

SPECIFICATIONS:

**MATERIALS:**

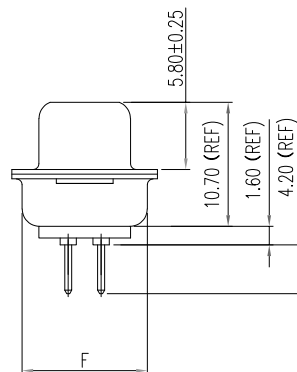
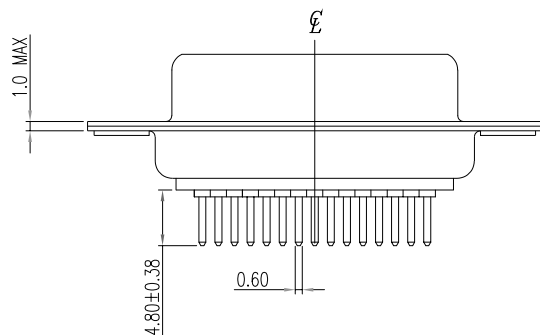
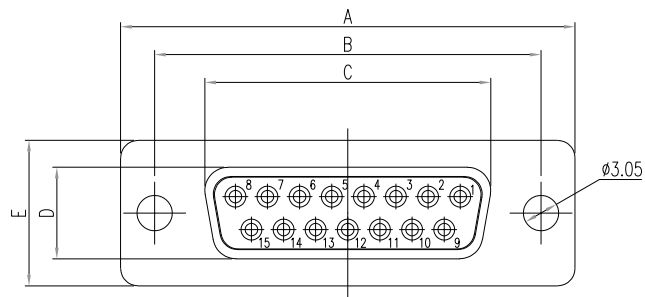
INSULATOR: GLASS-FILLED NYLON THERMOPLASTIC, UL94 V-0  
 PROCESS TEMP: 260°C  
 CONTACTS: GOLD PLATED BRASS  
 SHELL: NICKEL PLATED STEEL

**ELECTRICAL:**

RATED CURRENT: 5A  
 WORKING VOLTAGE: 250VAC  
 INSULATION RESISTANCE: 1000 MOhms MIN.  
 CONTACT RESISTANCE: 15 mOhms MAX.

**ENVIRONMENT:**

OPERATING TEMPERATURE: -55°C TO +125°C



DIMENSIONS(mm)						
SIZE	A <sup>+0.39</sup> <sub>-0.39</sub>	B <sup>+0.25</sup> <sub>-0.25</sub>	C <sup>+0.25</sup> <sub>-0.25</sub>	D <sup>+0.25</sup> <sub>-0.34</sub>	E <sup>+0.38</sup> <sub>-0.38</sub>	F <sup>+0.25</sup> <sub>-0.25</sub>
9	30.81	24.99	16.33	7.90	12.55	10.80
15	39.19	33.32	24.66	7.90	12.55	10.80
25	53.04	47.04	38.38	7.90	12.55	10.80
37	69.32	63.50	54.84	7.90	12.55	10.80
50	67.00	61.10	52.20	10.90	15.40	13.30

**172-EYY-21YRYY1**

- SERIES \_\_\_\_\_
- POSITIONS \_\_\_\_\_
- 09 \_\_\_\_\_
- 15 \_\_\_\_\_
- 25 \_\_\_\_\_
- 37 \_\_\_\_\_
- 50 \_\_\_\_\_
- GENDER \_\_\_\_\_
- 2 = FEMALE
- TERMINATION \_\_\_\_\_
- 1 = DIP SOLDER
- SHELL PLATING \_\_\_\_\_
- 2 = TIN
- 3 = NICKEL
- HARDWARE OPTIONS \_\_\_\_\_
- 00 = NO HARDWARE
- 01 = .098" CLINCH NUT (BOARD SIDE)
- 02 = .236" CLINCH NUT (BOARD SIDE)
- 03 = .236" CLINCH NUT (MOUNTING SIDE)
- 05 = .237" 4-40 BOARD LOCK
- 08 = .228" 4-40 BOARD LOCK
- 90 = .237" 4-40 BOARD LOCK (FOR 0.093" BOARD MAX.)
- 91 = .237" 4-40 SPACER/ BOARD LOCK
- 92 = .237" 4-40 SPACER/ BOARD LOCK (FOR 0.093" BOARD MAX.)
- PLATING OPTIONS \_\_\_\_\_
- 1 = GOLD FLASH
- 2 = 30 MICRO-INCH GOLD
- 3 = 50 MICRO-INCH GOLD
- 5 = 15 MICRO-INCH GOLD

RoHS COMPLIANT

UNITS = mm

DO NOT SCALE FROM DRAWING



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DRAWN:  
P. JENKINS

DATE:  
11/28/2005

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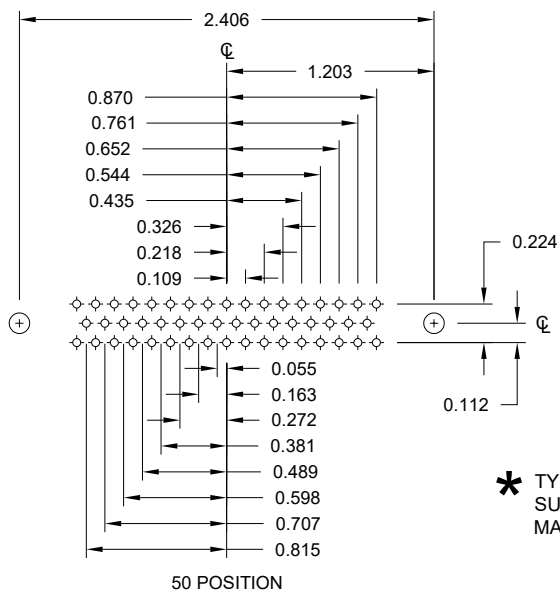
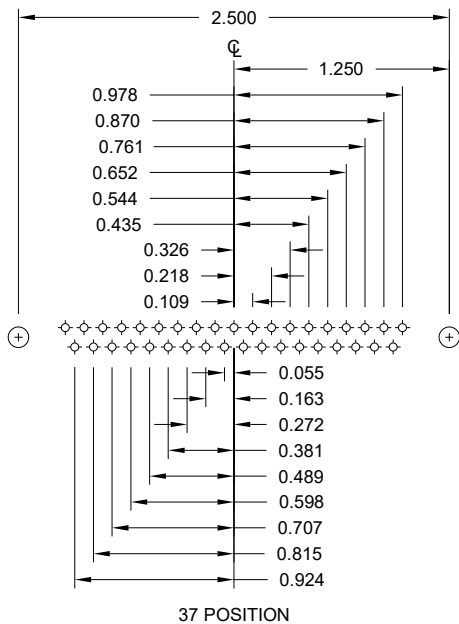
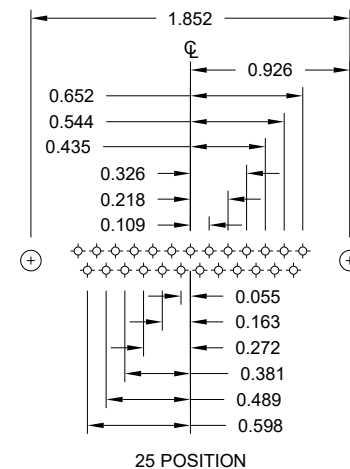
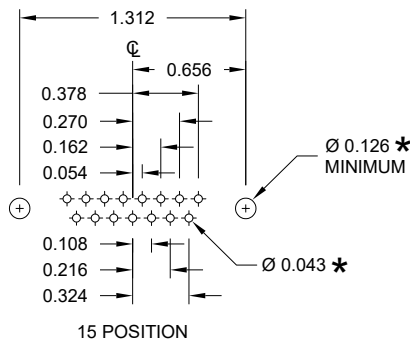
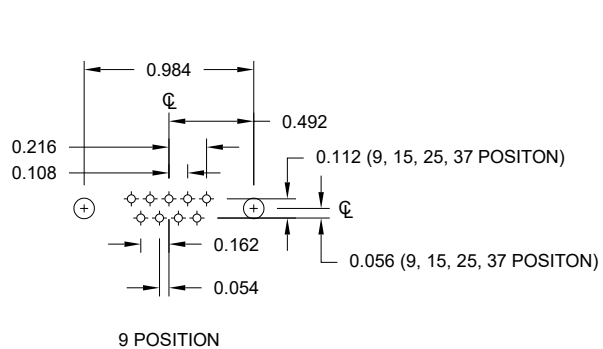
SCALE:  
NTS

SHEET OF  
1 3

REV  
23

DWG NO.

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\* TYP.  
SUGGESTED SIZE  
MAY NOT BE SUITABLE FOR ALL APPLICATIONS

RoHS COMPLIANT

UNITS = inch

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SCALE:  
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SHEET OF  
2 3

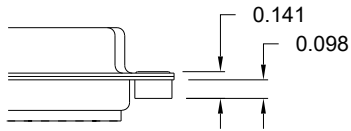
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DWG NO.

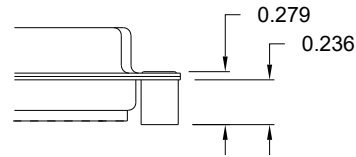
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ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

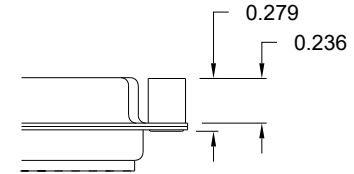
01 ..... 0.098" (BOARD SIDE)



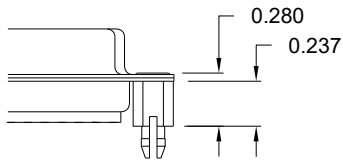
02 ..... 0.236" (BOARD SIDE)



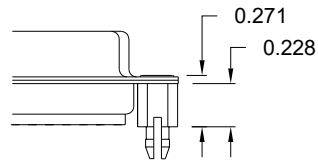
03 ..... 0.236" (MATING SIDE)



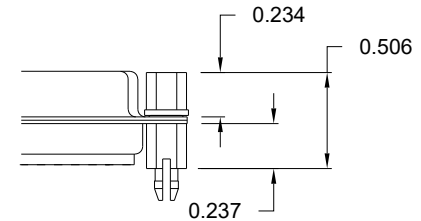
05 ..... 0.237" (BOARD SIDE)



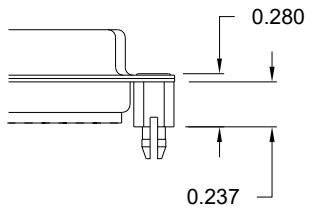
08 ..... 0.228" (BOARD SIDE)



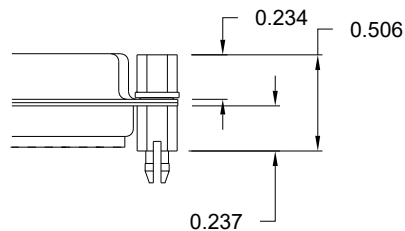
91 ..... 0.237" BOARD SIDE



90 ..... 0.237" (BOARD SIDE)



92 ..... 0.237" BOARD SIDE



NOTE 1: 4-40 FEMALE SCREW LOCKS ARE REMOVABLE  
 NOTE 2: 90 & 92 OPTIONS DESIGNED FOR 0.093" PCB THICKNESS  
 NOTE 3: 05, 08, & 91 OPTIONS DESIGNED FOR 0.063" PCB THICKNESS

**TOLERANCE:**  
 ALL DIMENSIONS ARE  $\pm 0.010$

RoHS COMPLIANT

UNITS = inch

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SCALE:  
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SHEET 3 OF 3

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