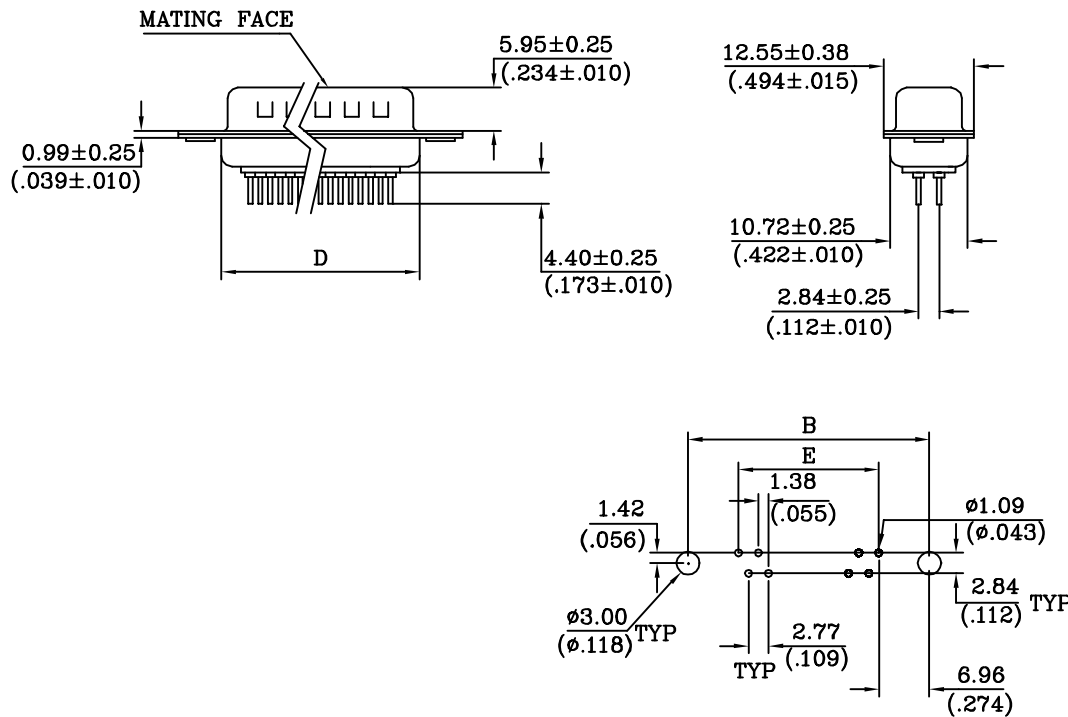
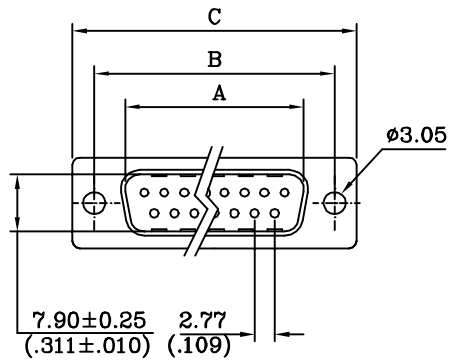




## MATERIALS AND FINISH

SHELL : STEEL MATERIAL, NICKEL FINISHED  
DIMPLES ON PLUG ONLY  
INSULATOR : PBT THERMOPLASTIC, 30% GLASS  
FILLED, UL 94V-0 RATED, BLACK COLOR  
CONTACT MATERIAL: BRASS  
CONTACT FINISH : FULL GOLD FLASH  
GROUNDING BRACKET : BRASS MATERIAL, TIN FINISHED  
RIVETED INSERT : BRASS MATERIAL , NICKEL FINISHED

## ELECTRICAL CHARACTERISTICS

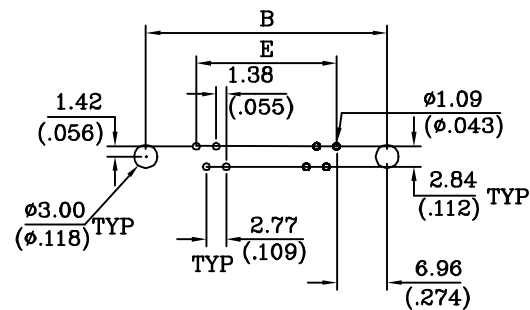
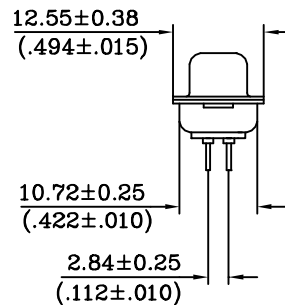
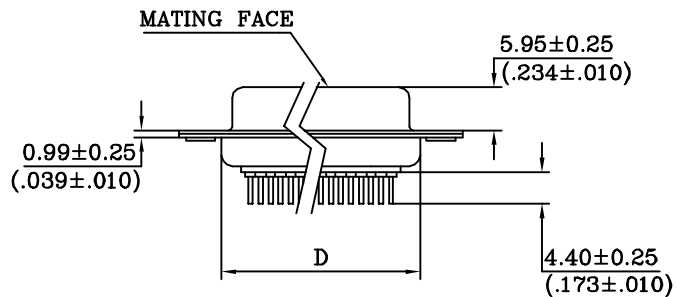
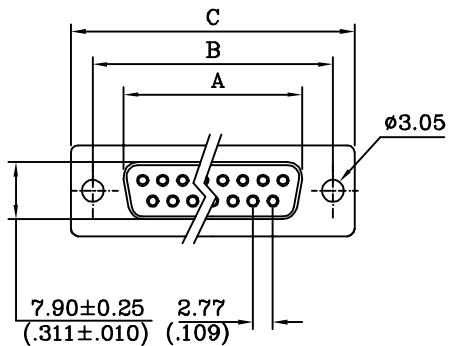
CONTACT CURRENT RATING : 5.0 AMPS  
CONTACT RESISTANCE : 30 MILLIOHMS MAX.  
DIELECTRIC WITHSTANDING VOLTAGE : 1000 V AC MIN.  
INSULATION RESISTANCE : 5000 MEGAOHMS MIN.  
TEMPERATURE RATING : -55°C ~ +105°C

|                     |                  |                                                                                       |
|---------------------|------------------|---------------------------------------------------------------------------------------|
| Series No           | 1151-0XX-100-000 | Options                                                                               |
| No of Contacts      |                  | 00: With 0.120" diameter holes                                                        |
| 09: 9 Pins          |                  | 01: With #4-40 Threaded Rivets<br>Clinch Nuts on Back Shell                           |
| 15: 15 Pins         |                  | 02: With #4-40 Threaded Rivets<br>Boardlocks(Height=6.0mm)                            |
| 25: 25 Pins         |                  | 10: With #4-40 Threaded Rivets<br>Clinch Nuts on Front Shell                          |
| 37: 37 Pins         |                  | 12: With #4-40 Threaded Rivets<br>Boardlocks(Height=6.0mm) &<br>Jack Screws assembled |
| Contact Type        |                  | Insulator                                                                             |
| 1: Plug, Brass      |                  | 0: Black                                                                              |
| 2: Socket, Brass    |                  | 1: White                                                                              |
| Contact Plating     |                  |                                                                                       |
| 00: Full gold flash |                  |                                                                                       |

| No. of Contact | A ±0.25<br>±.010 | B ±0.13<br>±.005 | C ±0.38<br>±.015 | D ±0.25<br>±.010 | E              |
|----------------|------------------|------------------|------------------|------------------|----------------|
| 09             | 16.92<br>.666    | 24.99<br>.984    | 30.81<br>1.213   | 19.28<br>.759    | 11.08<br>.436  |
| 15             | 25.25<br>.994    | 33.32<br>1.312   | 39.14<br>1.541   | 27.51<br>1.083   | 19.39<br>.763  |
| 25             | 38.96<br>1.534   | 47.04<br>1.852   | 53.04<br>2.088   | 41.28<br>1.625   | 33.24<br>1.310 |
| 37             | 55.42<br>2.182   | 63.50<br>2.500   | 69.32<br>2.729   | 57.71<br>2.272   | 49.86<br>1.963 |

## P.C.B LAYOUT

|        |           |     |          |                  |             |              |                                                                 |                           |
|--------|-----------|-----|----------|------------------|-------------|--------------|-----------------------------------------------------------------|---------------------------|
|        |           |     |          | Drawn by         | Zhenxing Fu | 2004.06.24   | D-Sub Connector, Low Profile,<br>Dip Type, Machine Pin Straight |                           |
|        |           |     |          | Designed by      | Zhenxing Fu | 2004.06.24   |                                                                 |                           |
|        |           |     |          | Approved by      | Wangjun     | 2004.06.24   |                                                                 |                           |
|        |           |     |          | Units:mm(inches) | TORERANCE   | Code:000     |                                                                 |                           |
|        |           |     |          |                  | .XX ±0.13   | Scale 1:1    |                                                                 |                           |
| Ver NO | Revisions | CHK | Rev Date | SHEET 1 OF 1     |             | Angles+ \-2° | Ver A0                                                          | Part No. 1151-0XX-100-000 |



P.C.B LAYOUT

| No. of Contact | A $\pm 0.25$<br>$\pm .010$ | B $\pm 0.13$<br>$\pm .005$ | C $\pm 0.38$<br>$\pm .015$ | D $\pm 0.25$<br>$\pm .010$ | E              |
|----------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------|
| 09             | 16.33<br>.643              | 24.99<br>.984              | 30.81<br>1.213             | 19.28<br>.759              | 11.08<br>.436  |
| 15             | 24.66<br>.971              | 33.32<br>1.312             | 39.14<br>1.541             | 27.51<br>1.083             | 19.39<br>.763  |
| 25             | 38.38<br>1.511             | 47.04<br>1.852             | 53.04<br>2.088             | 41.28<br>1.625             | 33.24<br>1.310 |
| 37             | 54.84<br>2.159             | 63.50<br>2.500             | 69.32<br>2.729             | 57.71<br>2.272             | 49.86<br>1.963 |

## MATERIALS AND FINISH

SHELL : STEEL MATERIAL, NICKEL FINISHED  
DIMPLES ON PLUG ONLY

INSULATOR : PBT THERMOPLASTIC, 30% GLASS  
FILLED, UL 94V-0 RATED, BLACK COLOR  
CONTACT MATERIAL: BRASS

CONTACT FINISH : FULL GOLD FLASH

GROUNDING BRACKET : BRASS MATERIAL, TIN FINISHED

RIVETED INSERT : BRASS MATERIAL , NICKEL FINISHED

## ELECTRICAL CHARACTERISTICS

CONTACT CURRENT RATING : 5.0 AMPS

CONTACT RESISTANCE : 30 MILLIOHMS MAX.

DIELECTRIC WITHSTANDING VOLTAGE : 1000 V AC MIN.

INSULATION RESISTANCE : 5000 MEGAOHMS MIN.

TEMPERATURE RATING : -55°C ~ +105°C

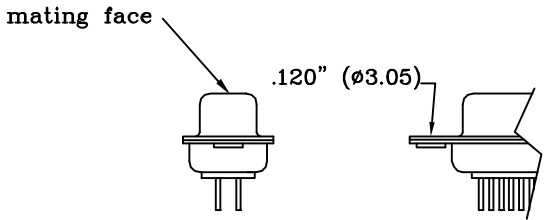
|                 |                                                         |                                                                                                                                                                                                                                                                                                                      |
|-----------------|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series No       | 1151-0XX-200-000                                        | Options                                                                                                                                                                                                                                                                                                              |
| No of Contacts  | 09: 9 Pins<br>15: 15 Pins<br>25: 25 Pins<br>37: 37 Pins | 00: With 0.120" diameter holes<br>01: With #4-40 Threaded Rivets<br>Clinch Nuts on Back Shell<br>02: With #4-40 Threaded Rivets<br>Boardlocks(Height=6.0mm)<br>10: With #4-40 Threaded Rivets<br>Clinch Nuts on Front Shell<br>12: With #4-40 Threaded Rivets<br>Boardlocks(Height=6.0mm) &<br>Jack Screws assembled |
| Contact Type    | 1: Plug, Brass<br>2: Socket, Brass                      | Insulator                                                                                                                                                                                                                                                                                                            |
| Contact Plating | 00: Full gold flash                                     | 0: Black<br>1: White                                                                                                                                                                                                                                                                                                 |

|        |           |             |            |                  |                |            |
|--------|-----------|-------------|------------|------------------|----------------|------------|
|        |           |             |            | Drawn by         | Zhenxing Fu    | 2004.06.24 |
|        |           |             |            | Designed by      | Zhenxing Fu    | 2004.06.24 |
|        |           |             |            | Approved by      | Wangjun        | 2004.06.24 |
|        |           |             |            | Units:mm(inches) | TORERANCE      | Code:000   |
| A0     | Drawing   | Zhenxing FU | 2004.06.24 | XX               | $\pm 0.13$     | Scale 1:1  |
| Ver NO | Revisions | CHK         | Rev Date   | SHEET 1 OF 1     | Angles+ \ - 2° | Ver A0     |

D-Sub Connector, Low Profile,  
Dip Type, Machine Pin Straight

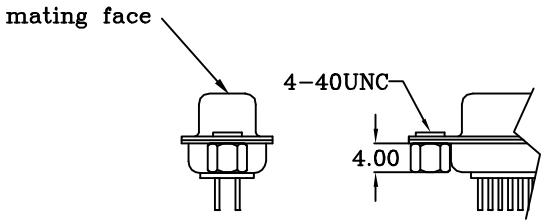
Part No. 1151-0XX-200-000

Options:



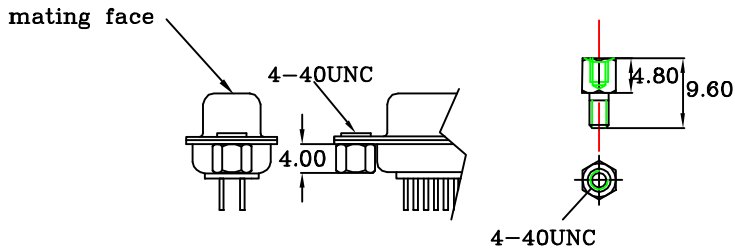
00: With 0.120" diameter holes(blank)

Option 00



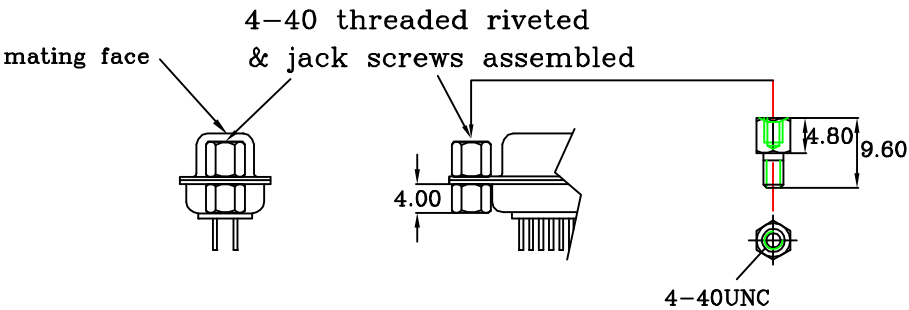
01: With #4-40 Threaded Rivets  
Clinch Nuts on Back Shell

Option 10



21: With #4-40 Threaded Rivets  
Clinch Nuts on Back Shell  
& jack screws in bulk

Option 21

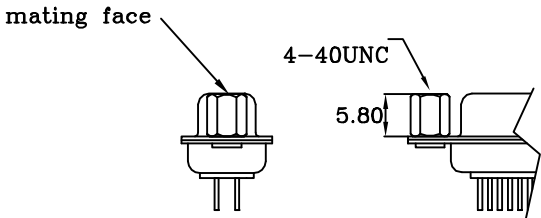


11: With #4-40 Threaded Rivets  
Clinch Nuts on Back Shell  
& jack screws assembled

Option 11

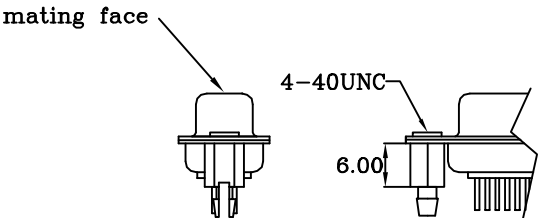
|        |           |             |            |                                                                                       |             |              |                                                                 |                       |
|--------|-----------|-------------|------------|---------------------------------------------------------------------------------------|-------------|--------------|-----------------------------------------------------------------|-----------------------|
|        |           |             |            | Drawn by                                                                              | Zhenxing Fu | 2004.06.24   | D-Sub Connector, Low Profile,<br>Dip Type, Machine Pin Straight |                       |
|        |           |             |            | Designed by                                                                           | Zhenxing Fu | 2004.06.24   |                                                                 |                       |
|        |           |             |            | Approved by                                                                           | Wangjun     | 2004.06.24   |                                                                 |                       |
|        |           |             |            |  | TORERANCE   | Code:000     |                                                                 |                       |
| A0     | Drawing   | Zhenxing FU | 2004.06.24 | Units:mm(inches)                                                                      | .XX ±0.13   | Scale 1:1    | Ver A0                                                          |                       |
| Ver NO | Revisions | CHK         | Rev Date   | SHEET 1 OF 1                                                                          |             | Angles+ \-2° |                                                                 |                       |
|        |           |             |            |                                                                                       |             |              | Ver A0                                                          | Part No. 1151 Options |

Options:



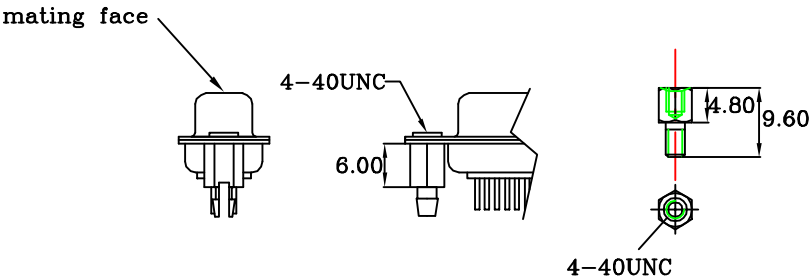
10: With #4-40 Threaded Rivets  
Clinch Nuts on Front Shell

Option 10



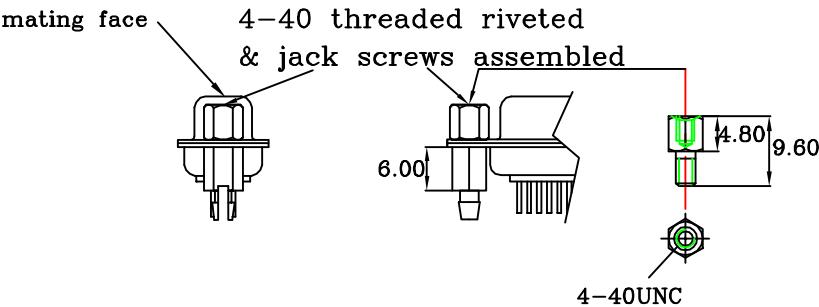
02: With #4-40 threaded rivets  
BoardLocks(Height=6.0mm)

Option 02



22: With #4-40 Threaded Rivets  
Boardlocks(Height=6.0mm) &  
Jack Screws in Bulk

Option 22



12: With #4-40 Threaded Rivets  
Boardlocks(Height=6.0mm) &  
Jack Screws assembled

Option 12

|        |           |             |            |                                                                                       |             |              |                                                                 |                       |
|--------|-----------|-------------|------------|---------------------------------------------------------------------------------------|-------------|--------------|-----------------------------------------------------------------|-----------------------|
|        |           |             |            | Drawn by                                                                              | Zhenxing Fu | 2004.06.24   | D-Sub Connector, Low Profile,<br>Dip Type, Machine Pin Straight |                       |
|        |           |             |            | Designed by                                                                           | Zhenxing Fu | 2004.06.24   |                                                                 |                       |
|        |           |             |            | Approved by                                                                           | Wangjun     | 2004.06.24   |                                                                 |                       |
|        |           |             |            |  | TORERANCE   | Code:000     |                                                                 |                       |
| A0     | Drawing   | Zhenxing FU | 2004.06.24 | Units:mm(inches)                                                                      | .XX ±0.13   | Scale 1:1    |                                                                 |                       |
| Ver NO | Revisions | CHK         | Rev Date   | SHEET 1 OF 1                                                                          |             | Angles+ \-2° | Ver A0                                                          | Part No. 1151 Options |