



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

## 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: 1000 Megohms Min.
- 1.5 Dielectric Withstanding Voltage: 500 VAC(RMS)
- 1.6 Total Mating Force: 6.0 Kgf Max.
- 1.7 Total Unmating Force: 1.2 Kgf Min.
- 1.8 Operating Temperature: -55°C to +85°C



## NOTES

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

SERIES NO. SM50XXX		1XXXXXXXXXN0
NUMBER OF POSITION		N: IT'S COMPLIANT WITH RoHS
H7: 15-POSITIONS HI-DEN. (FRONT:7 POS, REAR:8 POS)		INSULATOR MATERIALS
HB: 15-POSITIONS HI-DEN. (FRONT:8 POS, REAR:7 POS)		1: PBT
CONTACT STYLE		3: PA9T
S: SOCKET		4: PA6T
CONTACT MATERIALS		COLOR STYLE
1: BRASS		1: ALL BLACK
CONTACT FINISH		2: ALL BLUE
1: G/F BRIGHT TIN		FLANGE MOUNTING OPTION
3: 15u" GOLD BRIGHT TIN		1: #4-40 THREADED HOLE
4: 30u" GOLD BRIGHT TIN		L: #4-40 THREADED HOLE WITH #4-40UNC
FRONT SHELL FINISH		SCREWLOCK INSTALLED (4.8x9.5)
1: TIN		M: #4-40 THREADED HOLE WITH #4-40UNC
2: NICKEL		SCREWLOCK BULK-PACKED (4.8x9.5)
		BOARD MOUNTING OPTION
		2: 2-FINGER BOARDLOCK
		3: 3-FINGER BOARDLOCK

A0		An issue.	2015.01.16
REV.	CONTENTS	DATE	
Drawn		Shao Jianfeng	
Designed		He Wei	
Approval		Lee Jun De	
Scale	1:1	Size	A4
SHEET	1	Units	mm
File NO.		C-ED-B-SM50-021	
Drawing NO.		SM50H8S1X22L11N0	

**FEN YING®**  
ENTERPRISES CO.,LTD

Title: SM50 SERIES  
D-SUB 15 FEMALE HIGH DENSITY CONNECTOR  
SLIM DIP TYPE