

D-subminiature  
High Power Connector PCB Layout



Material:

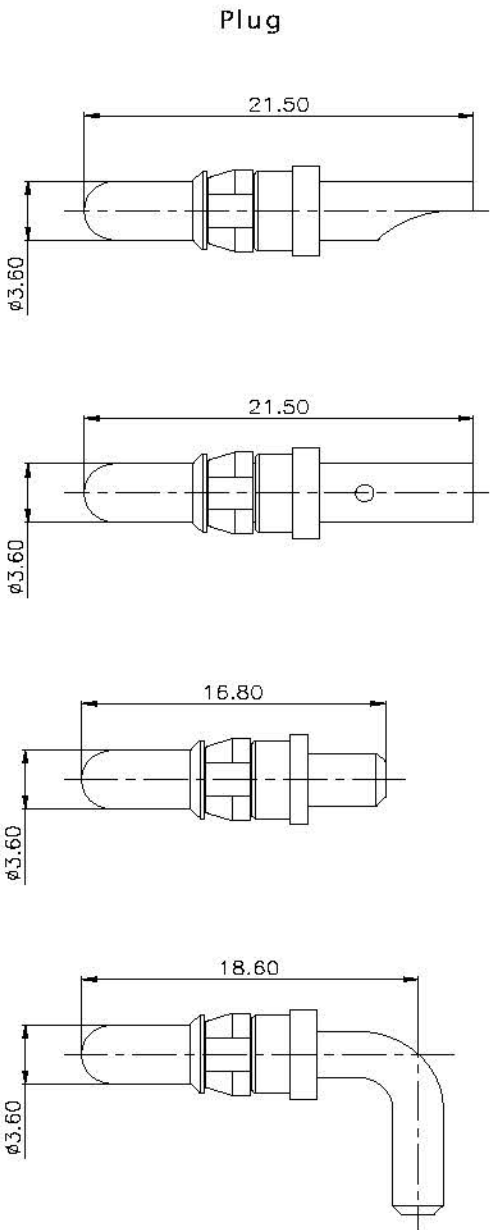
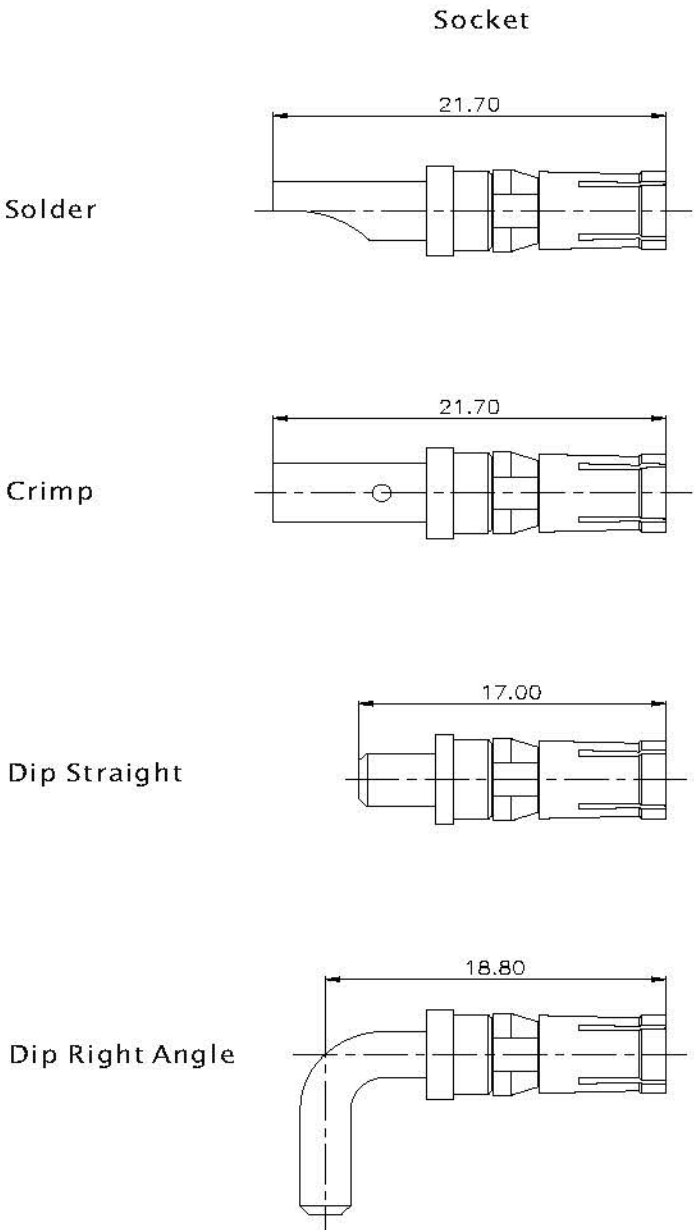
- Insulator: Glass Filled Polyester UL94V-0
- Contacts: Copper Alloy
- Shell: Stell, Tin Plated

Electrical:

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



RoHS compliant



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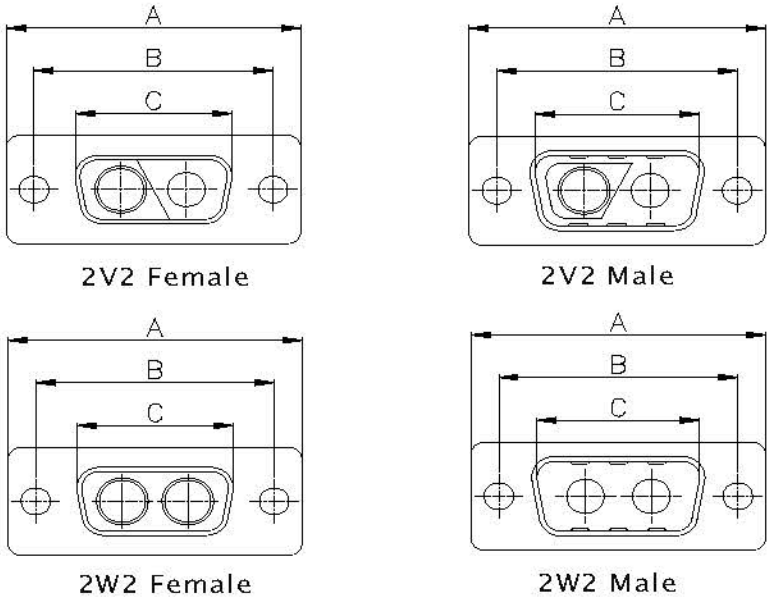
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RoHS compliant

Shell Size:A



Dimension

| Shell Size | A±0.38 | B±0.25 | C±0.13 |       |
|------------|--------|--------|--------|-------|
|            |        |        | Socket | Plug  |
| A          | 30.81  | 24.99  | 16.33  | 16.92 |
| B          | 39.14  | 33.32  | 24.66  | 25.25 |
| C          | 53.04  | 47.04  | 38.38  | 38.96 |
| D          | 69.32  | 63.50  | 54.84  | 55.42 |
| E          | 67.20  | 61.00  | 52.20  | 52.80 |

Ordering Code

182 - XXX X - X XX - X X X  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- Series No
- Contacts: 2V2, 2W2, 3V3, 3W3... 36W4
- Contact type: F(Female), M(Male)
- Current Options:  
0: 10A 2: 20A 3: 30A 4: 40A
- Contacts Plating: Gold Plated

- 181: Signal 7.2mm Footprint
- 182: Signal 9.4mm Footprint(Sandard)
- 184: Dip Straight
- 187: Solder for Cable
- 188: Crimp for Cable
- Insulator Color: 0: Black
- Mating Options:  
0: 0.120" Diameter Holes
- Mounting Options:  
0: No Brackets



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- Shell: Stell, Tin Plated

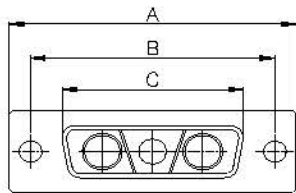
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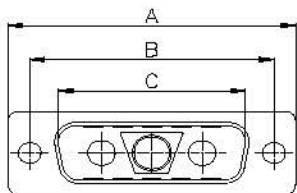


RoHS compliant

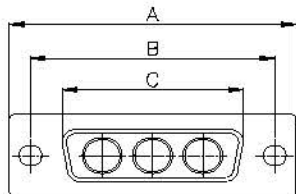
Shell Size: B



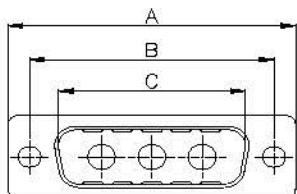
3V3Female



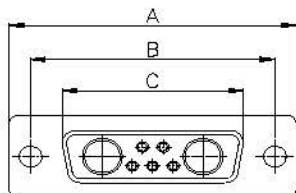
3V3Male



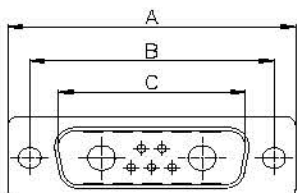
3W3Female



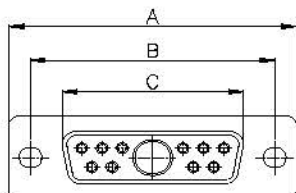
3W3Male



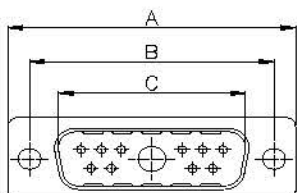
7W2Female



7W2Male



11W1Female



11W1Male

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- 188: Crimp for Cable
- Insulator Color: 0: Black
- Mating Options:  
0: 0.120"Diameter Holes
- Mounting Options:  
0: No Brackets



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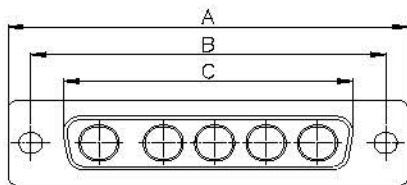
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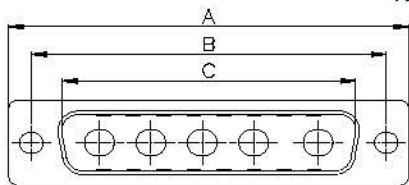


RoHS compliant

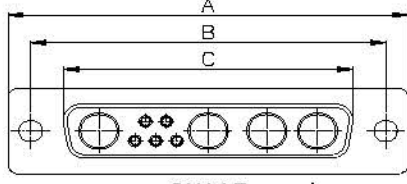
Shell Size: C



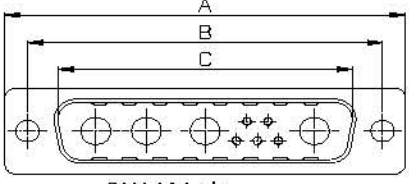
5W5Female



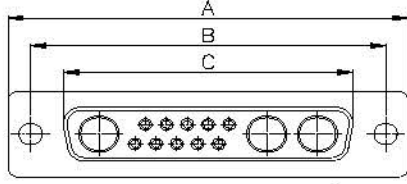
5W5Male



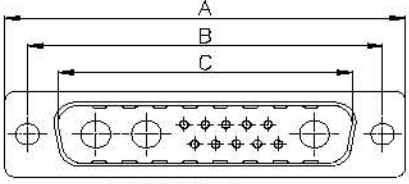
9W4Female



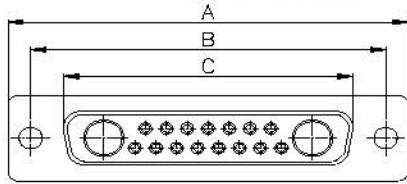
9W4Male



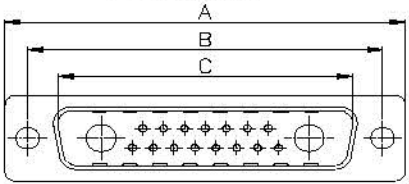
13W3Female



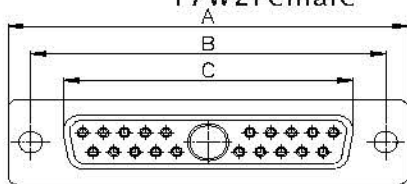
13W3Male



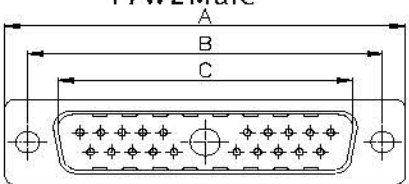
17W2Female



17W2Male



21W1Female



21W1Male

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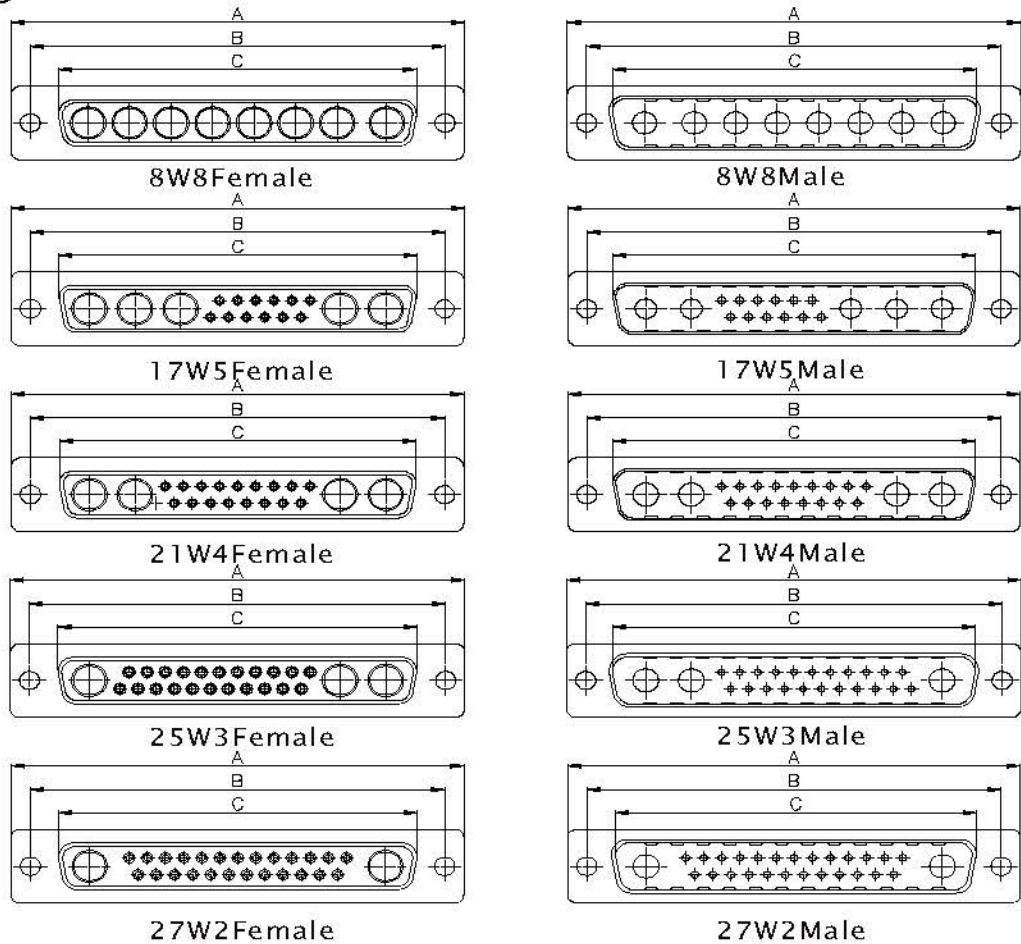
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RoHS compliant

Shell Size: D



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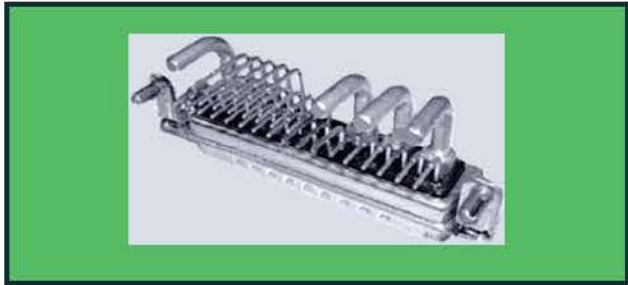


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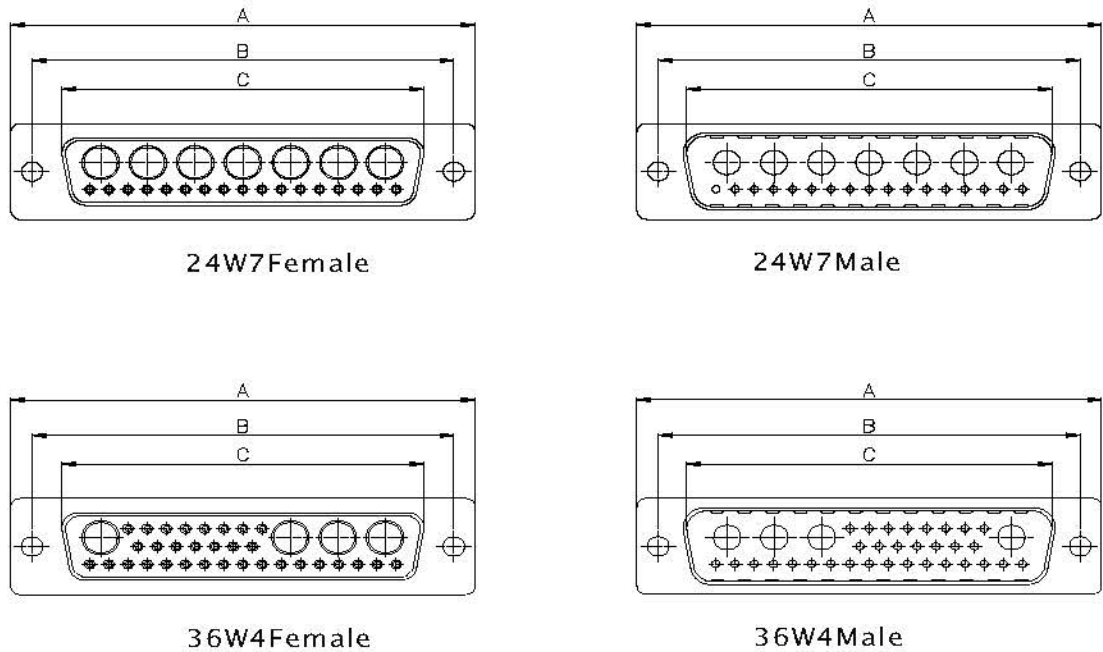
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Shell Size: E



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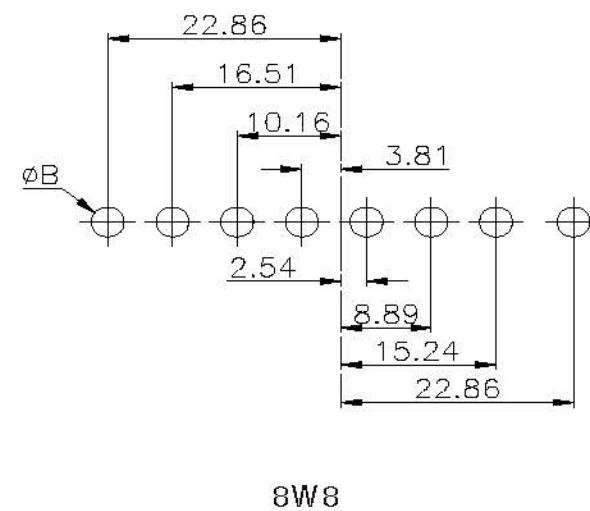
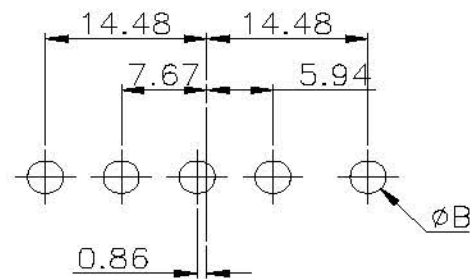
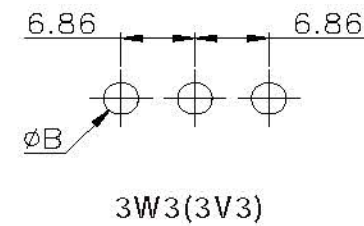
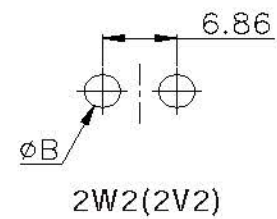
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### Mirror to Male



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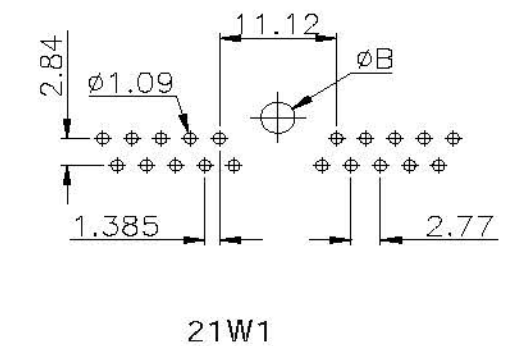
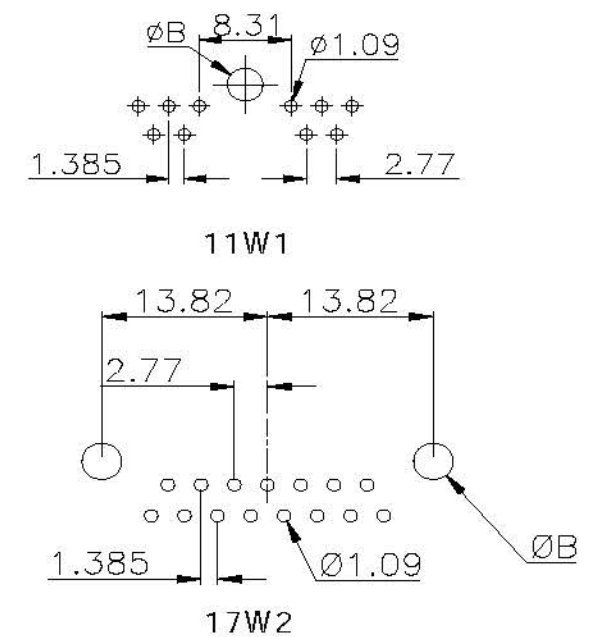
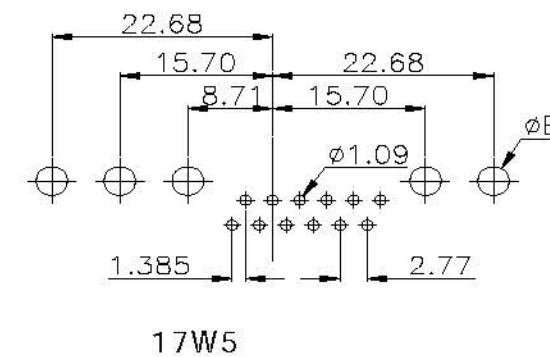
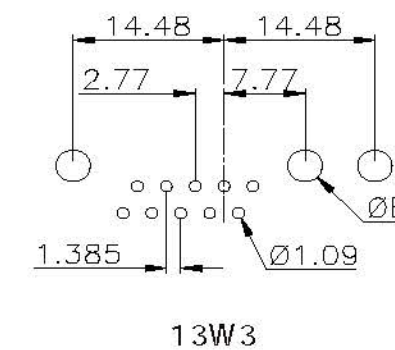
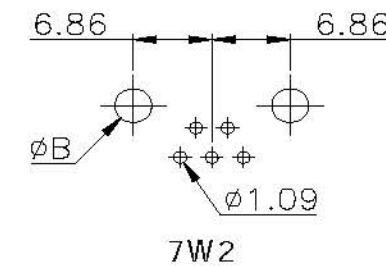
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### Mirror to Male

### Signal 7.2mm Footprint:





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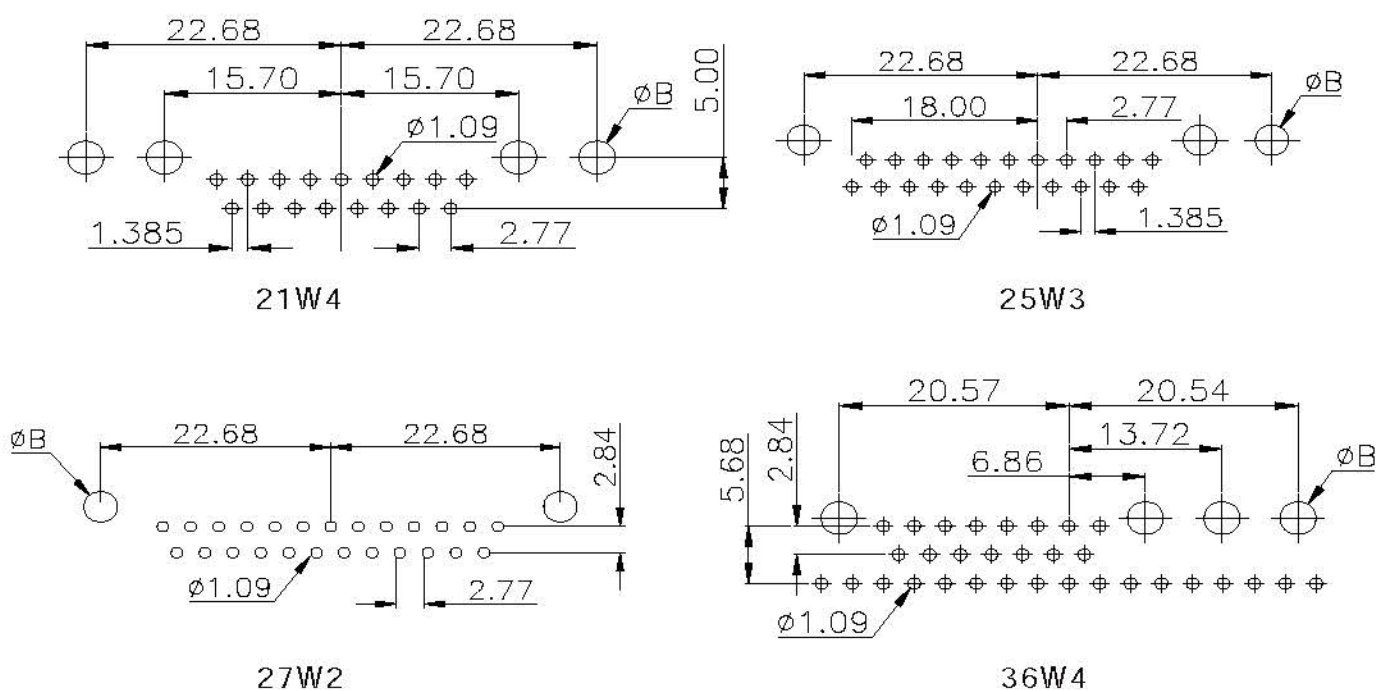
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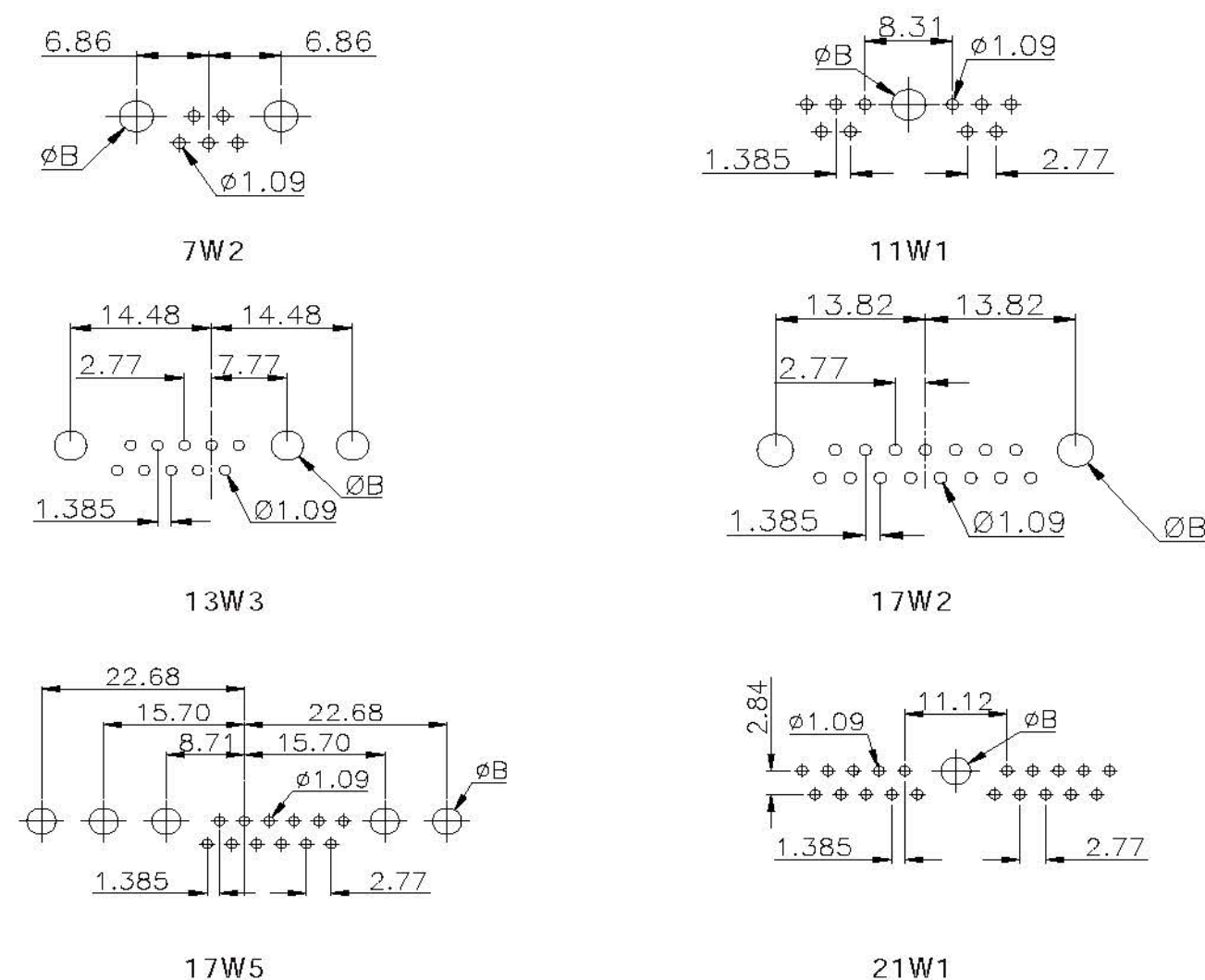
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### Mirror to Male

#### Signal 9.4mm Footprint:



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### Mirror to Male

#### Signal 9.4mm Footprint:

