



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 Ared.  
Shell:Nickel Plated.  
Boardlock:Tin Plated.  
Bracket:Nickel Plated.
3. This Product is LEAD-FREE & RoHS Compliance Product.

SERIES NO.		D20HXXXXX 1XXXXXXN0	
TOP CONNECTOR TYPE		INSULATOR MATERIALS	
1P: 9-POS. MALE (9P)		1: PBT	
1S: 9-POS. FEMALE (9S)		3: PAGT	
2P: 15-POS. MALE (15P)		4: PAGT	
2S: 15-POS. FEMALE (15S)		COLOR STYLE	
3P: 25-POS. MALE (25P)		1: ALL BLACK	
3S: 25-POS. FEMALE (25S)		3: ALL GREEN	
4P: 37-POS. MALE (37P)		G: UPPER-GREEN, LOWER-BLACK	
4S: 37-POS. FEMALE (37S)		FLANGE MOUNTING OPTION	
BOTTOM CONNECTOR TYPE		1: #4-40 THREADED HOLE	
00: NONE		2: M3 THREADED HOLE	
1P: 9-POS. MALE (9P)		3: Ø3.05mm CLEAR HOLE	
1S: 9-POS. FEMALE (9S)		4: #4-40 THREADED SCREWLOCK	
2P: 15-POS. MALE (15P)		CLINCHED-MOUNT INSTALLED (4.8)	
2S: 15-POS. FEMALE (15S)		5: #4-40 THREADED SCREWLOCK	
3P: 25-POS. MALE (25P)		CLINCHED-MOUNT INSTALLED (5.8)	
3S: 25-POS. FEMALE (25S)		A: #4-40 THREADED HOLE WITH #4-40UNC	
4P: 37-POS. MALE (37P)		SCREWLOCK INSTALLED (4.8x11.8)	
4S: 37-POS. FEMALE (37S)		E: #4-40 THREADED HOLE WITH #4-40UNC	
SPACING BETWEEN PORTS		SCREWLOCK INSTALLED (5.8x13.0)	
TYPE C-C (PROFILE)		F: #4-40 THREADED HOLE WITH #4-40UNC	
A: 15.88 mm(0.625")		SCREWLOCK BULK-PACKED (5.8x13.0)	
B: 19.05 mm(0.75")		BOARD MOUNTING OPTION	
E: 22.86 mm(0.90")		0: NONE	
CONTACT MATERIALS		A: QUAD ARROWHEAD BOARDLOCK (8.08x8.0)	
1: BRASS		C: QUAD ARROWHEAD BOARDLOCK (9.5x7.0)	
CONTACT FINISH		E: DUAL ARROWHEAD BOARDLOCK (8.08x8.0)	
1: G/F BRIGHT TIN		H: DUAL ARROWHEAD BOARDLOCK (9.5x7.0)	
3: 15u" GOLD BRIGHT TIN		FRONT SHELL FINISH	
5: FULL GOLD		1: TIN	
7: G/F MATTE TIN		2: NICKEL	

FEN YING®				ENTERPRISES CO.,LTD			
A0				An Issue.			
REV.				2010.02.25			
CONTENTS				DATE			
Drawn				Shao Jianfeng			
Designed				He Wei			
Approval				Lee Jun De			
Scale				1:1			
SHEET				1			
Size				A4			
Units				mm			
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Drawing NO.				D20H1P00B1X2A111N0			

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Title: D20H SERIES

D-SUB CONNECTOR 9 MALE/ DUAL PORT

File NO. C-ED-B-D20H-004

Drawing NO. D20H1P00B1X2A111N0