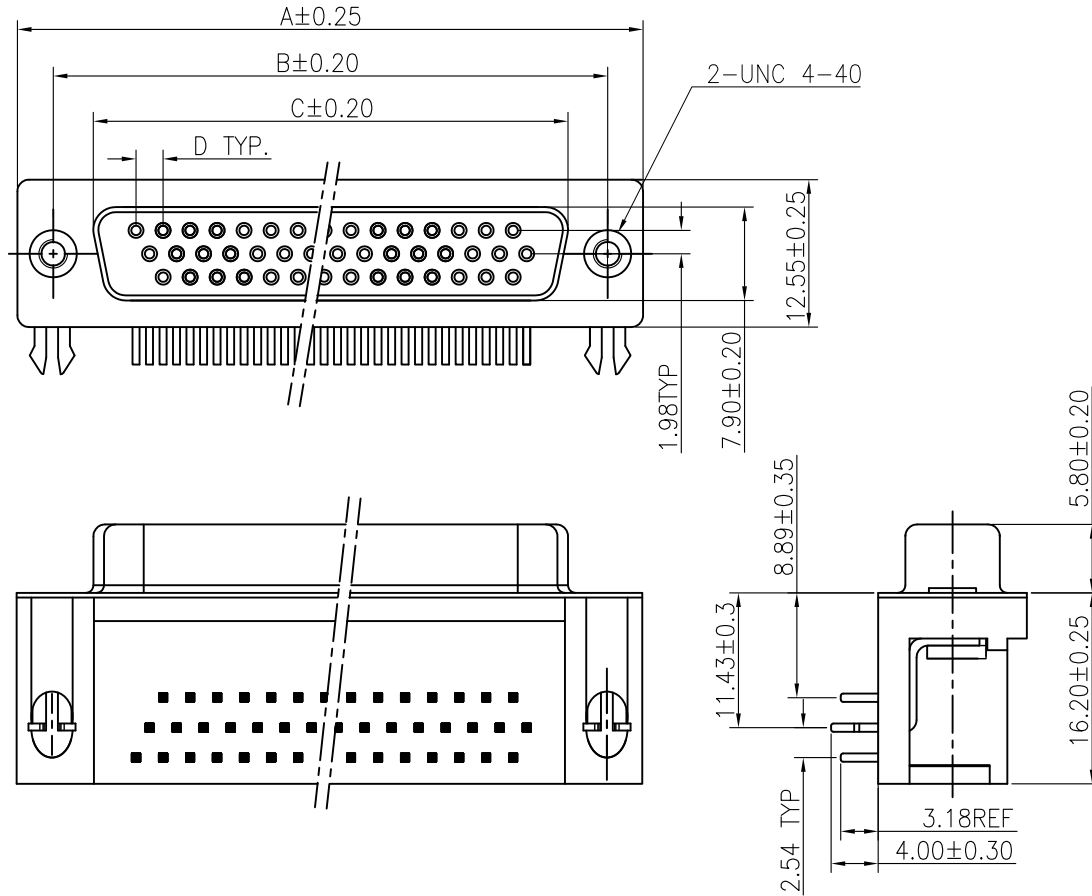




# REMARK:

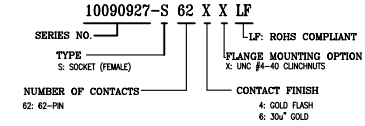
## 1.CHARACTERISTICS:

RATED VOLTAGE: 250V  
 RATED CURRENT: 2.5AMP  
 CONTACT RESISTANCE: 25mohms MAX(40mohms MAX FOR AFTER TEST).  
 INSULATION RESISTANCE: 5000Mohms MIN.at 500V DC  
 DIELECTRIC STRENGTH: 750VRMS  
 OPERATING TEMPERATURE RANGE: -55°C~105°C  
 INSERTION/EXTRACTION FORCE PER CONTACT: 5N Max./0.2N Min.  
 MATING/UNMATING CYCLES: 200MATINGS MIN FOR GOLD-FLASH  
 500MATINGS MIN FOR 30u" GOLD.

## 2.MATERIAL:

INSULATORS: THERMOPLASTIC G.F(UL94V-0) BLACK  
 CONTACTS: COPPER ALLOY, GOLD(G/F or 30u") TOP OVER CONTACT AREA,  
 100u" Min MATTE TIN TOP OVER SOLDER AREA,  
 50u" Min NICKEL UNDER PLATE.  
 SHELL: CARBON STEEL, 100u" Min NICKEL TOP OVER,  
 50u" Min COPPER UNDER PLATE.  
 Z BRACKET: COPPER ALLOY, 100u" Min MATTE TIN PLATED.  
 SCREW LOCK: COPPER ALLOY, 50u" Min NICKEL PLATED.

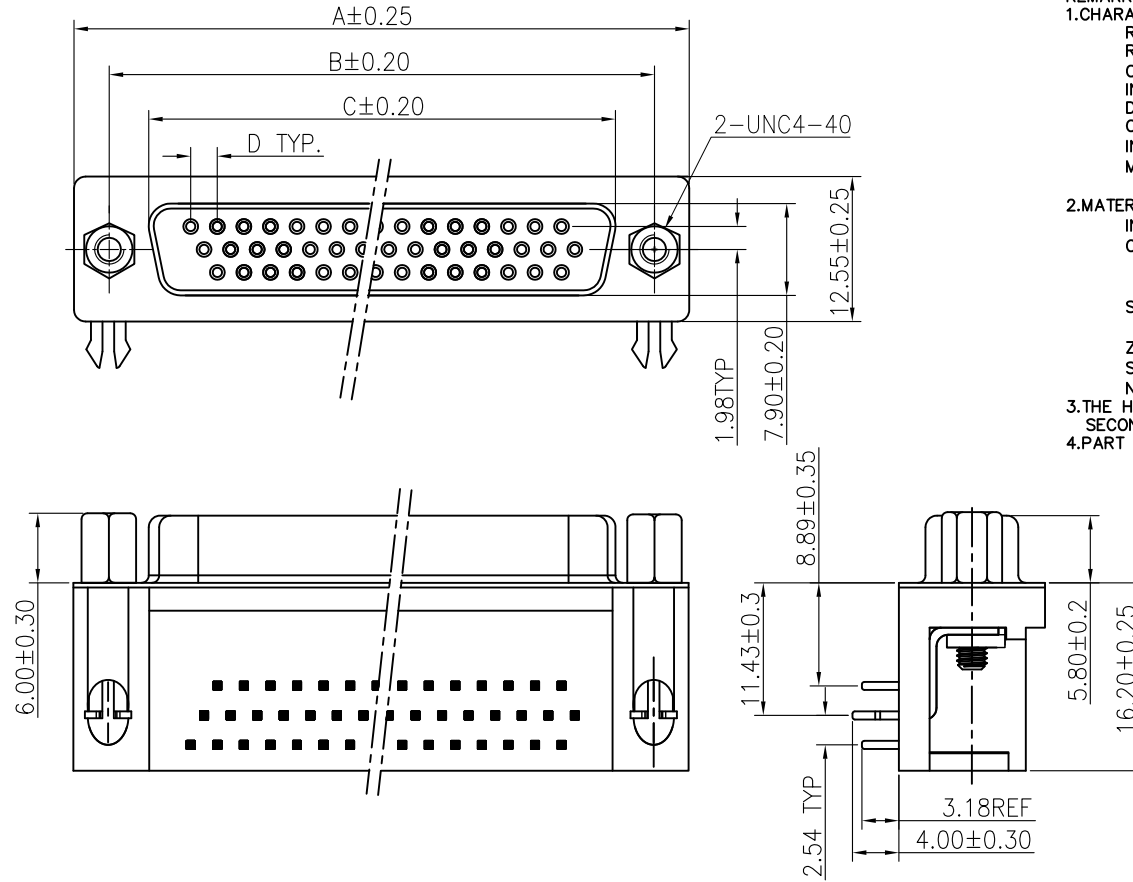
3.THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDERING APPLICATION WITH A 1.6MM THICK PC BOARD.  
 4.PART NUMBER DESCRIPTION:



| POS. | PART NO.        |       | THREAD TYPE |      |
|------|-----------------|-------|-------------|------|
| 62P  | 10090927-S62*XL |       | UNC #4-40   |      |
| POS. | A               | B     | C           | D    |
| 62P  | 69.32           | 63.50 | 54.84       | 2.41 |

| mat'l. code |             |     |            | tolerances unless otherwise specified |                        | CUSTOMER COPY |                | FCI                |  |
|-------------|-------------|-----|------------|---------------------------------------|------------------------|---------------|----------------|--------------------|--|
| ltr         | ecn no      | dr  | date       | linear                                | .X $\pm$ 0.38          | projection    | title          | www.fciconnect.com |  |
| A           | T09-1156    | J.H | 12/10/09   |                                       | .XX $\pm$ 0.25         |               |                |                    |  |
| B           | T10-0164    | J.H | 10/19/10   |                                       | .XXX $\pm$ 0.10        |               |                |                    |  |
| C           | ELX-I-15500 | A.B | 2013/08/21 | angles                                | 0° $\pm$ 2°            |               |                |                    |  |
|             |             |     |            | dr                                    | JASON HSU 10/19/10     |               |                |                    |  |
|             |             |     |            | enr                                   | ALIAS BABU 2013/08/21  |               |                |                    |  |
|             |             |     |            | chr                                   | MITHUN PAUL 2013/08/21 |               |                |                    |  |
|             |             |     |            | appd                                  | BIJU.K.PAUL 2013/08/21 |               |                |                    |  |
| sheet index | revision    | C   | C          | C                                     | C                      | scale         | product family | code               |  |
|             | sheet       | 1   | 2          | 3                                     | 4                      | 1:1           | D-SUB          | TWN                |  |

P.C.B LAYOUT(FOR 62P)



P.C.B LAYOUT(FOR 62P)

REMARK:

1.CHARACTERISTICS:

RATED VOLTAGE: 250V  
 RATED CURRENT: 2.5AMP  
 CONTACT RESISTANCE: 25mohms MAX(40mohms MAX FOR AFTER TEST).  
 INSULATION RESISTANCE: 5000Mohms MIN.at 500V DC  
 DIELECTRIC STRENGTH: 750VRMS  
 OPERATING TEMPERATURE RANGE:  $-55^{\circ}\text{C} \sim 105^{\circ}\text{C}$   
 INSERTION/EXTRACTION FORCE PER CONTACT: 5N Max./0.2N Min.  
 MATING/UNMATING CYCLES: 200MATINGS MIN FOR GOLD-FLASH  
 500MATINGS MIN FOR 30u" GOLD.

2.MATERIAL:

INSULATORS: THERMOPLASTIC G.F(UL94V-0) BLACK  
 CONTACTS: COPPER ALLOY,GOLD(G/F or 30u")TOP OVER CONTACT AREA,  
 100u" Min MATTE TIN TOP OVER SOLDER AREA,  
 50u" Min NICKEL UNDER PLATE.  
 SHELL: CARBON STEEL,100u" Min NICKEL TOP OVER,  
 50u" Min COPPER UNDER PLATE.  
 Z BRACKET :COPPER ALLOY,100u" Min MATTE TIN PLATED.  
 SCREW LOCK :COPPER ALLOY ,50u" Min NICKEL PLATED.  
 NUT: COPPER ALLOY ,50u" Min NICKEL PLATED.

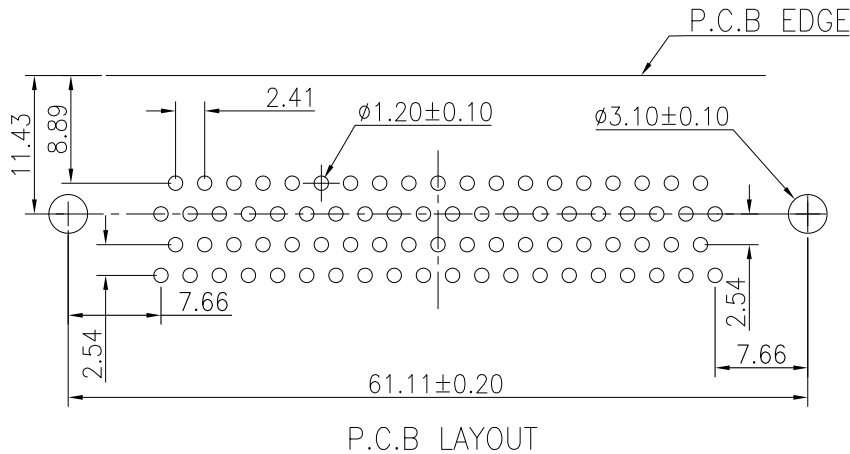
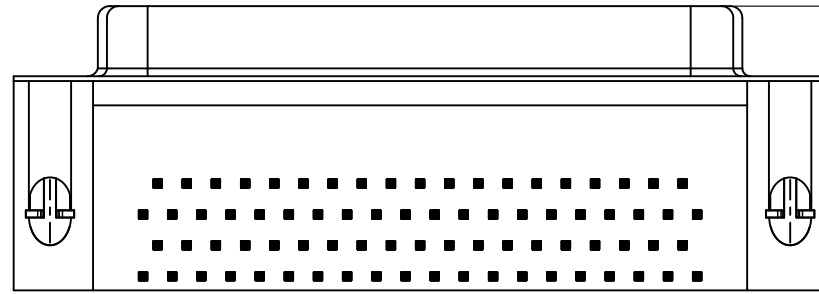
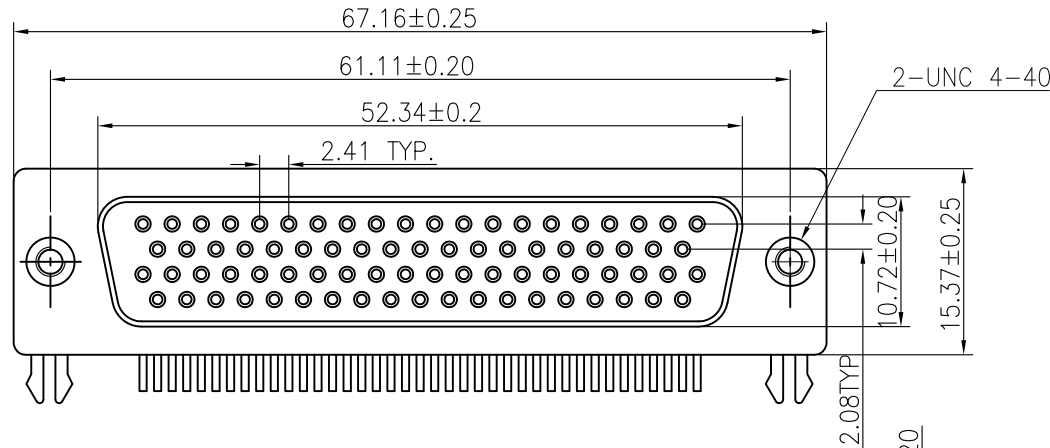
3.THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDERING APPLICATION WITH A 1.6MM THICK PC BOARD.

4.PART NUMBER DESCRIPTION:

|                    |            |                    |                    |                       |
|--------------------|------------|--------------------|--------------------|-----------------------|
| 10090927-S         | 62         | X                  | V                  | LF                    |
| SERIES NO.         | TYPE       | S: SOCKET (FEMALE) | LF: ROHS COMPLIANT | PLATE MOUNTING OPTION |
| NUMBER OF CONTACTS | 62: 62-PIN | CONTACT FINISH     | 4: GOLD FLASH      | 6: 30u" GOLD          |

| POS. | PART NO.         | A     | B     | C     | D    | E    | F    |
|------|------------------|-------|-------|-------|------|------|------|
| 62P  | 10090927-S62*VLF | 69.32 | 63.50 | 54.84 | 2.41 | 7.03 | 8.21 |

| mat'l. code |                |    |      | tolerances unless otherwise specified |                        | CUSTOMER COPY |       | FCI                |  |
|-------------|----------------|----|------|---------------------------------------|------------------------|---------------|-------|--------------------|--|
| ltr         | ecn no         | dr | date | linear                                | .X $\pm 0.38$          | projection    | title | www.fciconnect.com |  |
| C           |                |    |      |                                       | .XX $\pm 0.25$         |               |       |                    |  |
|             |                |    |      |                                       | .XXX $\pm 0.10$        |               |       |                    |  |
|             |                |    |      | angles                                | 0° $\pm 2^{\circ}$     |               |       |                    |  |
|             |                |    |      | dr                                    | JASON HSU 10/19/10     |               |       |                    |  |
|             |                |    |      | engr                                  | ALIAS BABU 2013/08/21  |               |       |                    |  |
|             |                |    |      | chr                                   | MITHUN PAUL 2013/08/21 |               |       |                    |  |
|             |                |    |      | appd                                  | BJU.K.PAUL 2013/08/21  |               |       |                    |  |
| sheet index | revision sheet |    |      |                                       |                        |               |       |                    |  |



REMARK:

1.CHARACTERISTICS:

RATED VOLTAGE: 250V  
RATED CURRENT: 2.5AMP  
CONTACT RESISTANCE: 25mohms MAX(40mohms MAX FOR AFTER TEST).  
INSULATION RESISTANCE: 5000Mohms MIN.at 500V DC  
DIELECTRIC STRENGTH: 750VRMS  
OPERATING TEMPERATURE RANGE: -55°C~105°C  
INSERTION/EXTRACTION FORCE PER CONTACT:5N Max./0.2N Min.  
MATING/UNMATING CYCLES :200MATINGS MIN FOR GOLD-FLASH  
500MATINGS MIN FOR 30u" GOLD .

2.MATERIAL:

INSULATORS: THERMOPLASTIC G.F(UL94V-0) BLACK  
CONTACTS: COPPER ALLOY,GOLD(G/F or 30u")TOP OVER CONTACT AREA,  
100u" Min MATTE TIN TOP OVER SOLDER AREA,  
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SHELL: CARBON STEEL,100u" Min NICKEL TOP OVER,  
50u" Min COPPER UNDER PLATE.

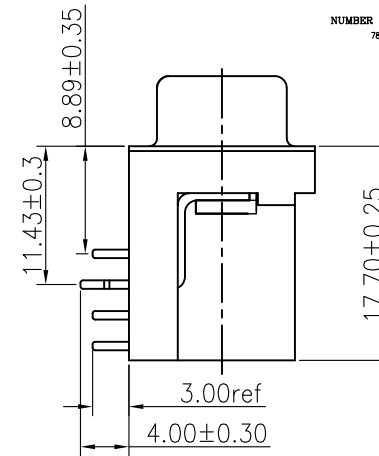
Z BRACKET: COPPER ALLOY,100u" Min MATTE TIN PLATED.

SCREW LOCK: COPPER ALLOY ,50u" Min NICKEL PLATED.

3.THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 5 SECONDS IN A WAVE SOLDERING APPLICATION WITH A 1.6MM THICK PC BOARD.

4.PART NUMBER DESCRIPTION:

10090927-S 78 X X LF  
SERIES NO. TYPE S: SOCKET (FEMALE) NUMBER OF CONTACTS 78: 78-PIN  
L: LF: ROHS COMPLIANT  
PLANGE MOUNTING OPTION X: UNC #4-40 CLINCHNUTS  
CONTACT FINISH 4: GOLD FLASH 6: 30u" GOLD



| POS. | PART NO.        | THREAD TYPE |
|------|-----------------|-------------|
| 78P  | 10090927-S78*XL | UNC #4-40   |

| mat'l. code |                |      |             | tolerances unless otherwise specified |             | CUSTOMER COPY |  | FCI                          |  |
|-------------|----------------|------|-------------|---------------------------------------|-------------|---------------|--|------------------------------|--|
| ltr         | ecn no         | dr   | date        | linear                                | .X ± 0.38   | projection    |  | www.fciconnect.com           |  |
| C           |                |      |             |                                       | .XX ± 0.25  |               |  | title                        |  |
|             |                |      |             |                                       | .XXX ± 0.10 |               |  | H/D D-SUB FEMALE RIGHT-ANGLE |  |
|             |                |      |             | angles                                | 0° ±2°      |               |  | product family D-SUB         |  |
|             |                | dr   | JASON HSU   | 10/19/10                              |             | MM            |  | size dwg no                  |  |
|             |                | enr  | ALIAS BABU  | 2013/08/21                            |             |               |  | code                         |  |
|             |                | chr  | MITHUN PAUL | 2013/08/21                            |             | scale         |  | A4 10090927                  |  |
|             |                | appd | BIJU.K.PAUL | 2013/08/21                            |             | 1:1           |  | sheet 3 of 4                 |  |
| sheet index | revision sheet |      |             |                                       |             |               |  |                              |  |

