D-SUB CONNECTOR (STRADDLE MOUNT TYPE)
DB1XX SERIES MOUNTING OPTIONS

a TYPE
WITH #4-40UNC THREAD INSERT
GROUNDING BRACKET & BOARDLOCK

b TYPE
WITH #4-40UNC THREAD INSERT
GROUNDING BRACKET

c TYPE
WITH FIXED #4-40UNC HEX NUT
GROUNDING BRACKET & BOARDLOCK

d TYPE
WITH FIXED #4-40UNC HEX NUT
GROUNDING BRACKET

e TYPE
WITH #4-40UNC THREAD INSERT
GROUNDING STRAP

en TYPE
WITHOUT #4-40UNC THREAD INSERT
WITH GROUNDING STRAP

rc TYPE
WITH FIXED #4-40UNC ROUND NUT
GROUNDING BRACKET & BOARDLOCK

rd TYPE
WITH FIXED #4-40UNC ROUND NUT
GROUNDING BRACKET

NOTE: SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE
DB 2XX SERIES MOUNTING OPTIONS

H TYPE
WITH MOUNTING HOLE ONLY

I TYPE
WITH #4-40UNC HEX NUT IN THE REAR OF THE SHELL

J TYPE
WITH #4-40UNC ROUND NUT IN THE REAR OF THE SHELL

K TYPE
WITH #4-40UNC IN THE REAR SHELL
USE RIVET AS BOARDLOCK

L TYPE
WITH #4-40UNC HEX NUT IN THE FRONT OF THE SHELL

M TYPE
WITH #4-40UNC ROUND NUT IN THE FRONT OF THE SHELL

P TYPE
WITH #4-40UNC IN THE REAR SHELL
USE PRESS FIT BOARDLOCK
# D-SUB Connector Part No. Information

### D-SUB Connector

- **Series No.**
  - 1XX: Right Angle Type
    - 100: Footprint = 8.08 mm
    - 120: Footprint = 14.84 mm
    - 121: Footprint = 8.00 mm
    - 131: Footprint = 1.60 mm
    - 132: Footprint = 2.00 mm
    - 160: Footprint = 5.08 mm
  - 2XX: Straight Type
    - 200: Length = 4.85 mm
    - 210: Length = 5.00 mm
    - 250: Press Fit PCB Type
  - 3XX: Wire Type
    - 300: Length = 10.50 mm
    - 310: Length = 13.50 mm
    - 320: Length = 17.50 mm
  - 4XX: Solder Cup Type
    - 400
  - 5XX: Crimp Type
    - 500
  - 6XX: Straddle Mount Type
    - 600
  - 9XX: Machine Pin Type
    - 900: Footprint = 8.00 mm
    - 910: Footprint = 10.20 mm
    - 930: Footprint = 8.19 mm
    - 931: Footprint = 10.39 mm

### PCB or Terminal Type
- Pa: Right Angle Type
- P: Straight Type
- W: Wire Type
- Sc: Solder Cup Type
- Cr: Crimp Type
- Ste: Straddle Mount Type

### Gender
- M: Male
- F: Female

### No. of Contact
- 09, 15, 25, 37, 50

### Boardlock Option
- X: Without Prong Board
- 1: 2 Prong Board Lock
- 4: 4 Prong Board Lock

### Contact Plating Option
- Gf: Gold Flash
- G30: 30u Gold Plating
- Gi: Gold Flash on Contact, Tin Plated on Solder Tail
- G15t: 15u Gold on Contact, Tin Plated on Solder Tail
- G30t: 30u Gold on Contact, Tin Plated on Solder Tail

### Mounting Type
**For Right Angle Type**
- a: With #4-40UNC Thread Insert Grounding Bracket & Boardlock
- an: Without #4-40UNC Thread Insert
- b: With #4-40UNC Thread Insert Grounding Bracket
- c: With Fixed #4-40UNC Hex Nut Grounding Bracket & Boardlock
- d: With Fixed #4-40UNC Hex Nut Grounding Bracket
- e: With #4-40UNC Thread Insert Grounding Strap
- en: Without #4-40UNC Thread Insert with Grounding Strap
- rc: With Fixed #4-40UNC Round Nut Grounding Bracket & Boardlock
- rd: With Fixed #4-40UNC Round Nut Grounding Bracket

**For Straight Type**
- H: With Mounting Hole Only
- i: With #4-40UNC Hex Nut in the Rear of the Shell
- j: With #4-40UNC Round Nut in the Rear of the Shell
- k: With #4-40UNC in the Rear Shell Use Rivet AS Boardlock
- l: With #4-40UNC Hex Nut in the Front of the Shell
- m: With #4-40UNC Round Nut in the Front of the Shell
- jP: With #4-40UNC Round Nut with Plastic Insert in the Rear of the Shell
- p: With #4-40UNC in the Rear Shell Use Press Fit Boardlock

### Note:
Some sizes, styles, and option are non-standard, non-cancellable, non-returnable.

www.mmtmachrone.com

**USA**
- Tel: 1-510-979-2188
- Fax: 1-510-979-2189

**Taiwan**
- Tel: 886-2-2755-3193
- Fax: 886-2-2784-5109

**Singapore**
- Tel: 65-6274-0566
- Fax: 65-6274-7891
### D-SUB 600 SERIES

**MOUNTING TYPE H & I**

#### STRADDLE TYPE - Ste

**MOUNTING TYPE H**

![Diagram of MOUNTING TYPE H]

<table>
<thead>
<tr>
<th>PART NO.</th>
<th>NO. OF CONTACTS</th>
<th>DIMENSION</th>
</tr>
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<tbody>
<tr>
<td>09600-SteM06G0-H</td>
<td>6P</td>
<td>18.92 24.99 30.81</td>
</tr>
<tr>
<td>09600-SteM15G0-H</td>
<td>15P</td>
<td>25.50 33.32 39.14</td>
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<tr>
<td>09600-SteM25G0-H</td>
<td>25P</td>
<td>38.96 47.04 53.04</td>
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<tr>
<td>09600-SteM37G0-H</td>
<td>37P</td>
<td>55.42 63.50 69.52</td>
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</tbody>
</table>

**MOUNTING TYPE I**

![Diagram of MOUNTING TYPE I]

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### D-SUB CONNECTOR

- **SERIES NO.** 600
- **PCB TYPE** STRADDLE MOUNT TYPE
- **CONTACT PLATING OPTION** Gf: GOLD FLASH
- **H & I** H: WITH MOUNTING HOLE ONLY I: WITH #4-40UNO HEX NUT IN THE REAR OF THE SHELL

### ELECTRICAL CHARACTERISTICS
- **CONTACT CURRENT RATING:** 1A
- **CONTACT RESISTANCE:** 25 MOHM MAX
- **INSULATION RESISTANCE:** 5000 MOHM MIN. AT DC 500V
- **DIELECTRIC WITHSTANDING VOLTAGE:** AC 1000V 1 MINUTE
- **OPERATING TEMPERATURE:** -55°C~+105°C

### MECHANICAL CHARACTERISTICS
- **CONTACT INSERTION FORCE:** 341 g MAX.
- **CONTACT SEPARATION FORCE:** 21 g MIN.
- **MATERIALS**
  - **INSULATOR:** P.B.T UL 94V-0 RATED
  - **SHELL:** COLD ROLLER STEEL
  - **CONTACTS:** BRASS
D-SUB 600 SERIES  MOUNTING TYPE J & L  STRADDLE TYPE - Ste

MOUNTING TYPE K

MOUNTING TYPE L

<table>
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<tr>
<th>PART NO.</th>
<th>NO. OF CONTACTS (SHELL SIZE)</th>
<th>A</th>
<th>B</th>
<th>C</th>
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<tbody>
<tr>
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ELECTRICAL CHARACTERISTIC
- CONTACT CURRENT RATING: 1A
- CONTACT RESISTANCE: 25 mOHM MAX
- INSULATION RESISTANCE: 5000 mOHM MIN. AT DC 500V
- DIELECTRIC WITHSTANDING VOLTAGE: AC 1000V 1 MINUTE
- OPERATING TEMPERATURE: -55°C ~ +105°C

MECHANICAL CHARACTERISTICS
- CONTACT INSERTION FORCE: 341 g MAX.
- CONTACT SEPARATION FORCE: 21 g MIN.

MATERIALS
- INSULATOR: P.B.T UL 94V-0 RATED
- SHELL: COLD ROLLER STEEL
- CONTACTS: BRASS

NOTE: SOME SIZES, STYLES AND OPTION ARE NON-STANDARD, NON-CANCELLABLE, NON-RETURNABLE
**D-SUB 600 SERIES**

**MOUNTING TYPE M**

**Straddle Type - Ste**

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**Mechanical Characteristics**

- **Contact Insertion Force:** 341 g MAX.
- **Contact Separation Force:** 21 g MIN.

**Materials**

- **Insulator:** P.B.T UL 94V-0 Rated
- **Shell:** Cold Roller Steel
- **Contacts:** Brass

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**Electrical Characteristics**

- **Contact Current Rating:** 1A
- **Contact Resistance:** 25 mOHM MAX
- **Insulation Resistance:** 5000 MOHM MIN. AT DC 500V
- **Dielectric Withstanding Voltage:** AC 1000V 1 MINUTE
- **Operating Temperature:** -55°C ~ +105°C

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**Part No. | No. of Contacts | Dimension**
---|---|---
DB600-SteM09Gf-M | 9P | A: 16.92 | B: 24.99 | C: 30.81
DB600-SteM15Gf-M | 15P | 25.50 | 33.32 | 39.14
DB600-SteM25Gf-M | 25P | 38.96 | 47.04 | 53.04
DB600-SteM37Gf-M | 37P | 55.42 | 63.50 | 69.32

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**DB 600 Ste M XX GX M**

- **Series No.**
- **Contact Plating Option**
- **Contact Plating Option**
- **Mounting Type**

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