



RECOMMENDED P.C.B LAYOUT  
INSPECTION DIMENSION:(A)~(K)

**SPECIFICATIONS**

1. D-SUB
- 1.1 Voltage: 250 VAC(RMS) Max.
- 1.2 Current Rating: 3 Ampere per Contact
- 1.3 Contact Resistance: 25 Milliohms Max.
- 1.4 Insulation Resistance: 5000 Megohms Min.
- 1.5 Dielectric Withstanding Voltage: 1000V AC(RMS)
- 1.6 Total Mating Force: 4.0 Kgf Max.
- 1.7 Total Unmating Force: 1.0 Kgf Min.
- 1.8 Operating Temperature: -55°C to +85°C

**NOTES**

1. MATERIAL:
  - Housing:PBT, UL 94V-0, Color:Black.
  - Connecting Pedestal:PBT, UL 94V-0, Color:Black.
  - Terminal:Copper Alloy.
  - Shell:SPCC.
  - Boardlock:Copper Alloy.
  - Bracket:Zinc Alloy.
2. FINISH:
  - Terminal:Gold Plated over Nickel at Contact Area.
  - Tin Plated over Nickel at Solder Area.
  - Shell:Nickel Plated.
  - Boardlock:Tin Plated.
  - Bracket:Nickel Plated.
3. This Product is LEAD-FREE & RoHS Compliance Product.

**D20HXXXXX 1XXXXXXN0**

SERIES NO. \_\_\_\_\_

**TOP CONNECTOR TYPE**

- 1P: 9-POS. MALE (9P)
- 1S: 9-POS. FEMALE (9S)
- 2P: 15-POS. MALE (15P)
- 2S: 15-POS. FEMALE (15S)
- 3P: 25-POS. MALE (25P)
- 3S: 25-POS. FEMALE (25S)
- 4P: 37-POS. MALE (37P)
- 4S: 37-POS. FEMALE (37S)

**BOTTOM CONNECTOR TYPE**

- 00: NONE
- 1P: 9-POS. MALE (9P)
- 1S: 9-POS. FEMALE (9S)
- 2P: 15-POS. MALE (15P)
- 2S: 15-POS. FEMALE (15S)
- 3P: 25-POS. MALE (25P)
- 3S: 25-POS. FEMALE (25S)
- 4P: 37-POS. MALE (37P)
- 4S: 37-POS. FEMALE (37S)

**SPACING BETWEEN PORTS**

**TYPE C-C (PROFILE)**

- A: 15.88 mm(0.625")
- B: 19.05 mm(0.75")
- E: 22.86 mm(0.90")

**CONTACT MATERIALS**

1: BRASS

**CONTACT FINISH**

- 1: G/F BRIGHT TIN
- 3: 15μ GOLD BRIGHT TIN
- 5: FULL GOLD
- 7: G/F MATTE TIN

**INSULATOR MATERIALS**

- 1: PBT
- 3: PAST
- 4: PAST

**COLOR STYLE**

- 1: ALL BLACK
- 3: ALL GREEN
- G: UPPER-GREEN, LOWER-BLACK

**FLANGE MOUNTING OPTION**

- 1: #4-40 THREADED HOLE
- 2: M3 THREADED HOLE
- 3: Ø3.05mm CLEAR HOLE
- 4: #4-40 THREADED SCREWLOCK CLINCHED-MOUNT INSTALLED (4.8)
- 5: #4-40 THREADED SCREWLOCK CLINCHED-MOUNT INSTALLED (5.8)
- A: #4-40 THREADED HOLE WITH #4-40UNC SCREWLOCK INSTALLED (4.8x11.8)
- E: #4-40 THREADED HOLE WITH #4-40UNC SCREWLOCK INSTALLED (5.8x13.0)
- F: #4-40 THREADED HOLE WITH #4-40UNC SCREWLOCK BULK-PACKED (5.8x13.0)

**BOARD MOUNTING OPTION**

- 0: NONE
- C: QUAD ARROWHEAD BOARDLOCK (8.08x8.0)
- C: QUAD ARROWHEAD BOARDLOCK (9.5x7.0)
- F: DUAL ARROWHEAD BOARDLOCK (8.08x8.0)
- H: DUAL ARROWHEAD BOARDLOCK (9.5x7.0)

**FRONT SHELL FINISH**

- 1: TIN
- 2: NICKEL

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REV.		CONTENTS		DATE		ENTERPRISES CO.,LTD	
<p>UNLESS OTHERWISE SPECIFIED TOLERANCE mm:</p> <p>∅0 = ±0.25</p> <p>∅00 = ±0.13</p> <p>Ang: 0.0 = ±2°</p>	Drawn		Shao Jianfeng		Title: <u>D20H SERIES</u>		
	Designed		He Wei		D-SUB CONNECTOR 9 MALE/ DUAL PORT		
	Approval		Lee Jun De		File NO. C-ED-B-D20H-004		
Scale		1:1		Size A4		Drawing NO. D20H1P00B1X2A111N0	
SHEET		1		Units mm			