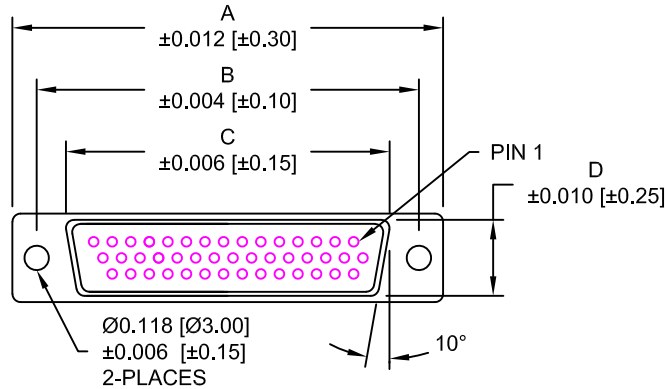


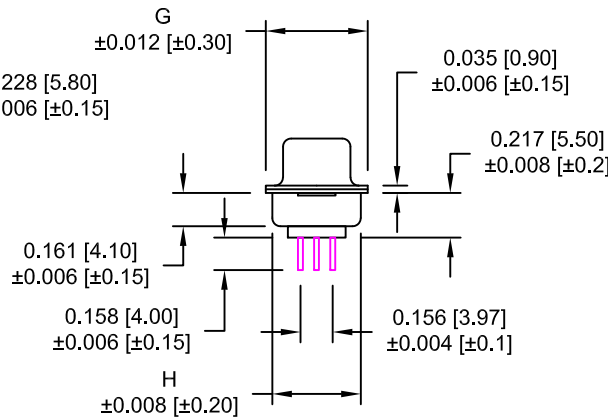
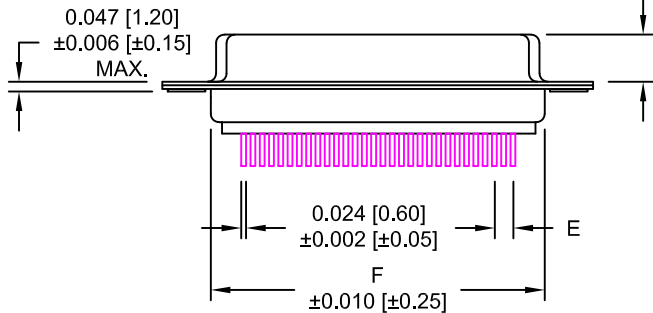
DESCRIPTION: HIGH DENSITY FEMALE - VERTICAL DIP SOLDER

DIMENSIONS

| No. OF PINS | A | B | C | D | E | F | G | H |
|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 15 | 1.213 | 0.984 | 0.643 | 0.311 | 0.090 | 0.756 | 0.496 | 0.429 |
| | 30.80 | 24.99 | 16.34 | 7.90 | 2.29 | 19.20 | 12.60 | 10.90 |
| 26 | 1.541 | 1.312 | 0.966 | 0.311 | 0.090 | 1.091 | 0.496 | 0.429 |
| | 39.15 | 33.32 | 24.53 | 7.90 | 2.29 | 27.70 | 12.60 | 10.90 |
| 44 | 2.087 | 1.852 | 1.512 | 0.311 | 0.090 | 1.618 | 0.496 | 0.429 |
| | 53.00 | 47.04 | 38.40 | 7.90 | 2.29 | 41.10 | 12.60 | 10.90 |
| 62 | 2.728 | 2.500 | 2.155 | 0.311 | 0.095 | 2.256 | 0.496 | 0.429 |
| | 69.30 | 63.50 | 54.76 | 7.90 | 2.41 | 57.30 | 12.60 | 10.90 |
| 78 | 2.638 | 2.406 | 2.057 | 0.429 | 0.095 | 2.169 | 0.606 | 0.526 |
| | 67.00 | 61.10 | 52.26 | 10.90 | 2.41 | 55.10 | 15.40 | 13.35 |



4 ROWS



180-YYY-213RYY1

- SERIES
- POSITIONS
 - 015
 - 026
 - 044
 - 062
 - 078
- GENDER
 - 2 = FEMALE
- TERMINATION
 - 1 = VERTICAL DIP SOLDER
- SHELL PLATING
 - 2 = TIN
 - 3 = NICKEL
- RoHS COMPLIANT (260°C)
- HARDWARE OPTIONS
 - 00 = NO HARDWARE
 - 01 = .098" CLINCH NUT (BOARD SIDE)
 - 02 = .236" CLINCH NUT (BOARD SIDE)
 - 03 = .236" CLINCH NUT (MATING SIDE)
 - 05 = .237" 4-40 BOARD LOCK
 - 08 = .224" 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
 - A = 30u" GOLD MATING AREA, GOLD FLASH OVERALL

MATERIAL:

- SHELL: STEEL, NICKEL PLATED
- INSULATOR: PBT, UL 94V-O RATED, +30% FIBER-GLASS OR NYLON-66
- CONTACT: BRASS, GOLD PLATED OVER NICKEL

ELECTRICAL:

- CURRENT RATING: 3 AMPS
- CONTACT RESISTANCE: 15 mOhms Max.
- INSULATION RESISTANCE: 1,000 MOhms min.
- VOLTAGE: 500VAC FOR 1 MINUTE
- TEMPERATURE: -50° C TO 100° C

DO NOT SCALE FROM DRAWING



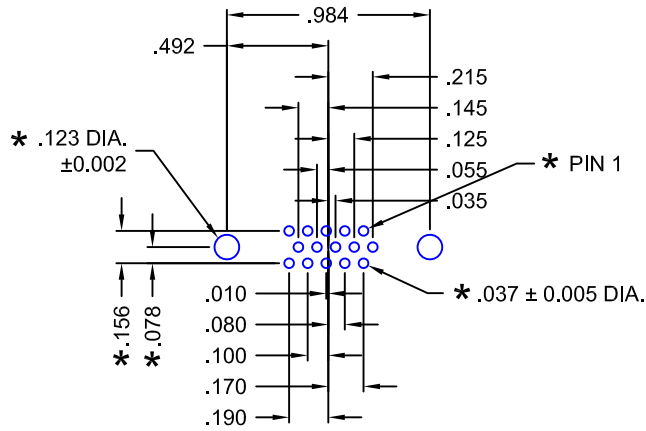
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| | |
|----------------------------|--------------------|
| DRAWN: PAM JENKINS | DATE: 09-12-05 |
| CHECKED: | DATE: |
| SCALE: 1 : 1 | SHEET 1 OF 3 |
| DWG NO. 180-YYY-213RYY1 | REV 19 |

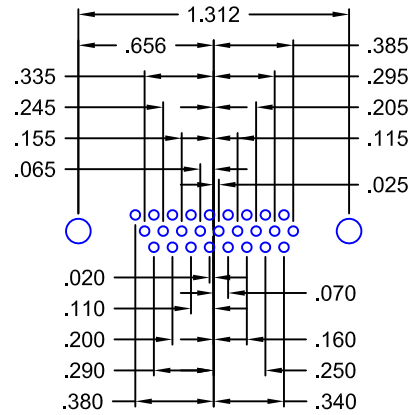
RoHS COMPLIANT

NorComp

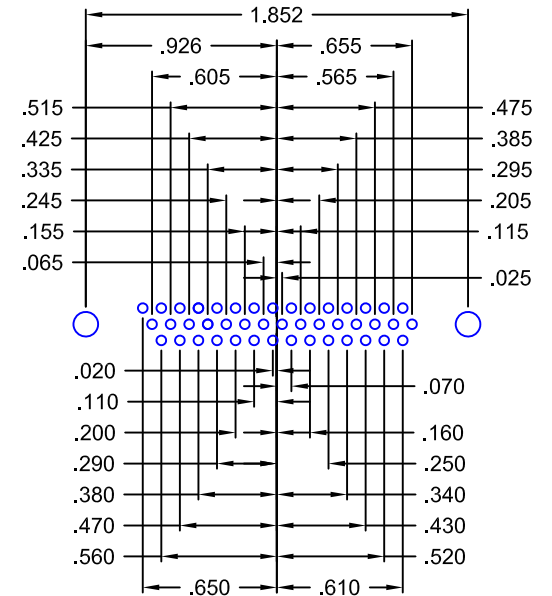
DESCRIPTION: PCB LAYOUT - VERTICAL - FEMALE



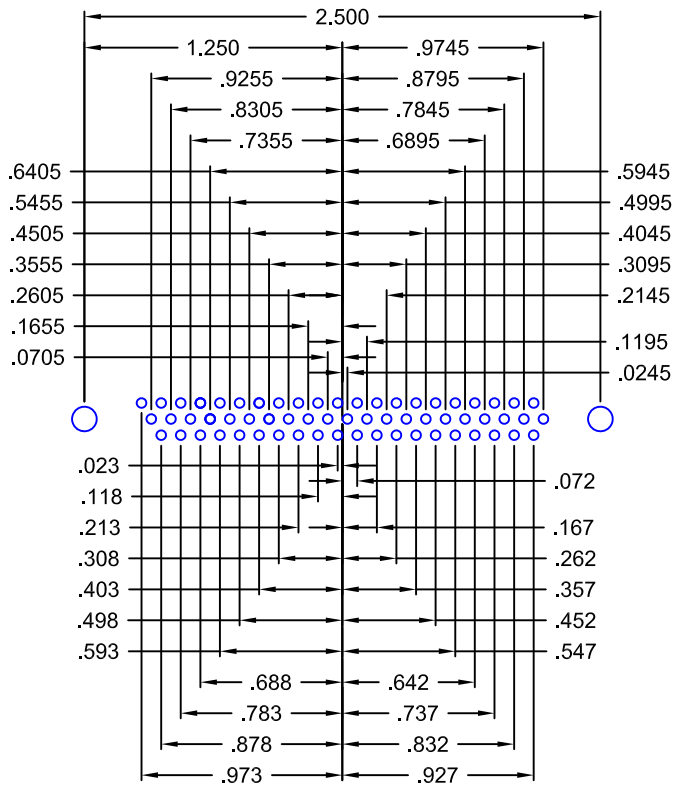
15 POSITION



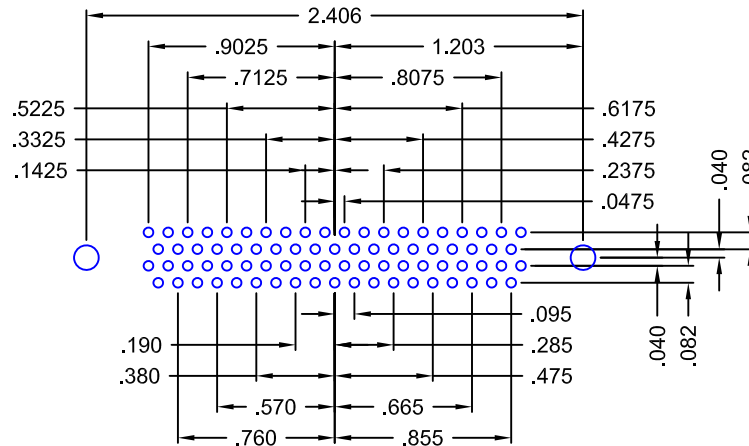
26 POSITION



44 POSITION



62 POSITION



78 POSITION

180 SERIES
HIGH DENSITY
VERTICAL

HOLE PATTERN SHOWN
ARE FOR FEMALE

* TYP. ON ALL SIZES

DO NOT SCALE FROM DRAWING



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| | | | |
|-------------------------|------------|-------------------|-----------|
| DRAWN: PAM JENKINS | | DATE: 09-12-05 | |
| CHECKED: | | DATE: | |
| SCALE: | SHEET 2 | OF 3 | REV 19 |
| DWG NO. 180-YYY-213RYY1 | | | |

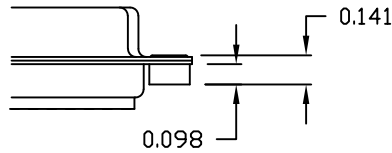
DESCRIPTION: CLINCH NUT HARDWARE

ALL CLINCH-NUTS ARE 4-40 INTERNAL THREADS

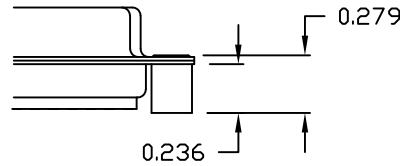
TOLERANCE:

ALL DIMENSIONS ARE ±0.010

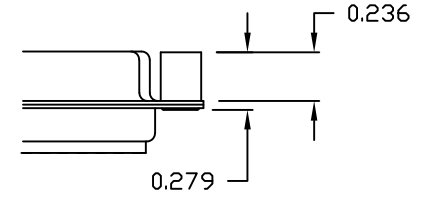
01X 0.098" (BOARD SIDE) - CN1



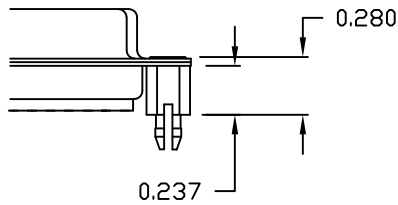
02X 0.236" (BOARD SIDE) - CN2



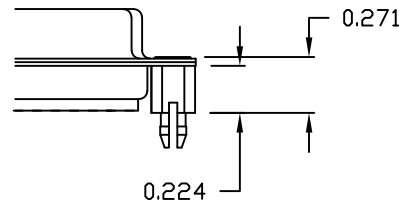
03X..... 0.236" (MATING SIDE) - CN8



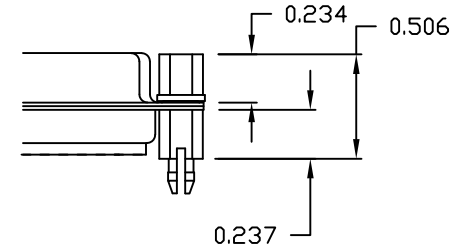
05X 0.237" (BOARD SIDE) - CN10



08X 0.228" (BOARD SIDE) - CN3

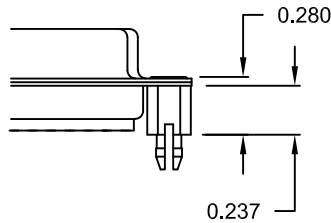


91X 0.237" BOARD SIDE
0.197 MATING SIDE
CN10/SFSO4404

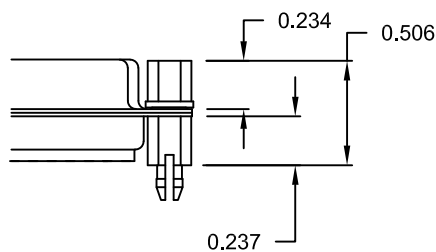


NOTE: 4-40 FEMALE SCREW LOCK IS REMOVABLE

90X 0.237" (BOARD SIDE) - CN10-237-093



92X 0.237" BOARD SIDE
0.197 MATING SIDE
CN10-237-093/SFSO4404



NOTE: 4-40 FEMALE SCREW LOCK IS REMOVABLE

NOTE: 90 & 92 OPTION FOR 0.093" MAX. BOARD THICKNESS

DO NOT SCALE FROM DRAWING

RoHS COMPLIANT



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| | | | |
|-------------------------|------------|-------------------|-----------|
| DRAWN: WAYNE ROBBINS | | DATE: 11-28-05 | |
| CHECKED: | | DATE: | |
| SCALE: | SHEET 3 | OF 3 | REV 19 |
| DWG NO. 180-YYY-213RYY1 | | | |