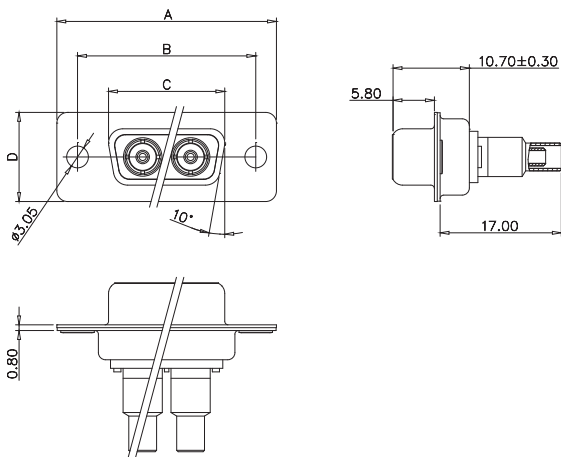
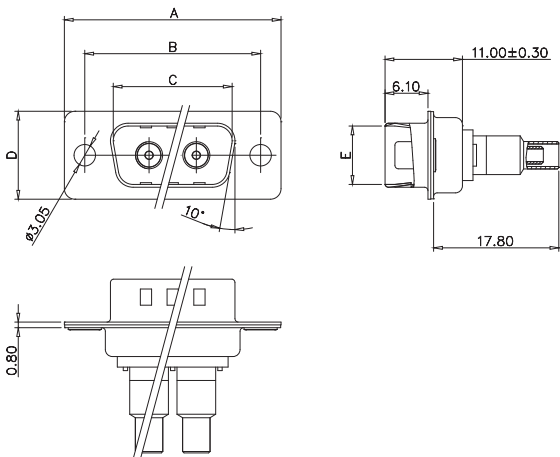
Female



KC

Note: Solder cup coaxial contacts not inserted when shipped

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90

Part Number Code

Series:
 KC = Coaxial D-Sub

Terminal type:
 S = Solder cup

Impedance:
 5 = 50Ω 7 = 75Ω

Contact plating*:
 4 = Quality Class 3 (standard)
 3 = Quality Class 1

Layout:
 2W2 2WK2 3W3 3WK3 5W5 8W8

Series: KC **Terminal type:** S **Impedance:** 5 **Contact plating*:** 4 **Layout:** 3W3 **Gender:** M **Insulator color:** T **Shell plating*:** B

A1 Mounting*:
 A1 = Mounting hole
 B1 = B1 with 4-40 UNC
 B6 = B6 with M3
 See mounting drawings below for more details

Insulator color:
 B = Black

Shell plating*:
 T = Tin (standard) N = Nickel

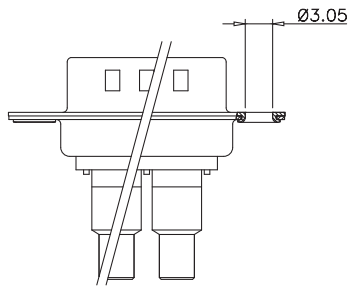
Gender:
 M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

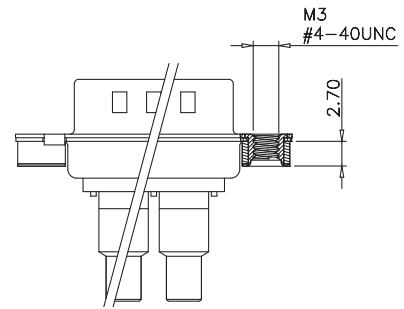
Coaxial D-Sub Full Layout KC Series

Solder cup
Mounting

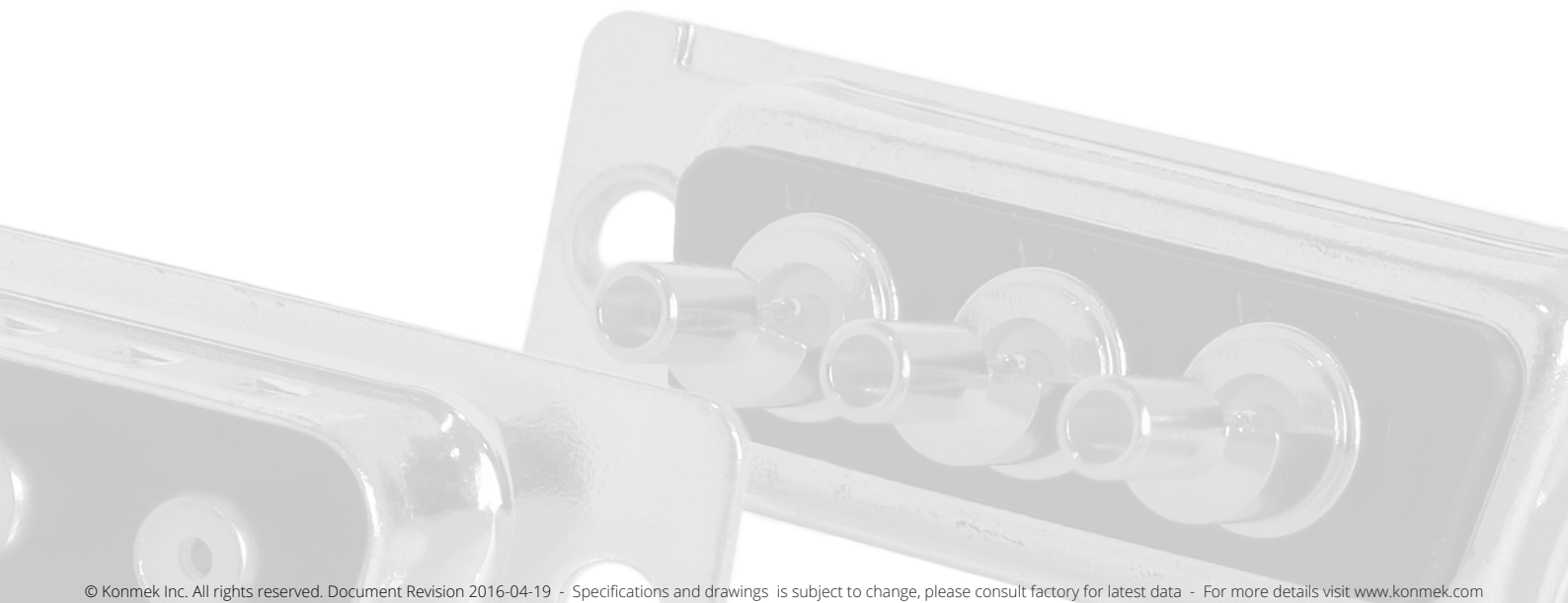
A1



B1/B6



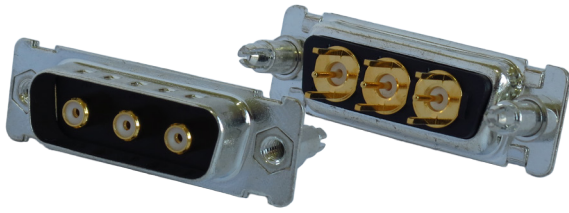
KC



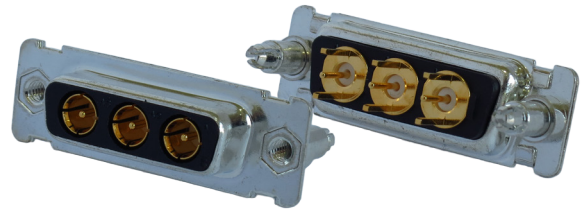
Coaxial D-Sub Full Layout KC Series

Straight PCB solder

Male

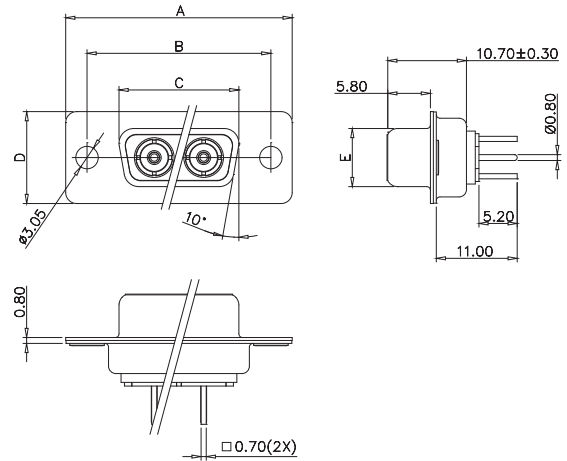
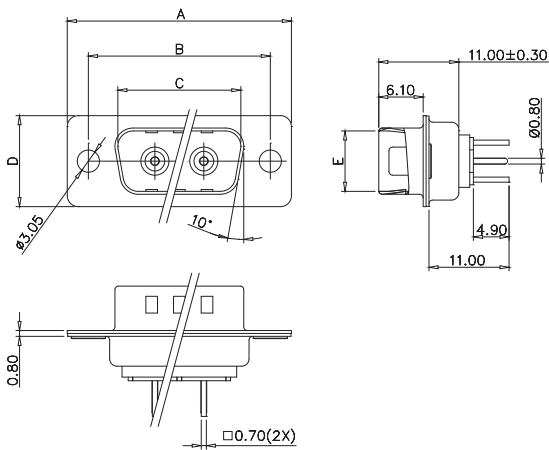


Female



KC

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90

Part Number Code

Series:

KC = Coaxial D-Sub

KC

T

5

4

3W3

M

T

B

Terminal type:

T = Straight PCB solder

Impedance:

5 = 50Ω 7 = 75Ω

Contact plating*:

4 = Quality Class 3 (standard)

3 = Quality Class 1

Layout:

2W2 2WK2 3W3 3WK3 5W5 8W8

C1 Mounting*:

A1 = A1 No threads

B1 = B1 with 4-40 UNC

B2 = B2 with 4-40 UNC

B3 = B3 with 4-40 UNC

B6 = B6 with M3

B7 = B7 with M3

B8 = B8 with M3

C1 = C1 with 4-40 UNC

C2 = C2 with 4-40 UNC

C6 = C6 with M3

C7 = C7 with M3

See mounting drawings below for more details

Insulator color:

B = Black

Shell plating*:

T = Tin (standard)

N = Nickel

Gender:

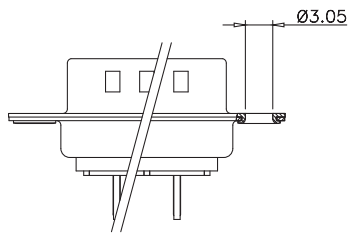
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

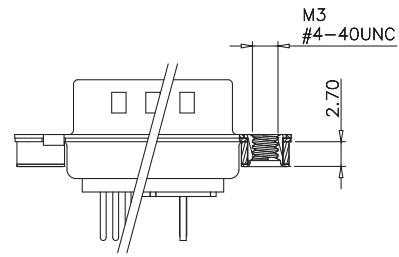
Coaxial D-Sub Full Layout KC Series

Straight PCB solder
Mounting

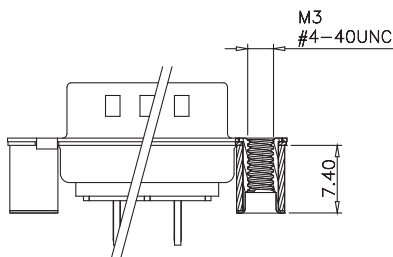
A1



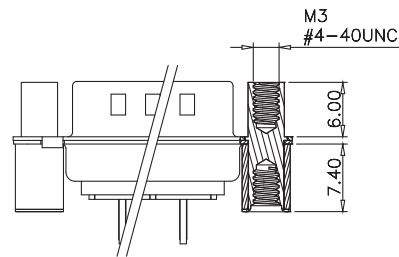
B1/B6



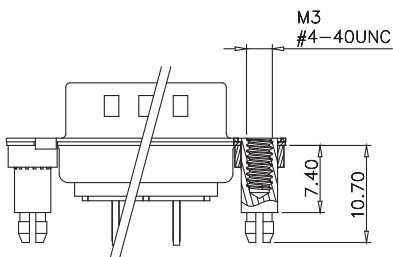
B2/B7



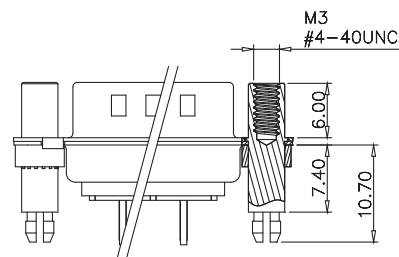
B3/B8



C1/C6



C2/C7



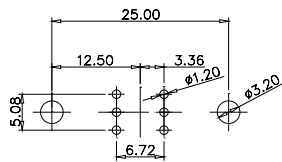
KC

Coaxial D-Sub Full Layout KC Series

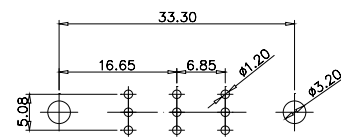
Straight PCB solder

PCB Layout for Male and Female connector

2W2 / 2WK2

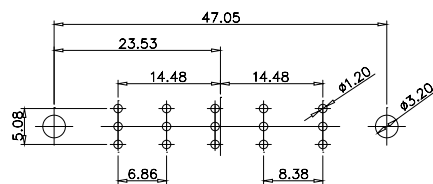


3W3 / 3WK3

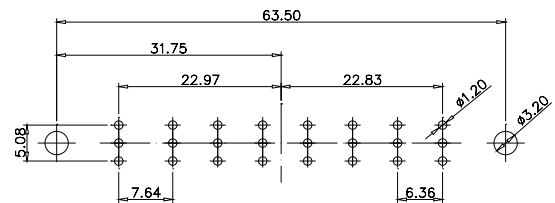


KC

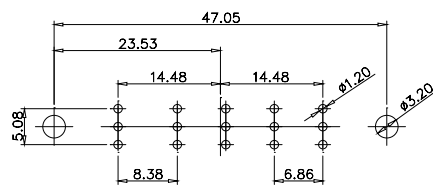
5W5 Male



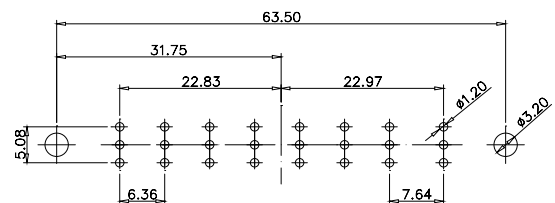
8W8 Male



5W5 Female



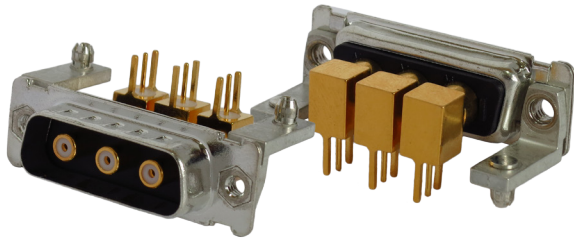
8W8 Female



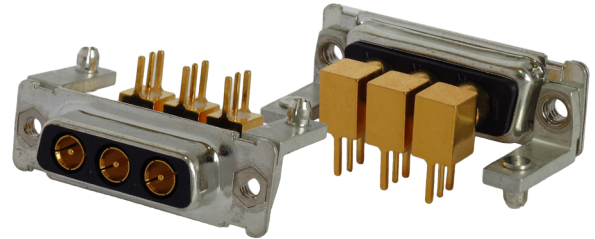
Coaxial D-Sub Full Layout KC Series

R/A PCB solder

Male

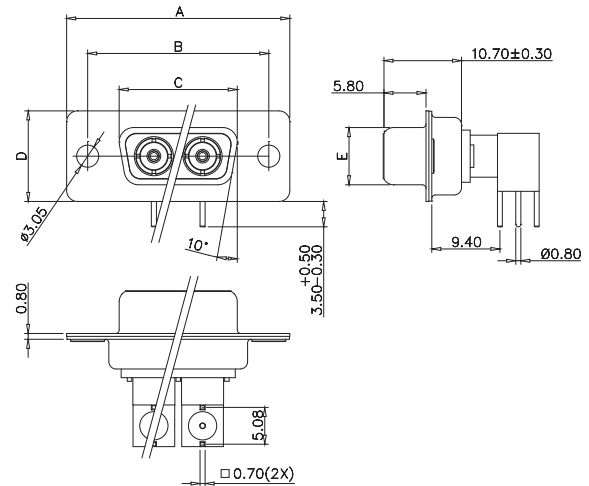
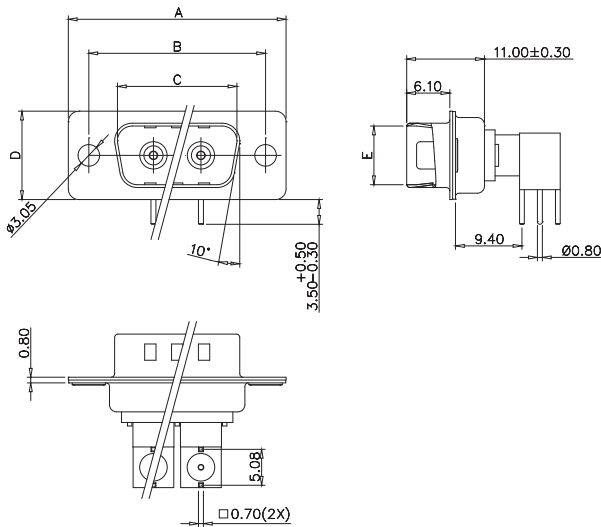


Female



KC

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90

Part Number Code

Series: KC R 5 4 -3W3 M T B
 KC = Coaxial D-Sub
Terminal type:
 R = R/A PCB solder
Impedance:
 5 = 50Ω 7 = 75Ω
Contact plating*:
 4 = Quality Class 3 (standard)
 3 = Quality Class 1
Layout:
 2W2 2WK2 3W3 3WK3 5W5 8W8

D1 Mounting*:
 A1 = A1 No threads D4 = D4 with 4-40 UNC
 B1 = B1 with 4-40 UNC D6 = D6 with M3
 B6 = B6 with M3 D7 = D7 with M3
 D1 = D1 with 4-40 UNC D8 = D8 with M3
 D2 = D2 with 4-40 UNC D9 = D9 with M3
 D3 = D3 with 4-40 UNC
 See mounting drawings below for more details

Insulator color:
 B = Black

Shell plating*:
 T = Tin (standard) N = Nickel

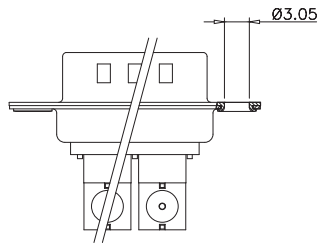
Gender:
 M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

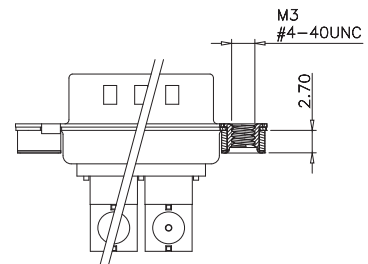
Coaxial D-Sub Full Layout KC Series

R/A PCB solder
Mounting

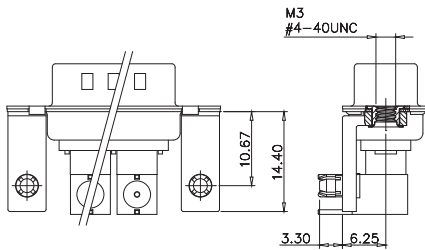
A1



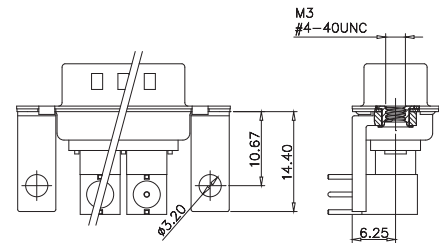
B1/B6



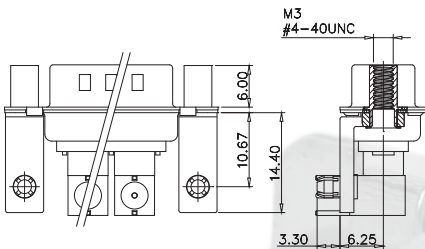
D1/D6



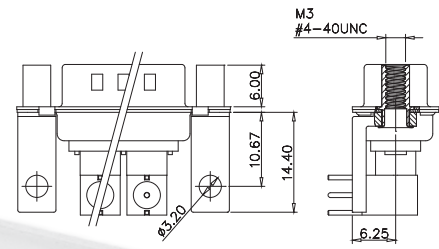
D2/D7



D3/D8



D4/D9



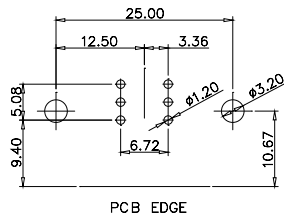
KC

Coaxial D-Sub Full Layout KC Series

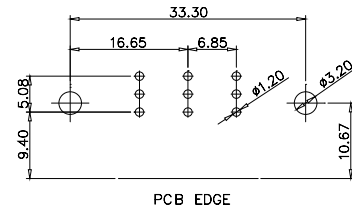
R/A PCB solder

PCB Layout for Male and Female connector

2W2 / 2WK2 Male/Female

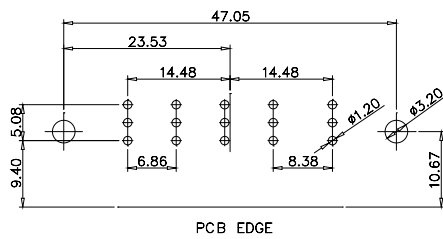


3W3 / 3WK3 Male/Female

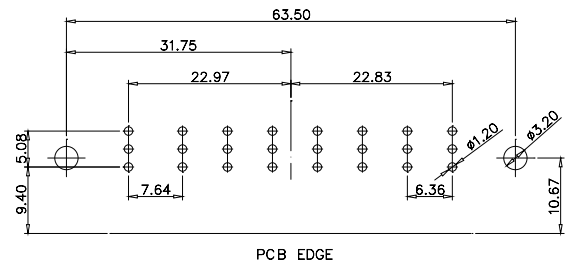


KC

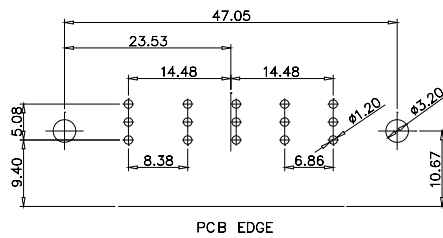
5W5 Male



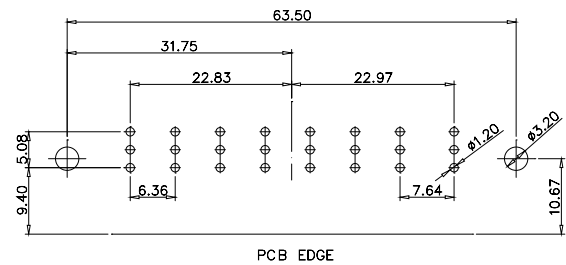
8W8 Male



5W5 Female



8W8 Female



Coaxial D-Sub Mixed Layout KC Series

Solder cup

Male

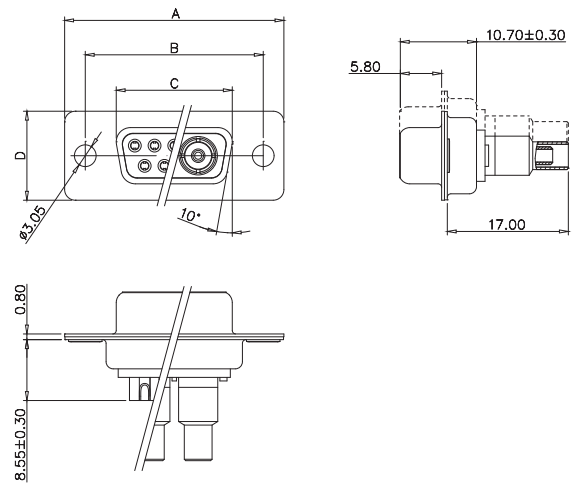
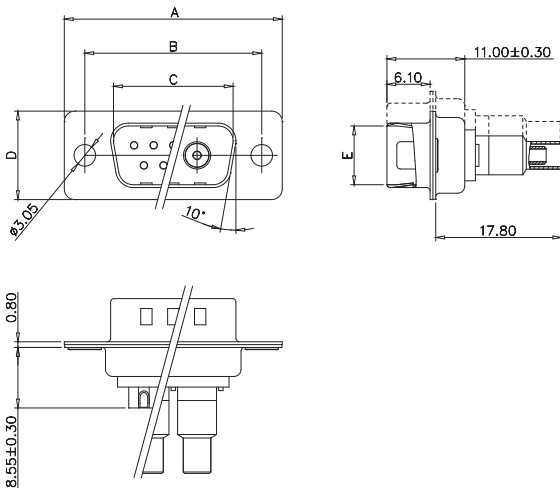
Female



KC

Note: Solder cup coaxial contacts not inserted when shipped

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30
5(D)	67.00	61.00	52.80	15.30	11.15

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90
5(D)	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series: KC S 5 4 -7W2 M T B

KC = Coaxial D-Sub

Terminal type:

S = Solder cup

Impedance:

5 = 50Ω 7 = 75Ω

Contact plating*:

4 = Quality Class 3 (standard)

3 = Quality Class 1

Layout:

5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

A1 Mounting*:

A1 = Mounting hole

B1 = B1 with 4-40 UNC

B6 = B6 with M3

See mounting drawings below for more details

Insulator color:

B = Black

Shell plating*:

T = Tin (standard)

N = Nickel

Gender:

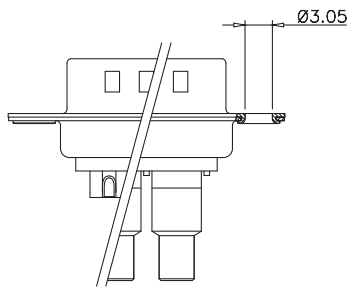
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

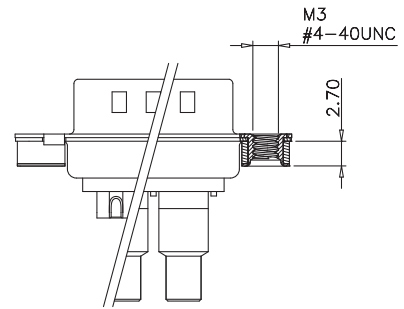
Coaxial D-Sub Mixed Layout KC Series

Solder cup
Mounting

A1



B1/B6



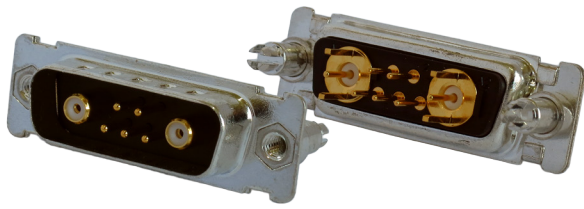
KC



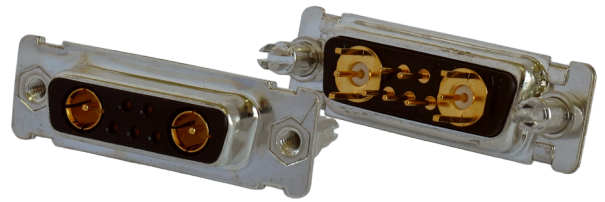
Coaxial D-Sub Mixed Layout KC Series

Straight PCB solder

Male

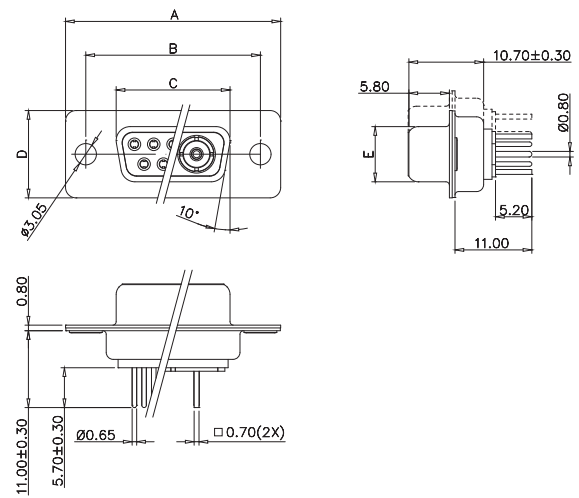
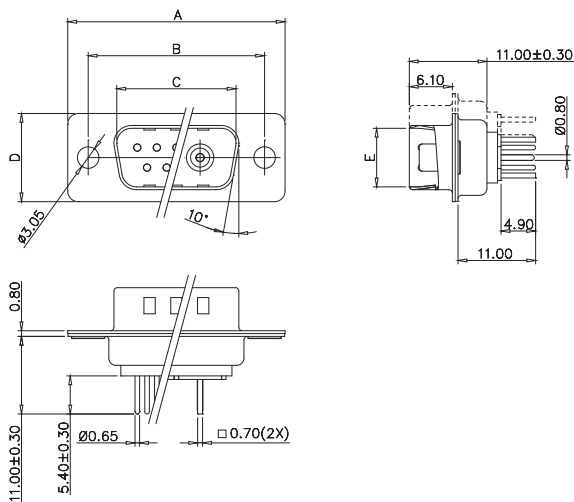


Female



KC

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30
5(D)	67.00	61.00	52.80	15.30	11.15

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90
5(D)	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series:
KC = Coaxial D-Sub

Terminal type:
T = Straight PCB solder

Impedance:
5 = 50Ω 7 = 75Ω

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

C1 Mounting*:
A1 = A1 No threads B8 = B8 with M3
B1 = B1 with 4-40 UNC C1 = C1 with 4-40 UNC
B2 = B2 with 4-40 UNC C2 = C2 with 4-40 UNC
B3 = B3 with 4-40 UNC C6 = C6 with M3
B6 = B6 with M3 C7 = C7 with M3
B7 = B7 with M3
See mounting drawings below for more details

Insulator color:
B = Black

Shell plating*:
T = Tin (standard) N = Nickel

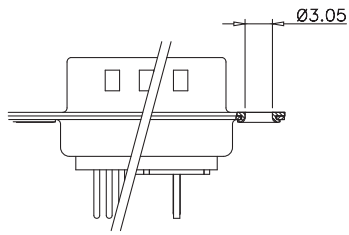
Gender:
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

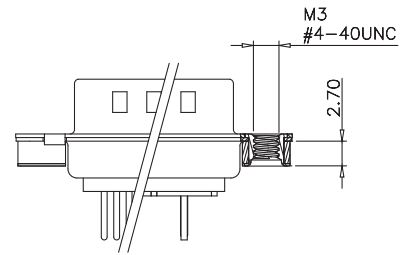
Coaxial D-Sub Mixed Layout KC Series

Straight PCB solder
Mounting

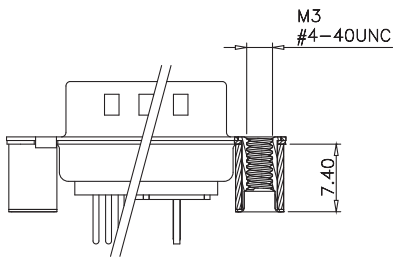
A1



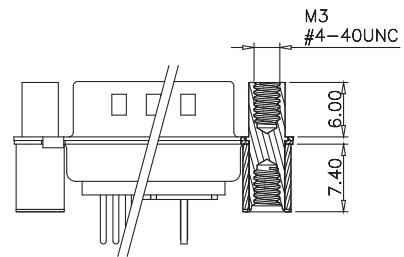
B1/B6



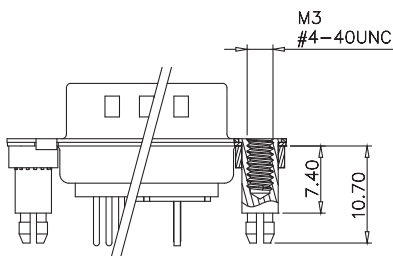
B2/B7



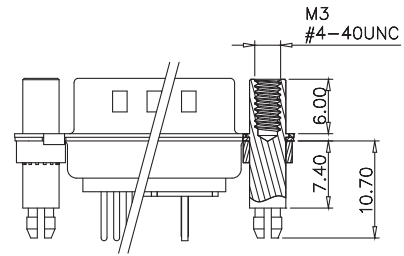
B3/B8



C1/C6



C2/C7



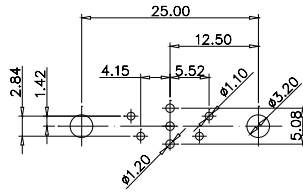
KC

Coaxial D-Sub Mixed Layout KC Series

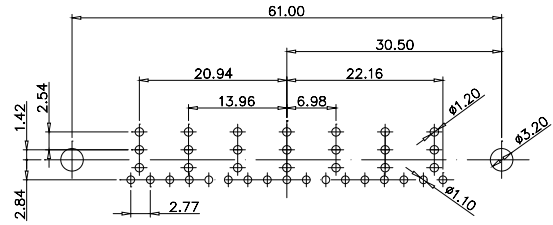
Straight PCB solder

PCB Layout for Male and Female connector

5W1 Male/Female

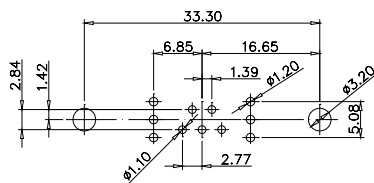


24W7 Male/Female

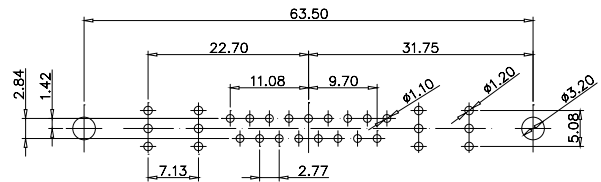


KC

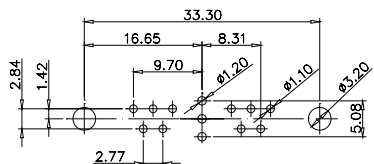
7W2 Male/Female



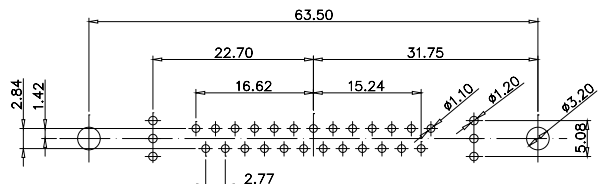
21W4 Male/Female



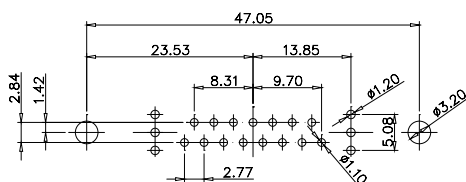
11W1 Male/Female



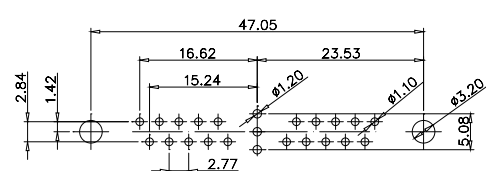
27W2 Male/Female



17W2 Male/Female



21W1 Male/Female

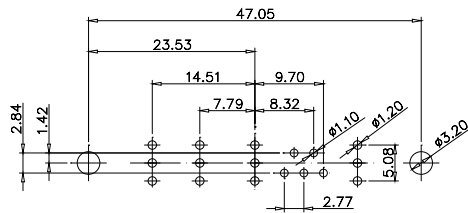


Coaxial D-Sub Mixed Layout KC Series

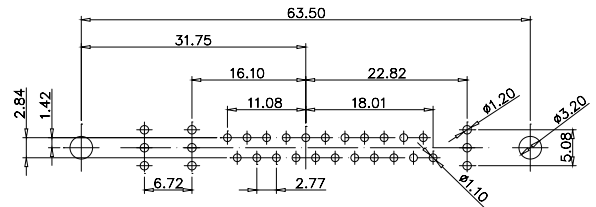
Straight PCB solder

PCB Layout for Male connector

9W4 Male

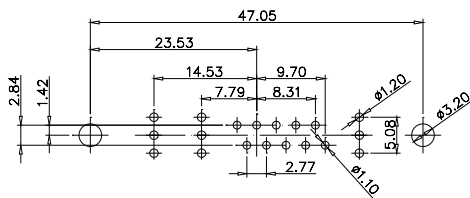


25W3 Male

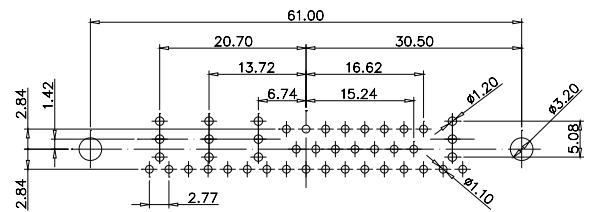


KC

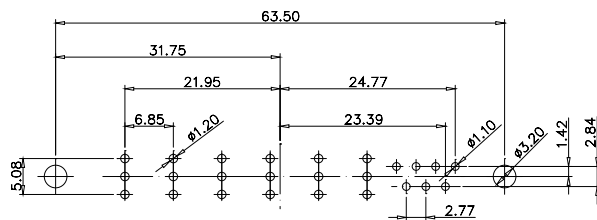
13W3 Male



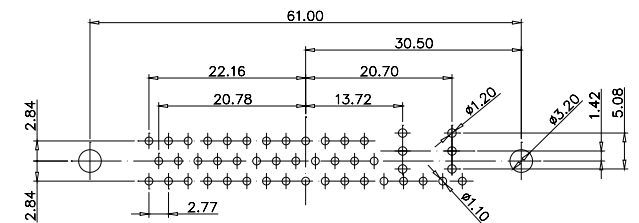
36W4 Male



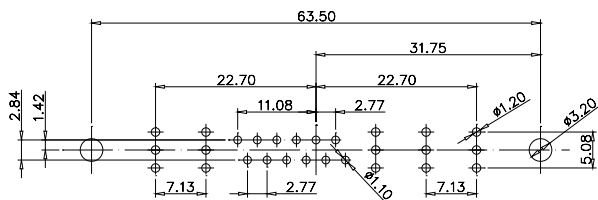
13W6 Male



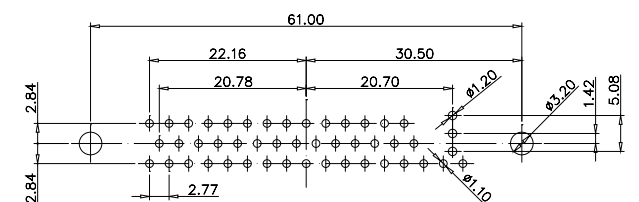
43W2 Male



17W5 Male



47W1 Male

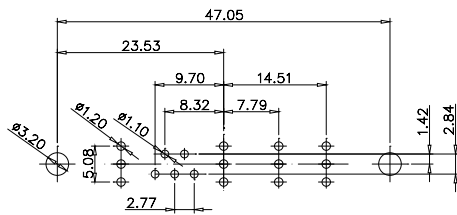


Coaxial D-Sub Mixed Layout KC Series

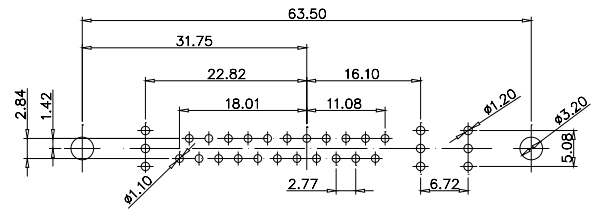
Straight PCB solder

PCB Layout for Female connector

9W4 Female

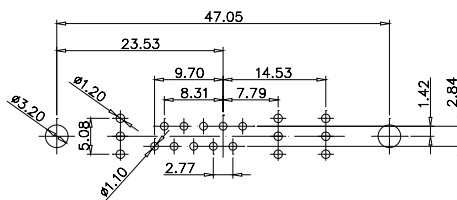


25W3 Female

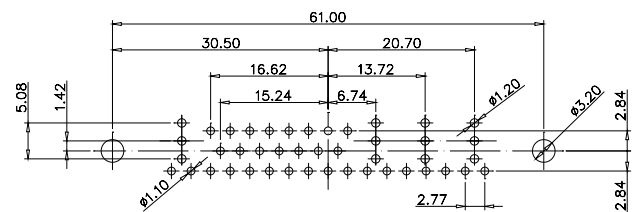


KC

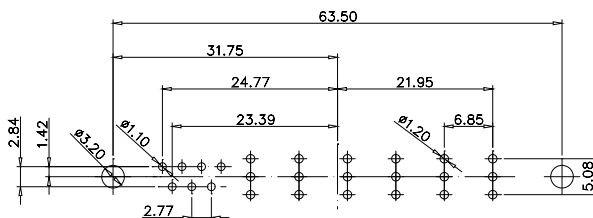
13W3 Female



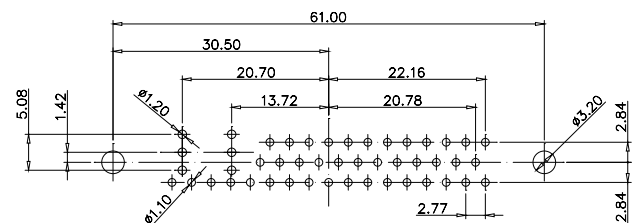
36W4 Female



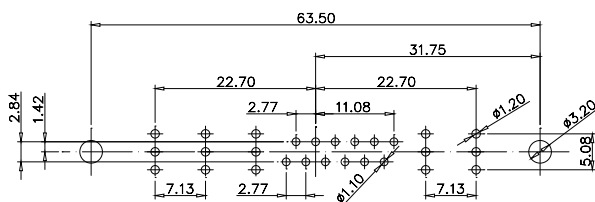
13W6 Female



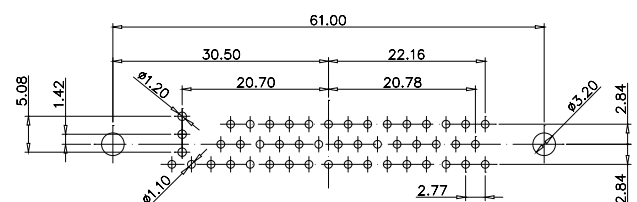
43W2 Female



17W5 Female



47W1 Female

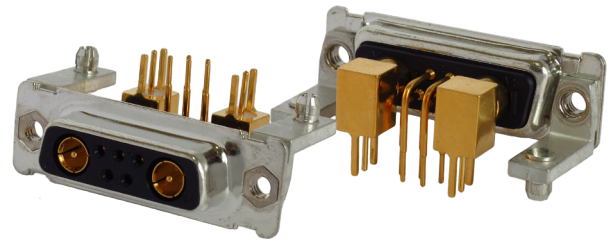
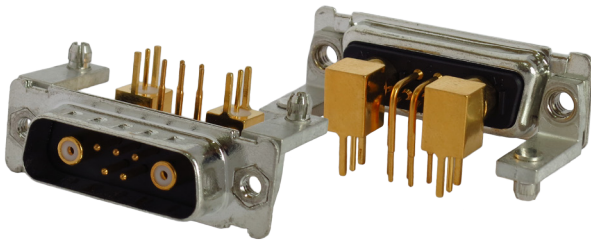


Coaxial D-Sub Mixed Layout KC Series

R/A PCB solder

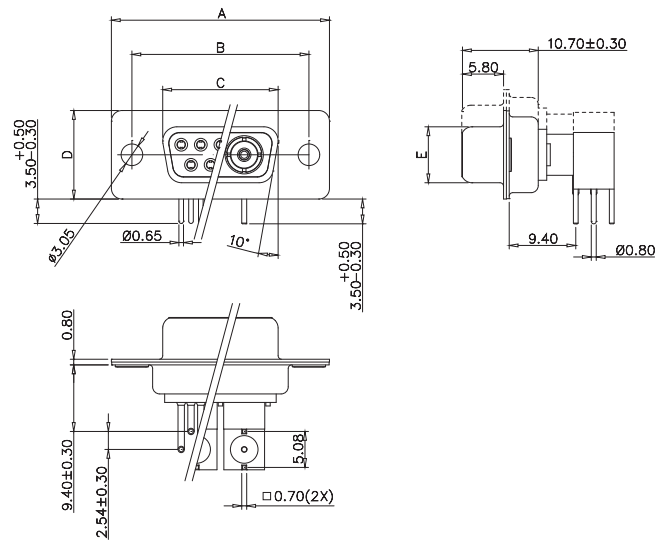
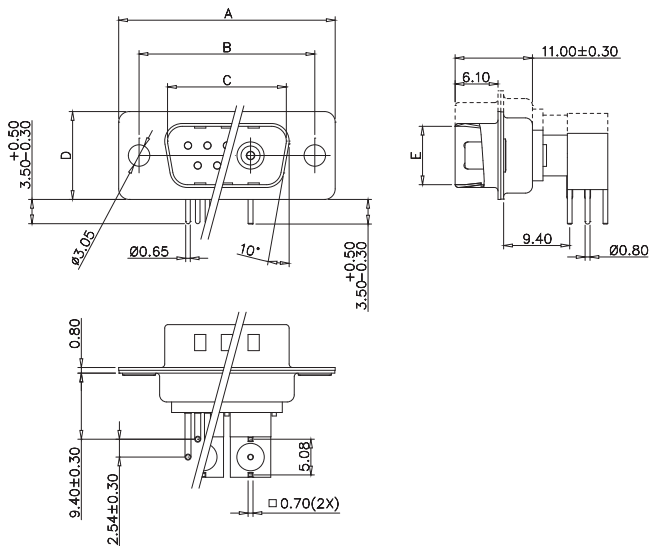
Male

Female



KC

Drawing



Size	A	B	C	D	E
1(E)	30.80	25.00	16.90	12.50	8.30
2(A)	39.20	33.30	25.25	12.50	8.30
3(B)	53.05	47.05	38.95	12.50	8.30
4(C)	69.40	63.50	55.40	12.50	8.30
5(D)	67.00	61.00	52.80	15.30	11.15

Size	A	B	C	D	E
1(E)	30.80	25.00	16.30	12.50	7.90
2(A)	39.20	33.30	24.60	12.50	7.90
3(B)	53.05	47.05	38.40	12.50	7.90
4(C)	69.40	63.50	54.80	12.50	7.90
5(D)	67.00	61.00	52.20	15.30	10.90

Part Number Code

Series: KC R 5 4 -7W2 M T B

KC = Coaxial D-Sub

Terminal type:
R = R/A PCB solder

Impedance:
5 = 50Ω 7 = 75Ω

Contact plating*:
4 = Quality Class 3 (standard)
3 = Quality Class 1

Layout:
5W1 7W2 11W1 9W4 13W3 17W2 21W1
13W6 17W5 25W3 27W2 21W4 25W3 27W2
21W4 24W7 36W4 43W2 47W1

D1 Mounting*:

A1 = A1 No threads D4 = D4 with 4-40 UNC
B1 = B1 with 4-40 UNC D6 = D6 with M3
B6 = B6 with M3 D7 = D7 with M3
D1 = D1 with 4-40 UNC D8 = D8 with M3
D2 = D2 with 4-40 UNC D9 = D9 with M3
D3 = D3 with 4-40 UNC

See mounting drawings below for more details

Insulator color:

B = Black

Shell plating*:

T = Tin (standard) N = Nickel

Gender:

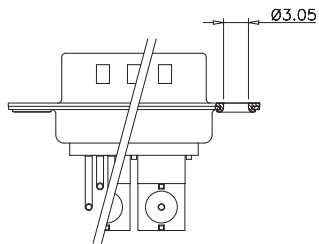
M = Male F = Female

*Contact sales for more details, Konmek have a wide range of alternatives available.

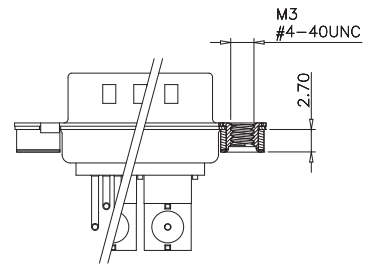
Coaxial D-Sub Mixed Layout KC Series

R/A PCB solder
Mounting

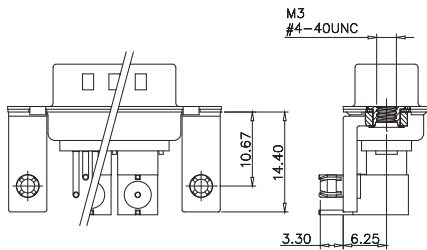
A1



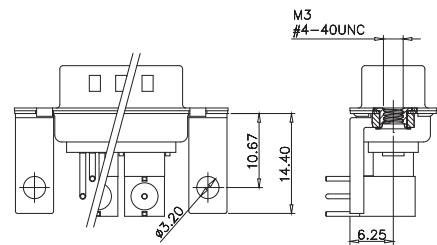
B1/B6



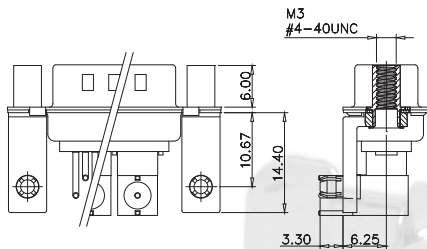
D1/D6



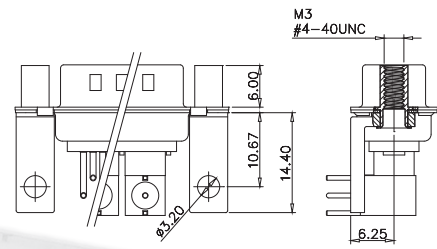
D2/D7



D3/D8



D4/D9



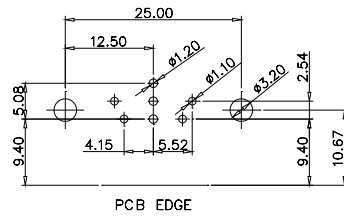
KC

Coaxial D-Sub Mixed Layout KC Series

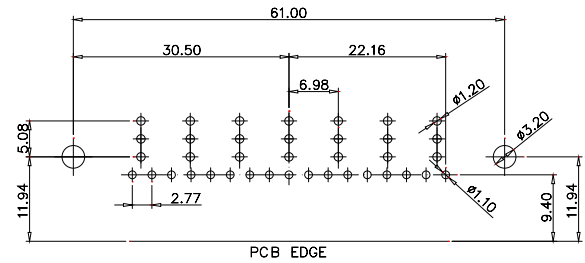
R/A PCB solder

PCB Layout for Male and Female connector

5W1 Male/Female

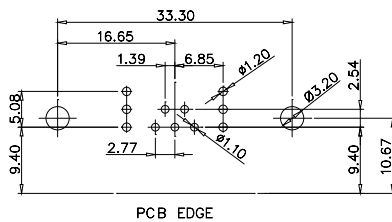


24W7 Male/Female

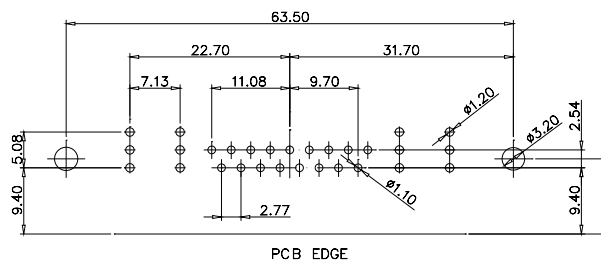


KC

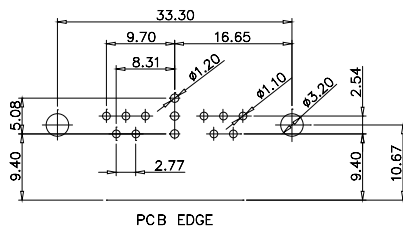
7W2 Male/Female



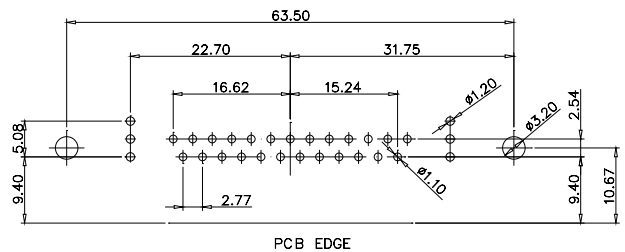
21W4 Male/Female



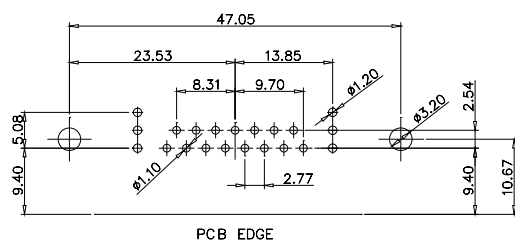
11W1 Male/Female



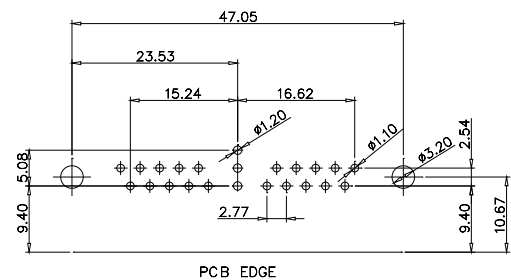
27W2 Male/Female



17W2 Male/Female



21W1 Male/Female

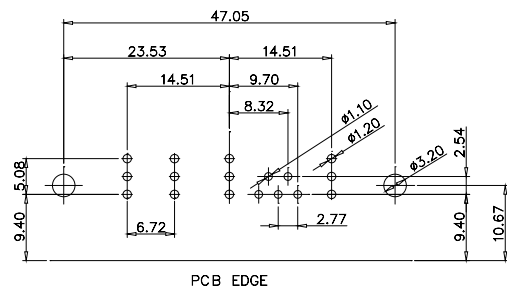


Coaxial D-Sub Mixed Layout KC Series

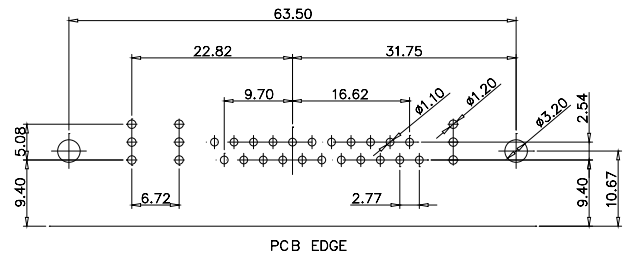
R/A PCB solder

PCB Layout for Male connector

9W4 Male

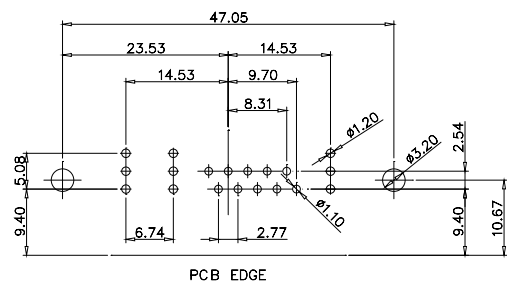


25W3 Male

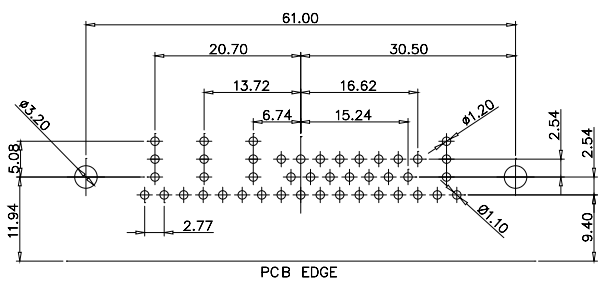


KC

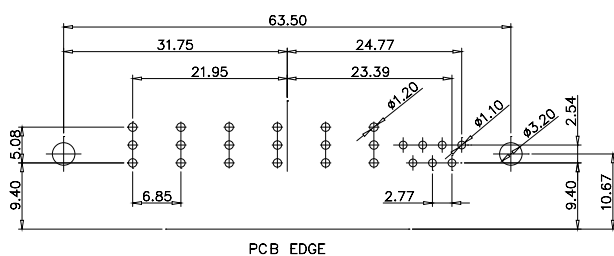
13W3 Male



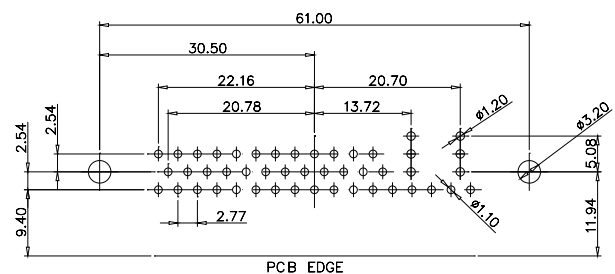
36W4 Male



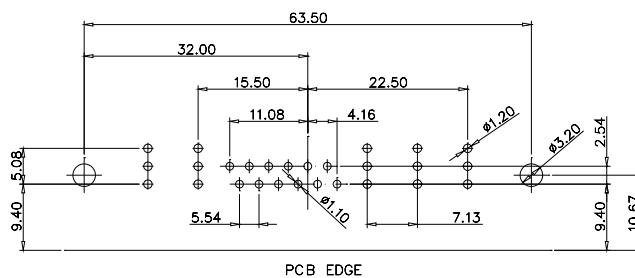
13W6 Male



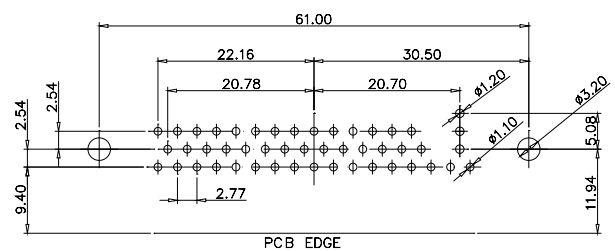
43W2 Male



17W5 Male



47W1 Male

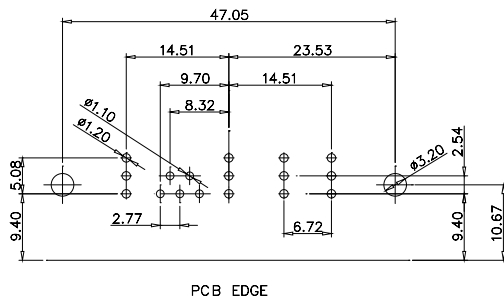


Coaxial D-Sub Mixed Layout KC Series

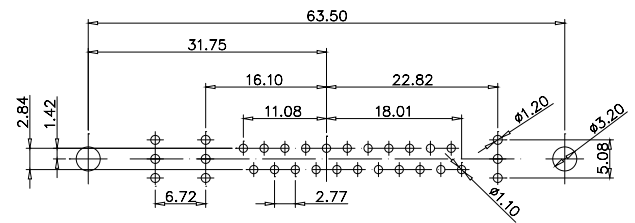
R/A PCB solder

PCB Layout for Female connector

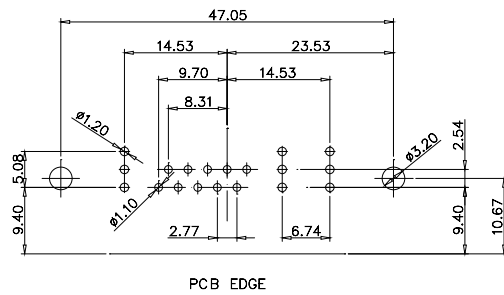
9W4 Female



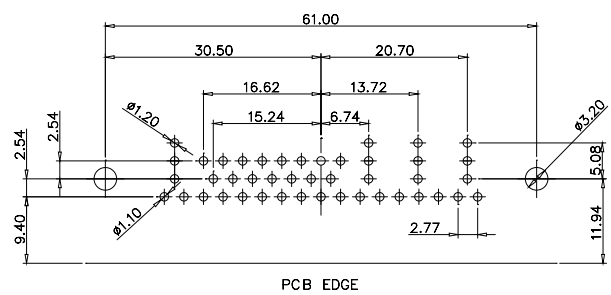
25W3 Female



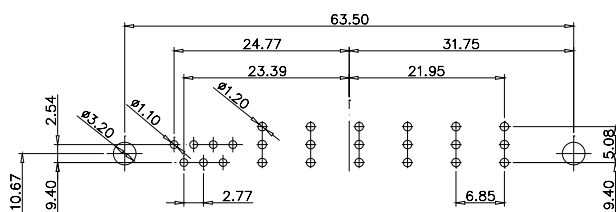
13W3 Female



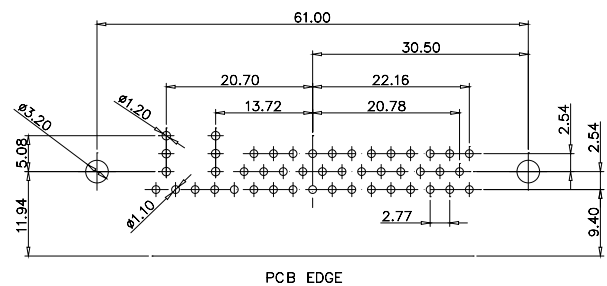
36W4 Female



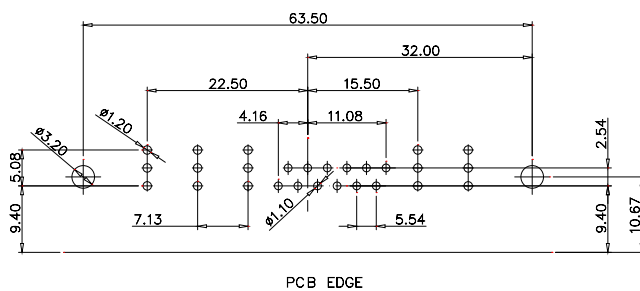
13W6 Female



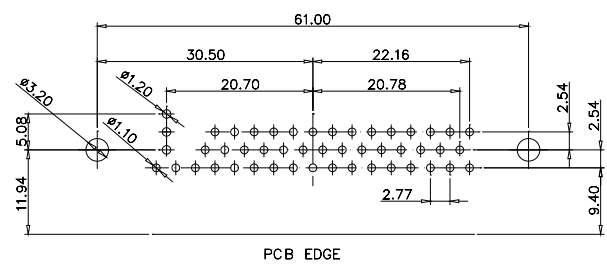
43W2 Female



17W5 Female



47W1 Female



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