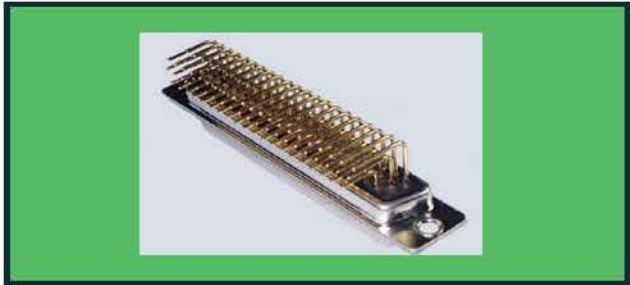


D-subminiature
Right Angle High Density Dip .350"/8.89mm Footprint
Precision machined contacts



- Material:
- Insulator: Glass Filled Polyester UL94V-0
 - Contacts: Copper Alloy
 - Shell: Stell, Tin Plated

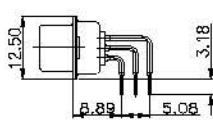
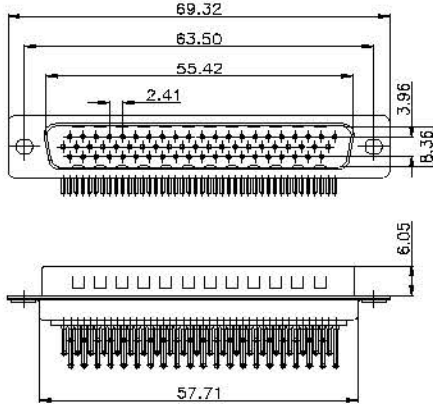
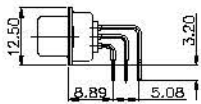
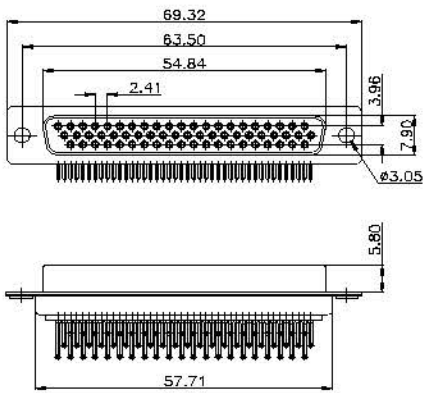
- Electrical:
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
 - Withstanding Voltage: 1000V AC for 1 minute
 - Contact Resistance: <20mΩ
 - Insulation Resistance: >5000MΩ
 - Operating Temperature: -40℃~+105℃



RoHS compliant

SOCKET CONNECTOR

PLUG CONNECTOR



Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
62	54.84	55.42	63.50	69.32	57.71

Ordering Code

112 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

1. Series No

2. Contacts: 62

3. Contact type: F(Female), M(Male)

4. Terminal Material:

0: Phosphor Bronze 1: Brass

5. Contacts Plating: Gold Plated
6. Insulator Color: 0: Black 1: White

7. Mating Options:

00: 0.120" Diameter Holes

01: 4-40 Threaded Rivets Clinch Nuts on Back Shell

10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Right Angle High Density Dip .350"/8.89mm Footprint
Precision machined contacts



- Material:
- Insulator: Glass Filled Polyester UL94V-0
 - Contacts: Copper Alloy
 - Shell: Stell, Tin Plated

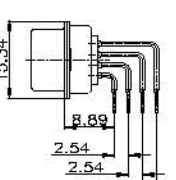
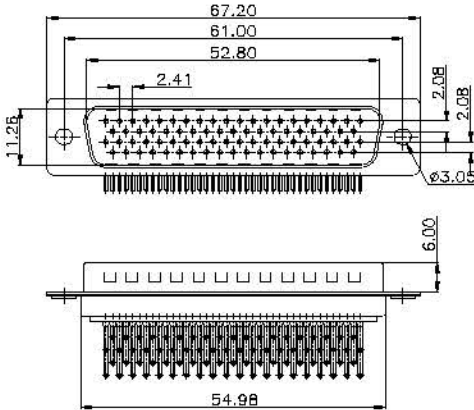
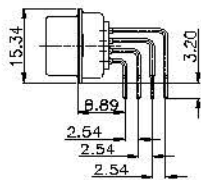
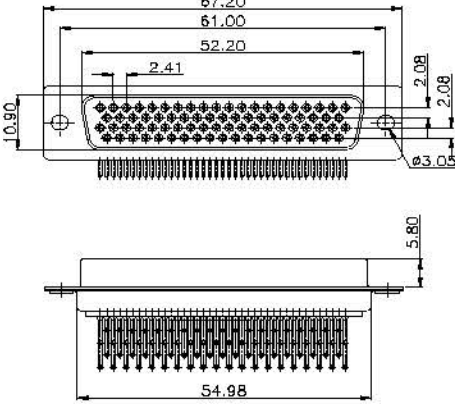
- Electrical:
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
 - Withstanding Voltage: 1000V AC for 1 minute
 - Contact Resistance: <20mΩ
 - Insulation Resistance: >5000MΩ
 - Operating Temperature: -40℃~+105℃



RoHS compliant

SOCKET CONNECTOR

PLUG CONNECTOR



Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
78	52.20	52.80	61.00	67.20	54.98

Ordering Code

112 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

1. Series No

2. Contacts: 62

3. Contact type: F(Female), M(Male)

4. Terminal Material:

0: Phosphor Bronze 1: Brass

5. Contacts Plating: Gold Plated
6. Insulator Color: 0: Black 1: White

7. Mating Options:

00: 0.120" Diameter Holes

01: 4-40 Threaded Rivets Clinch Nuts on Back Shell

10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Straight Dip
Precision machined contacts



Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

Electrical:

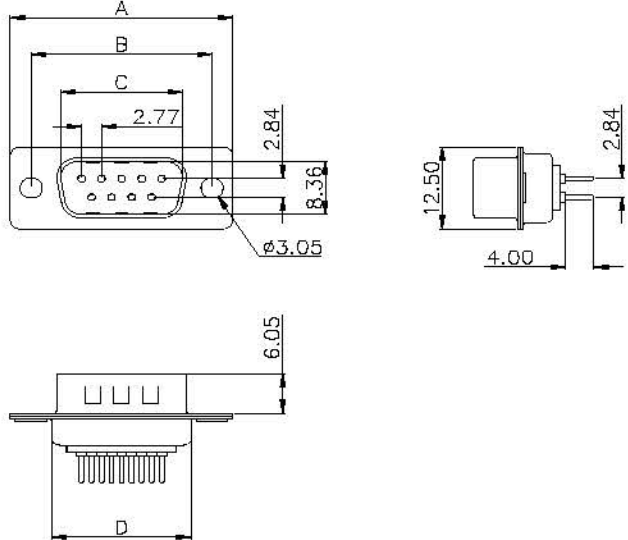
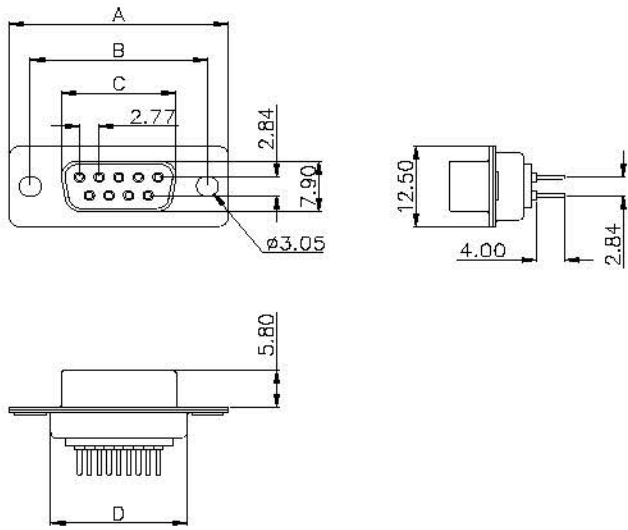
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



RoHS compliant

SOCKET CONNECTOR

PLUG CONNECTOR



Dimension

Circuits	A±0.13		B±0.25	C±0.38	D±0.38
	Socket	Plug			
9	16.33	16.92	24.99	30.81	19.28
15	24.66	25.25	33.32	39.14	27.51
25	38.38	38.96	47.04	53.04	41.28
37	54.84	55.42	63.50	69.32	57.71
50	52.20	52.80	61.00	67.20	54.98

Ordering Code

142 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 9, 15, 25, 37, 50
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Straight High Density Dip
Precision machined contacts

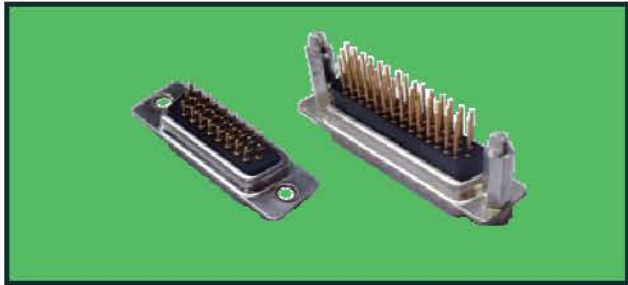


Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

Electrical:

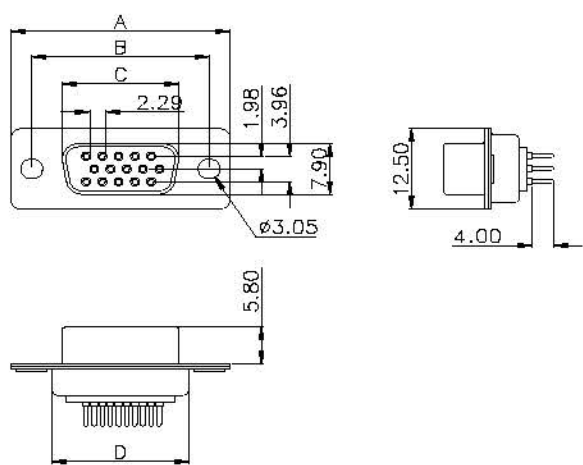
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



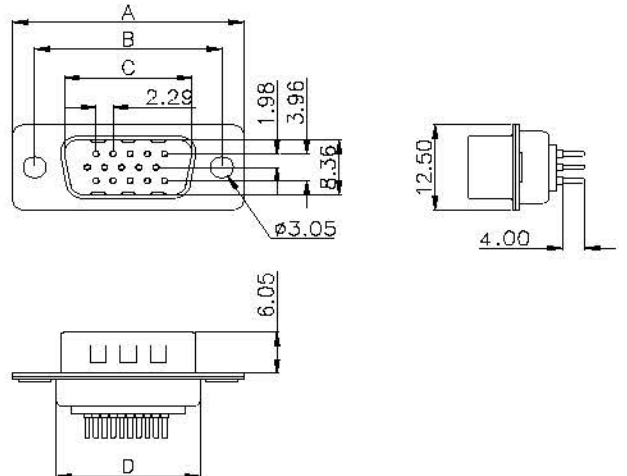
RoHS compliant

SOCKET CONNECTOR

PLUG CONNECTOR



Female



Male

Dimension

Circuits	A±0.13		B±0.25	C±0.38	D±0.38
	Socket	Plug			
15	16.33	16.33	24.99	30.81	19.28
26	24.66	24.99	33.32	39.14	27.51
44	38.38	38.38	47.04	53.04	41.28

Ordering Code

148 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 15, 26, 44
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Straight Hight Density Dip
Precision machined contacts

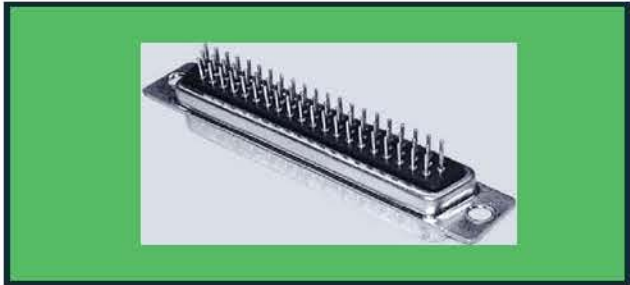


Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

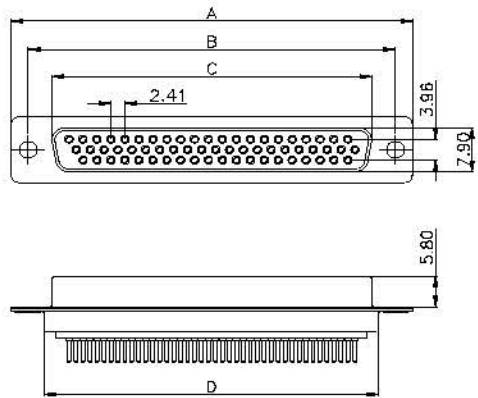
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



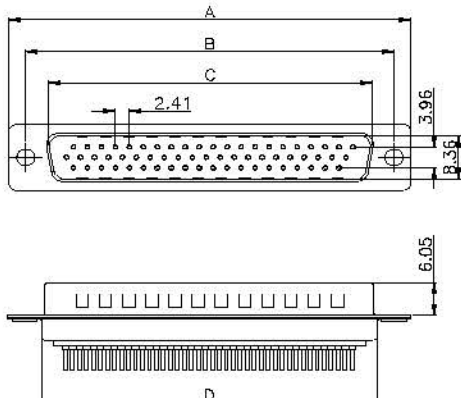
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
62	54.84	55.42	63.50	69.32	57.71

Ordering Code

148 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 62
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Straight Hight Density Dip
Precision machined contacts



Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

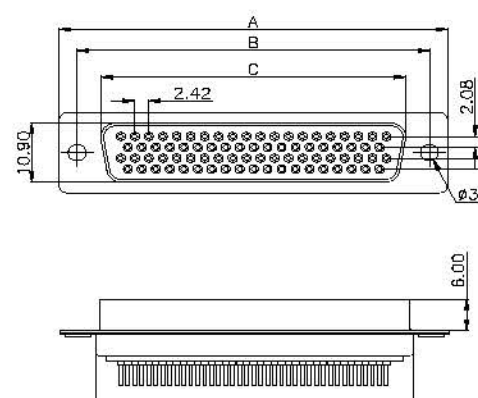
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



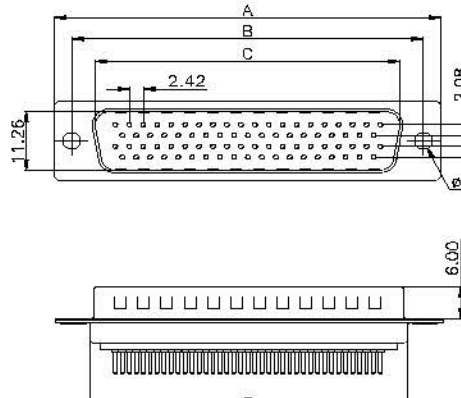
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
78	52.20	52.80	61.00	67.20	54.98

Ordering Code

148 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 78
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Solder for cable
Precision machined contacts

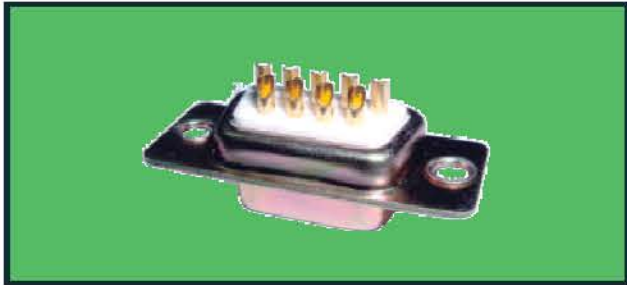


Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

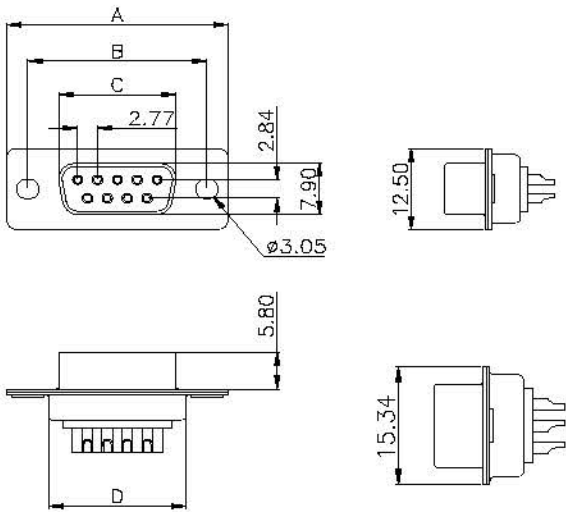
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



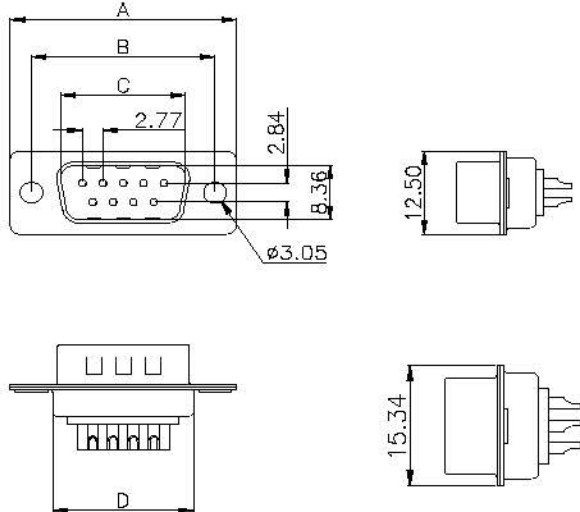
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	A±0.13		B±0.25	C±0.38	D±0.38
	Socket	Plug			
9	16.33	16.92	24.99	30.81	19.28
15	24.66	25.25	33.32	39.14	27.51
25	38.38	38.96	47.04	53.04	41.28
37	54.84	55.42	63.50	69.32	57.71
50	52.20	52.80	61.00	67.20	54.98

Ordering Code

163 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 9, 15, 25, 37, 50
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Hight Density Solder for cable
Precision machined contacts



Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

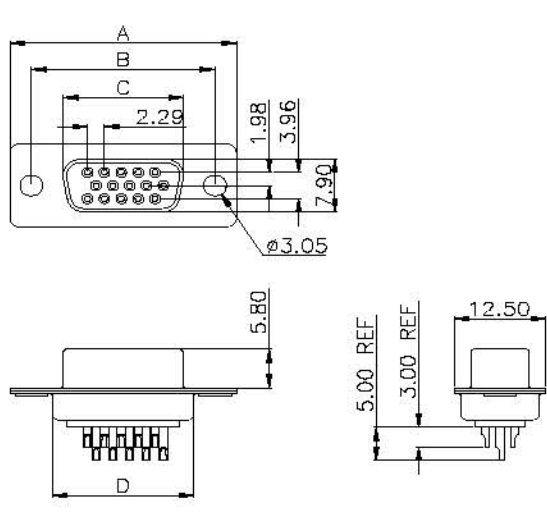
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



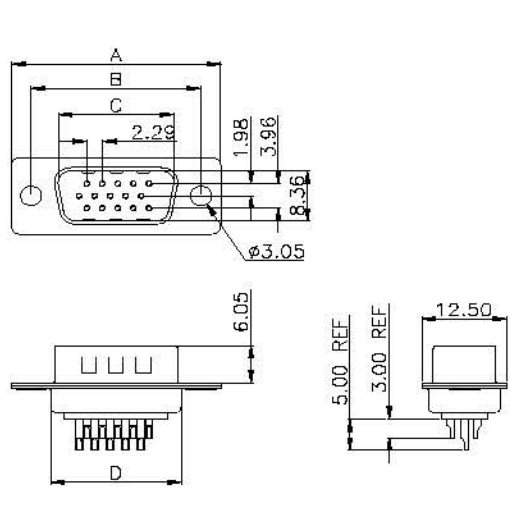
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	A±0.13		B±0.25	C±0.38	D±0.38
	Socket	Plug			
15	16.33	16.33	24.99	30.81	19.28
26	24.66	24.99	33.32	39.14	27.51
44	38.38	38.38	47.04	53.04	41.28

Ordering Code

169 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 15, 26, 44
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120" Diameter Holes
01: 4-40 Threaded Rivets Clinch Nuts on Back Shell
10: 4-40 Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Hight Density Solder for cable
Precision machined contacts

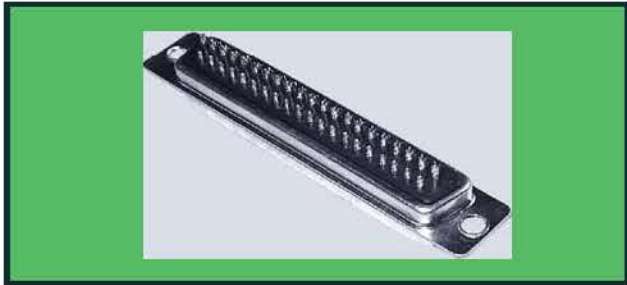


Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

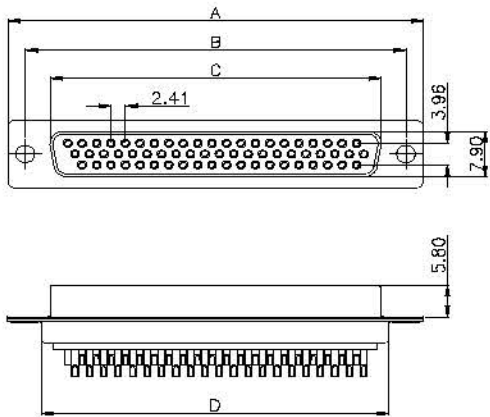
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



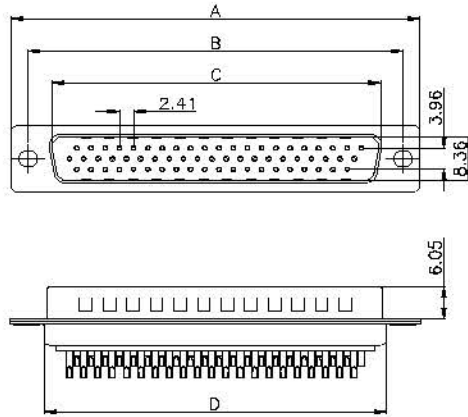
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
62	54.84	55.42	63.50	69.32	57.71

Ordering Code

169 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 62
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120"Diameter Holes
01: 4-40Threaded Rivets Clinch Nuts on Back Shell
10: 4-40Threaded Rivets Clinch Nuts on Front Shell

D-subminiature
Hight Density Solder for cable
Precision machined contacts



Material:

- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

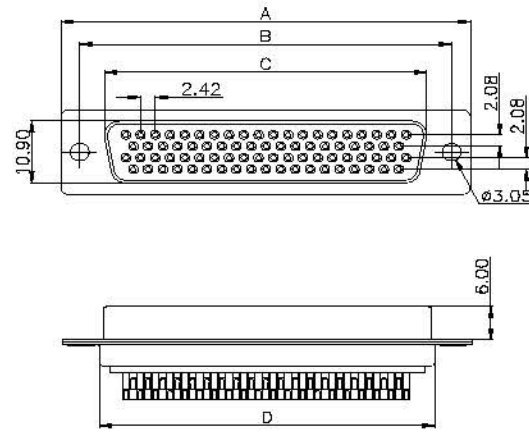
Electrical:

- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20mΩ
- Insulation Resistance: >5000MΩ
- Operating Temperature: -40℃~+105℃



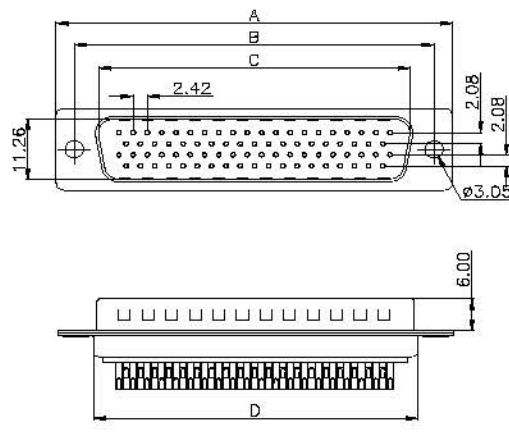
RoHS compliant

SOCKET CONNECTOR



Female

PLUG CONNECTOR



Male

Dimension

Circuits	Socket	A±0.13 Plug	B±0.25	C±0.38	D±0.38
78	52.20	52.80	61.00	67.20	54.98

Ordering Code

169 - XX X - X XX - X XX
① ②③ ④⑤ ⑥⑦

- Series No
- Contacts: 78
- Contact type: F(Female), M(Male)
- Terminal Material:
0: Phosphor Bronze 1: Brass
- Contacts Plating: Gold Plated

- Insulator Color: 0: Black 1: White
- Mating Options:
00: 0.120"Diameter Holes
01: 4-40Threaded Rivets Clinch Nuts on Back Shell
10: 4-40Threaded Rivets Clinch Nuts on Front Shell

D-subminiature Connector Dip 2.77mm Pitch PCB Layout

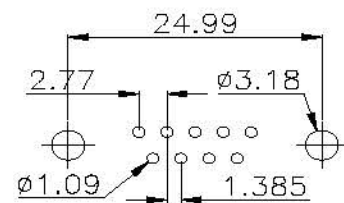


Material:

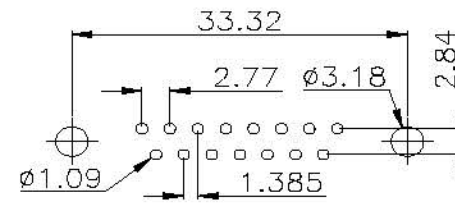
- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

Electrical:

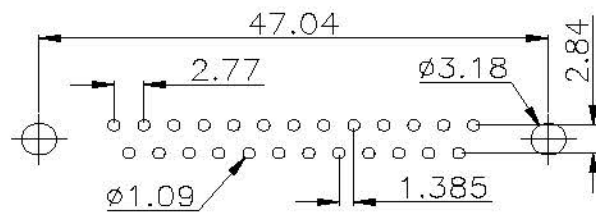
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20m Ω
- Insulation Resistance: >5000M Ω
- Operating Temperature: -40℃~+105℃



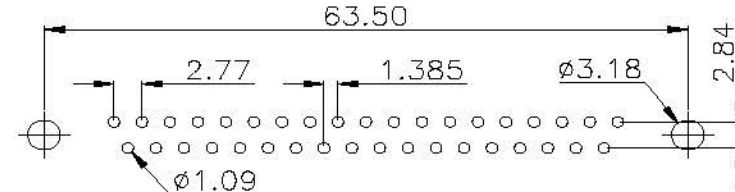
Circuits: 9



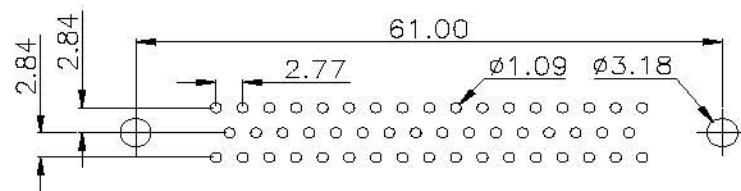
Circuits: 15



Circuits: 25



Circuits: 37



Circuits: 50

D-subminiature Connector Dip High Density PCB Layout



Material:

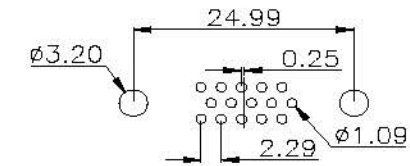
- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

Electrical:

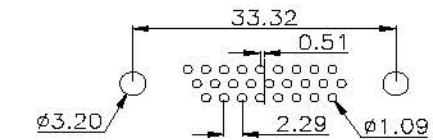
- Rated current and voltage: 5 Amp 250V AC(r.m.s)
- Withstanding Voltage: 1000V AC for 1 minute
- Contact Resistance: <20m Ω
- Insulation Resistance: >5000M Ω
- Operating Temperature: -40℃~+105℃

Mirror to Male

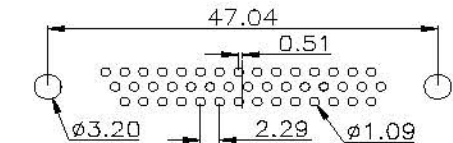
Circuits: 15



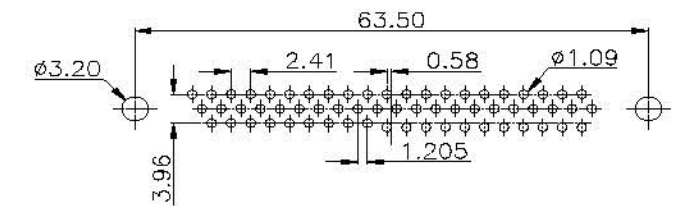
Circuits: 26



Circuits: 44



Circuits: 62



Circuits: 78

