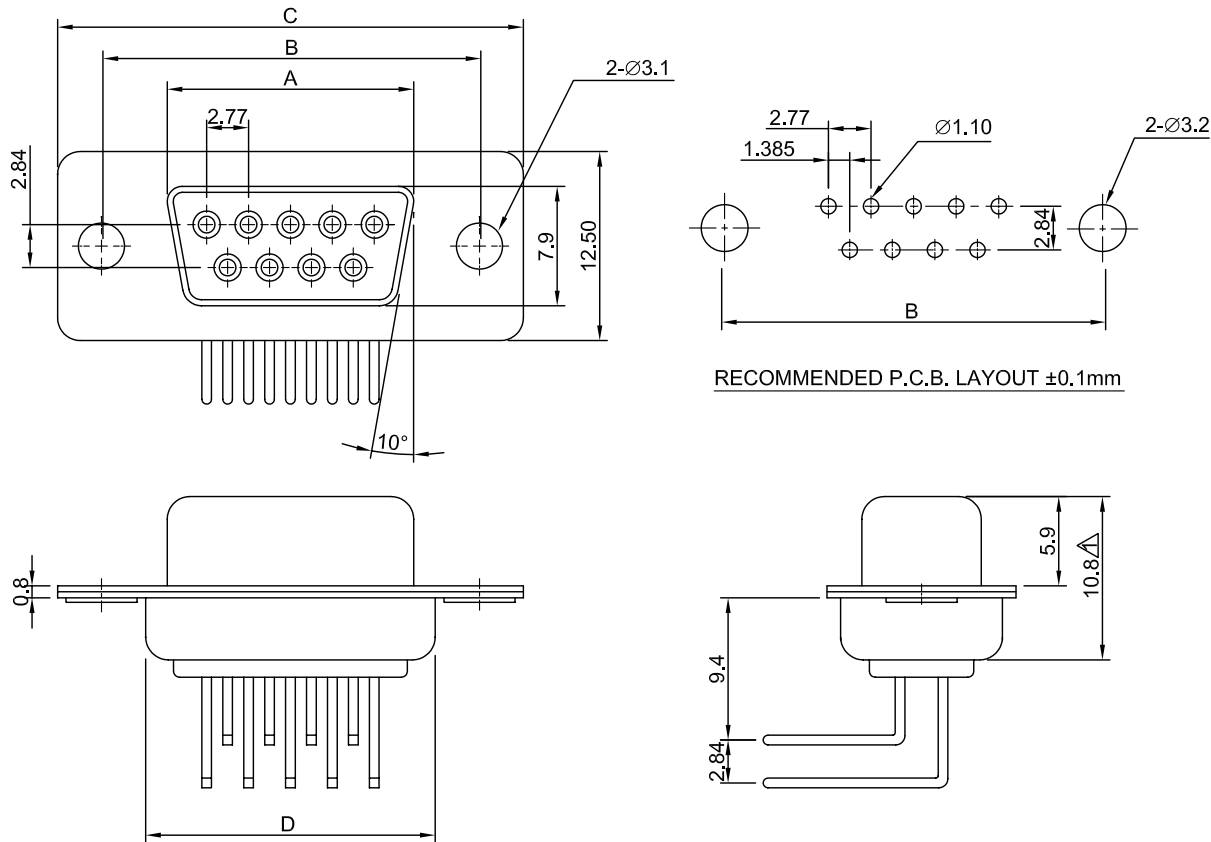


REV.	ECN.	DATE	DWN	APVD
A.1	ECN-080117-01	01/24/08	TRACY	HENRY



RECOMMENDED P.C.B. LAYOUT $\pm 0.1\text{mm}$

MATERIAL:

INSULATOR : THERMOPLASTIC, UL 94V-0.

STANDARD : PBT.

CONTACT : COPPER ALLOY

CONTACT FINISH : FULL GOLD OVER NICKEL.

SHELL : STEEL, NICKEL OR TIN PLATED.

SPECIFICATION:

CURRENT RATING : 5AMP.

DIELECTRIC WITHSTANDING VOLTAGE : 1000V AC FOR 1 MINUTE.

INSULATION RESISTANCE : 1000M Ω MIN. AT 500V DC.

CONTACT RESISTANCE : 15m Ω MAX.

OPERATING TEMPERATURE : -55°C ~ +105°C.

ORDER INFORMATION :

D B 9 B - 0 9 0 A 0 B 2 0 0 - R
1 2 3 4 5 6 7 8 9 10

1. SERIES:

2. POSITION:
09 15 25 37

3. CONTACT TYPE/MATERIAL:
0=FEMALE/COPPER ALLOY
1=MALE/COPPER ALLOY

4. CONTACT PLATING:
A=FULL GOLD FLASH

5. INSULATOR COLOR:
0=WHITE
1=BLACK

6. INSULATOR MATERIAL:
B=PBT
C=NYLON

7. SHELL PLATING:

1=NICKEL
2=TIN
3=ZINC

8. PROCESS OPTION:
0=THRU. HOLE
1=4.0mm OPEN HEX RIVET
2=5.8mm OPEN HEX RIVET

9. PARTS OPTION:
0=NON ACCESSORIES
1=REAR RIVET+FIXED
SCREWS 4.8X10.1mm
4=REAR RIVET 4#40
7=FRONT RIVET 4#40

10. GREEN PRODUCT:
R=RoHS COMPLIANT

POSITION	A ± 0.20	B ± 0.20	C ± 0.38	D ± 0.20
09 PIN	16.30	25.00	30.80	19.15
15 PIN	24.60	33.30	39.20	27.60
25 PIN	38.35	47.05	53.05	41.10
37 PIN	54.80	63.50	69.40	57.40

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GENERAL TOLERANCE
X.X ± 0.25
X.XX ± 0.15
X.XXX ± 0.05
ANGLE TOLERANCE $\pm 1^\circ$
RADIUS ± 0.25
HOLE ± 0.13

DRAWN. JEAN
CHECKED. HENRY
APPROVED. HENRY

DATE 11 - 15 - 2005
DATE 11 - 25 - 2005
DATE 11 - 25 - 2005

DRAWING NO. C-DB0054

CUSTOMER DRAWING

TITLE. 9.4mm D-SUB PCB RIGHT ANGLE MACHINED CONTACT FEMALE

PART NO. DB9B-XX0AXXX00-R

REV A.1

REV.	ECN.	DATE	DWN	APVD

MATERIAL:

INSULATOR : PBT+30% GLASS FIBER (UL 94V-0)
CONTACT : COPPER ALLOY
CONTACT FINISH : FULL GOLD OVER NICKEL
SHELL : STEEL ,NICKEL OR TIN PLATED

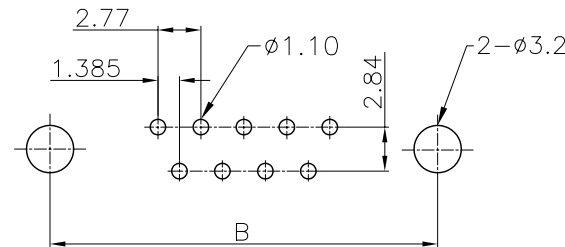
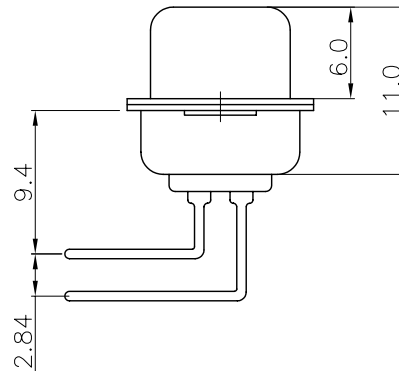
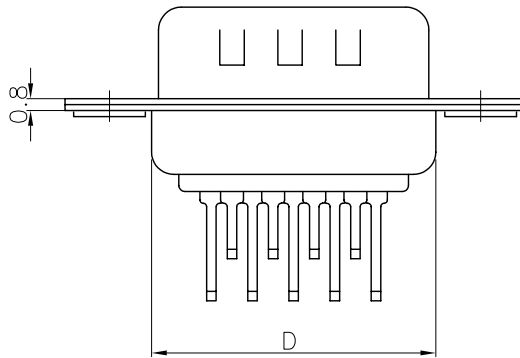
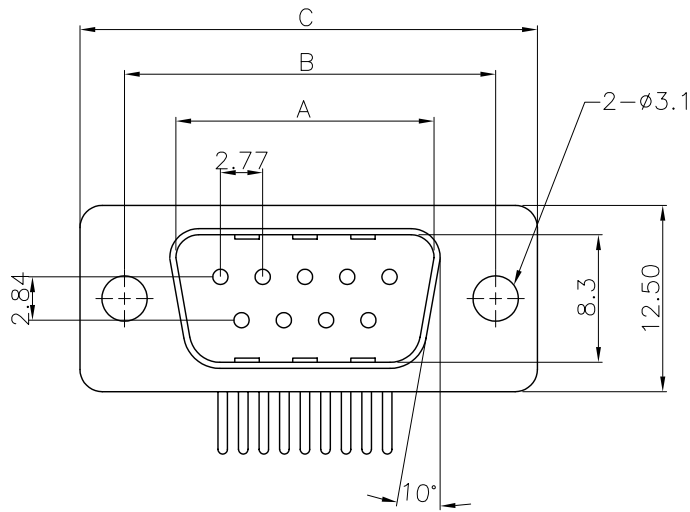
SPECIFICATION:

CURRENT RATING : 5A
DIELECTRIC WITHSTANDING VOLTAGE : 1000V AC FOR 1 MINUTE
INSULATION RESISTANCE : 1000MΩ MIN. AT 500V DC
CONTACT RESISTANCE : 15mΩ MAX.
OPERATING TEMPERATURE : -55°C ~ +105°C.

Order Information :

D B 9 B - 0 9 1 A 0 B 2 0 0 - R
1 2 3 4 5 6 7 8 9

1. SERIES NUMBER	DB9B : 9.4mm D-SUB PCB RIGHT ANGLE MACHINED CONTACT
2. POSITION	09 15 25 37 50
3. CONTACT TYPE	1 : MALE
4. CONTACT PLATING	A : FULL GOLD PLATED
5. INSULATOR COLOR	0 : WHITE 1 : BLACK
6. INSULATOR MATERIAL	B : PBT C : NYLON
7. SHELL PLATING	1 : NICKEL 2 : TIN 3 : ZINC
8. MATING AND MOUNTING OPTIONS	00 : THROUGH HOLE ONLY (SEE MOUNTING OPTON FOR THERS MOUNTING)
9. GREEN PRODUCT	BLANK : NOT GREEN PRODUCT R : RoHS



RECOMMENDED P.C.B. LAYOUT

POSITION	A ± 0.20	B ± 0.20	C ± 0.38	D ± 0.20
09 Pin	16.90	25.00	30.80	19.15
15 Pin	25.25	33.30	39.20	27.60
25 Pin	38.95	47.05	53.05	41.10
37 Pin	55.40	63.50	69.40	57.40

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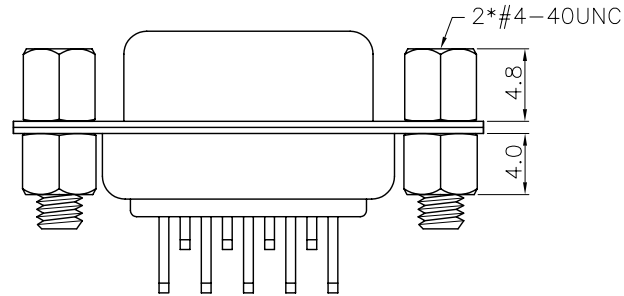
SIZE A4	UNIT mm	SCALE 2 / 1	SHEET 1 OF 1	
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GENERAL TOLERANCE
X.X ± 0.25
X.XX ± 0.15
X.XXX ± 0.05
ANGLE TOLERANCE ± 1°
RADIUS ± 0.25
HOLE ± 0.13

DRAWN. JEAN	DATE 11 - 15 - 2005	DRAWING NO. DB9B-XX1AXXX00-R	C03003
CHECKED. HENRY	DATE 11 - 25 - 2005	TITLE. 9.4mm D-SUB PCB RIGHT ANGLE MACHINED CONTACT	
APPROVED. HENRY	DATE 11 - 25 - 2005	PART NO. DB9B-XX1AXXX00-R	REV A.0

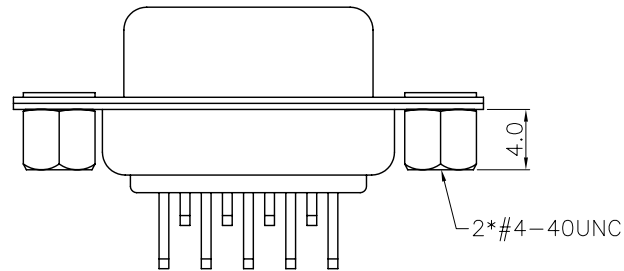
REV.	ECN.	DATE	DWN	APVD

11



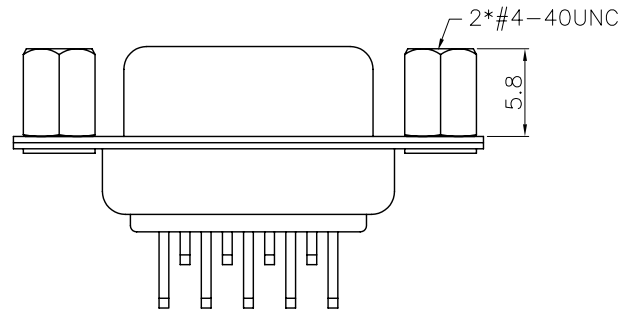
RIVETED #4-40 NUTS WITH JACK SCREWS

14



RIVETED REAR #4-40 NUTS

27



RIVETED FRONT #4-40 NUTS

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GENERAL TOLERANCE
X.X ± 0.25
X.XX ± 0.15
X.XXX ± 0.05
ANGLE TOLERANCE $\pm 1^\circ$
RADIUS ± 0.25
HOLE ± 0.13

DRAWN.	JEAN
CHECKED.	HENRY
APPROVED.	HENRY

DATE	11 - 15 - 2005
DATE	11 - 25 - 2005
DATE	11 - 25 - 2005

DRAWING NO.	DB9B-MOUNT	C03003
TITLE.	9.4 D-SUB CONN RIGHT ANGLE MACHINED CONTACT	
PART NO.	DB9B-MOUNT	REV A.0

SIZE A4	UNIT mm	SCALE. 2 / 1	SHEET. 1 OF 1	
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