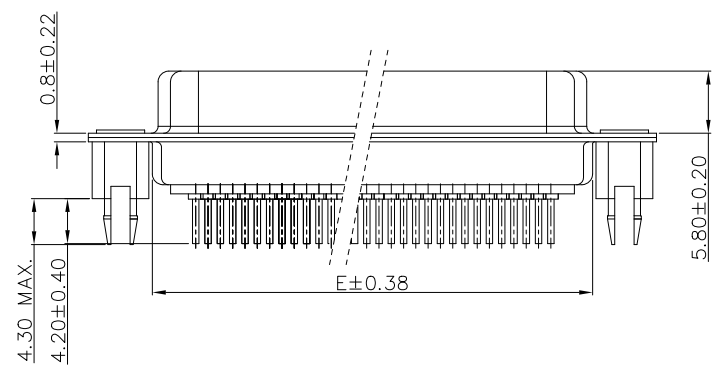
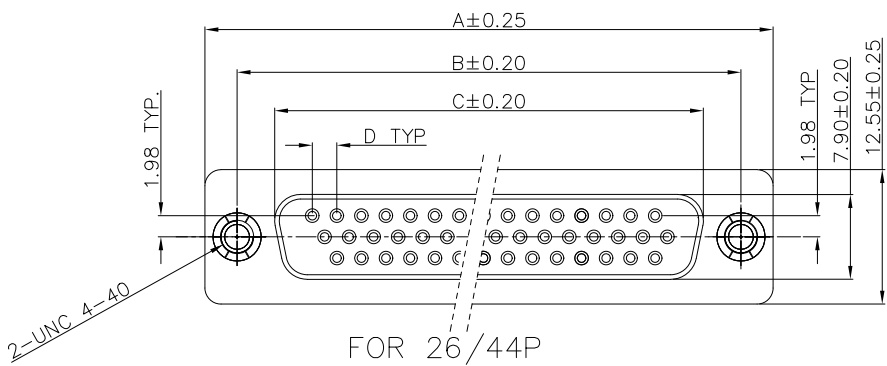


- NOTES:
1. CHARACTERISTICS:
- RATED VOLTAGE: 250V
- RATED CURRENT: 2.5AMP
- CONTACT RESISTANCE: 25mohms MAX. INITIAL,  
40mohms MAX. AFTER.
- INSULATION RESISTANCE: 5000Mohms MIN. at 500V DC
- DIELECTRIC STRENGTH: 750VRMS
- OPERATING TEMPERATURE RANGE: -55° C~105° C
- INSERTION/EXTRACTION FORCE PER CONTACT: 5N Max. /0.2N Min.
- MATING/UNMATING CYCLES: 50MATING CYCLES MIN FOR GOLD-FLASH  
500MATING CYCLES 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.
- HARPOON: COPPER ALLOY , 100u" Min MATTE TIN PLATED.
3. PROCESS CONDITIONS FOR SOLDERING
- FOR H TYPE:  
THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10  
SECONDS MAXIMUM IN A WAVE SOLDERING APPLICATION
- FOR S TYPE:  
THE HOUSING WILL WITHSTAND EXPOSURE TO 205° C PEAK TEMPERATURE FOR 5  
SECONDS MAXIMUM IN A WAVE SOLDERING APPLICATION
4. PART NUMBER DESCRIPTION:

10090929-S XX X X LF

SERIES NO.

TYPE  
S: SOCKET PBT (FEMALE)  
H: SOCKET PA9T (FEMALE)  
(See Note 3)

NUMBER OF CONTACTS  
15: 15-PIN  
26: 26-PIN  
44: 44-PIN

LF: ROHS COMPLIANT

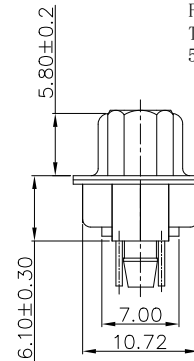
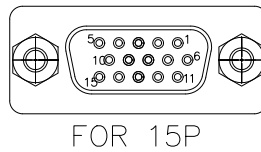
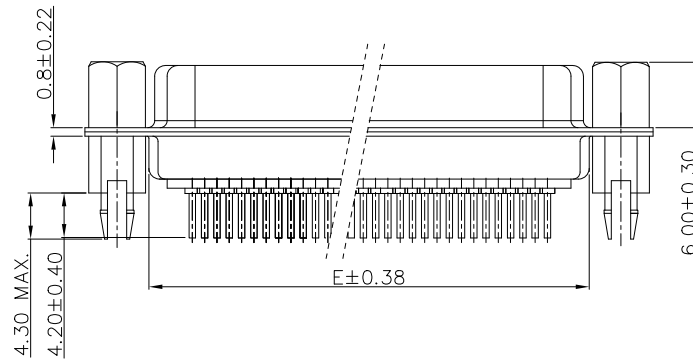
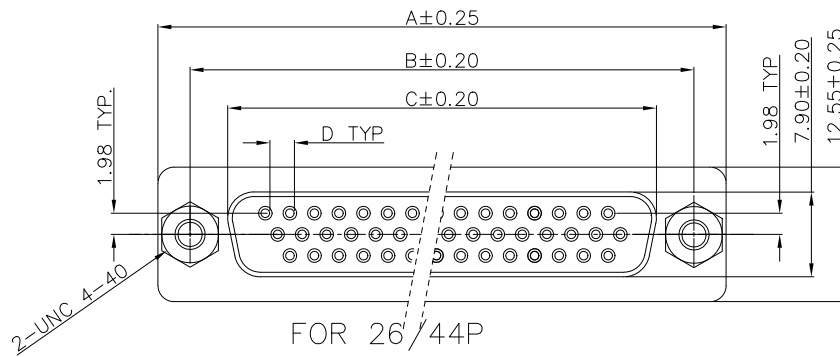
FLANGE MOUNTING OPTION  
X: UNC #4-40 CLINCHNUTS

CONTACT FINISH  
4: FLASH GOLD  
6: 30u" GOLD

| POS. | PART NO.         | THREAD TYPE |
|------|------------------|-------------|
| 15   | 10090929-*15*XLF | UNC #4-40   |
| 26   | 10090929-*26*XLF | UNC #4-40   |
| 44   | 10090929-*44*XLF | UNC #4-40   |

| POS. | A     | B     | C     | D    | E     |
|------|-------|-------|-------|------|-------|
| 15   | 30.81 | 24.99 | 16.33 | 2.29 | 19.10 |
| 26   | 39.24 | 33.32 | 24.66 | 2.29 | 27.75 |
| 44   | 53.04 | 47.04 | 38.38 | 2.29 | 41.30 |

|             |             |    |            |                                       |                  |                     |                               |  |  |  |
|-------------|-------------|----|------------|---------------------------------------|------------------|---------------------|-------------------------------|--|--|--|
| mat'l. code |             |    |            | surface                               | tolerance        | projection          | product family                |  |  |  |
| -           |             |    |            | ISO 1302 ✓                            | ISO 406 ISO 1101 |                     | D-SUB                         |  |  |  |
| ltr         | ecn no      | dr | date       | tolerances unless otherwise specified |                  | <br>MM<br>scale 2:1 | title                         |  |  |  |
| H           | ELX-N-46777 | TY | 12/14/22   | angles                                | linear           |                     | H/D D-SUB FEMALE STRAIGHT     |  |  |  |
| B           | T10-0164    | JH | 10/19/10   |                                       |                  |                     |                               |  |  |  |
| C           | ELX-I-15500 | AB | 2013/08/21 | 0°±2'                                 |                  |                     |                               |  |  |  |
| D           | ELX-I-18426 | AB | 2014/07/29 | dr                                    | JASON HSU        | 12/10/09            | dwg no                        |  |  |  |
| E           | ELX-I-20972 | AB | 2015/05/30 | eng                                   | MITHUN PAUL      | 2016/04/27          | sheet 1 of 3                  |  |  |  |
| F           | ELX-I-24092 | MP | 2016/05/13 | chr                                   | GREGAR MATHEW    | 2019/08/22          | 10090929                      |  |  |  |
| G           | ELX-I-34650 | GM | 2019/08/22 | appd                                  | SANOJ P K        | 2019/08/22          | type Product Customer Drawing |  |  |  |
| sheet       | revision    | H  | H          | H                                     |                  |                     |                               |  |  |  |
| index       | sheet       | 1  | 2          | 3                                     |                  |                     |                               |  |  |  |



REMARK:

1. CHARACTERISTICS:

RATED VOLTAGE: 250V  
RATED CURRENT: 2.5AMP  
CONTACT RESISTANCE: 25mohms MAX. INITIAL,  
40mohms MAX. AFTER.  
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: 50MATING CYCLES MIN FOR GOLD-FLASH  
500MATING CYCLES 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.  
HARPOON: COPPER ALLOY , 100u" Min MATTE TIN PLATED.  
NUT: COPPER ALLOY , 50u" Min NICKEL PLATED.

3. PROCESS CONDITIONS FOR SOLDERING

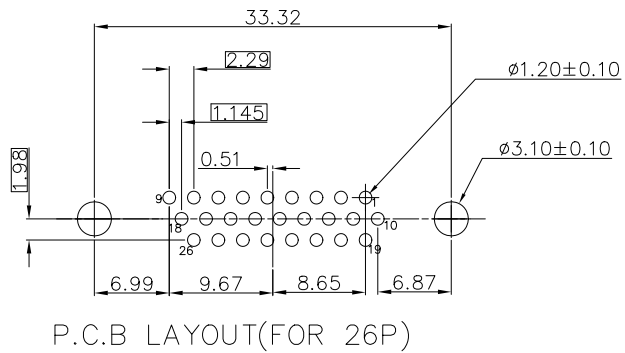
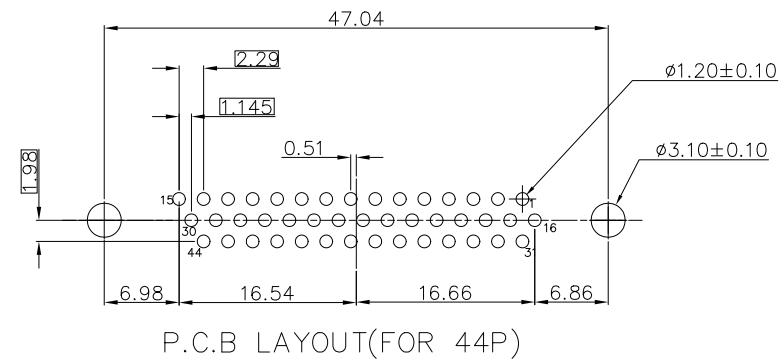
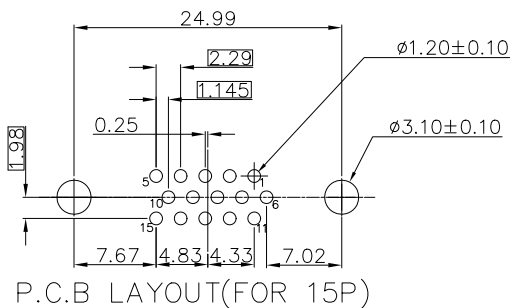
FOR H TYPE: THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK  
TEMPERATURE FOR 10 SECONDS MAXIMUM IN A WAVE SOLDERING APPLICATION  
FOR S TYPE: THE HOUSING WILL WITHSTAND EXPOSURE TO 205° C PEAK  
TEMPERATURE FOR 5 SECONDS MAXIMUM IN A WAVE SOLDERING APPLICATION

5. PART NUMBER DESCRIPTION:

10090929-S XX X V LF  
SERIES NO. TYPE  
S: SOCKET (FEMALE)  
H: SOCKET PART (FEMALE)  
(See Note 3)  
NUMBER OF CONTACTS  
15: 15-PIN  
26: 26-PIN  
44: 44-PIN  
LF: ROHS COMPLIANT  
FLANGE MOUNTING OPTION  
V: UNC #4-40 SCREWLOCKS  
CONTACT FINISH  
4: FLASH GOLD  
6: 30u" GOLD

| POS. | A     | B     | C     | D    | E     |
|------|-------|-------|-------|------|-------|
| 15   | 30.81 | 24.99 | 16.33 | 2.29 | 19.10 |
| 26   | 39.24 | 33.32 | 24.66 | 2.29 | 27.75 |
| 44   | 53.04 | 47.04 | 38.38 | 2.29 | 41.30 |

|             |  |          |  |    |            |      |                  |                                       |            |               |                |                           |  |                               |  |
|-------------|--|----------|--|----|------------|------|------------------|---------------------------------------|------------|---------------|----------------|---------------------------|--|-------------------------------|--|
| mat'l. code |  |          |  |    | surface    |      | tolerance        |                                       | projection |               | product family |                           |  |                               |  |
| -           |  |          |  |    | ISO 1302 ✓ |      | ISO 406 ISO 1101 |                                       |            |               | D-SUB          |                           |  |                               |  |
| ltr         |  | ecn no   |  | dr |            | date |                  | tolerances unless otherwise specified |            |               |                | title                     |  |                               |  |
| H           |  |          |  |    |            |      |                  | angles                                |            | .0±0.38       |                | H/D D-SUB FEMALE STRAIGHT |  |                               |  |
|             |  |          |  |    |            |      |                  | linear                                |            | .00±0.25      |                |                           |  |                               |  |
|             |  |          |  |    |            |      |                  | 0°±2°                                 |            | .000±0.010    |                | scale 2:1                 |  |                               |  |
|             |  |          |  |    |            |      |                  | dr                                    |            | JASON HSU     |                | 12/10/09                  |  | dwg no                        |  |
|             |  |          |  |    |            |      |                  | eng                                   |            | MITHUN PAUL   |                | 2016/04/27                |  | sheet2 of 3                   |  |
|             |  |          |  |    |            |      |                  | chr                                   |            | GREGAR MATHEW |                | 2019/08/22                |  | size                          |  |
|             |  |          |  |    |            |      |                  | appd                                  |            | SANOJ P K     |                | 2019/08/22                |  | A3                            |  |
|             |  |          |  |    |            |      |                  |                                       |            |               |                |                           |  | 10090929                      |  |
|             |  |          |  |    |            |      |                  |                                       |            |               |                |                           |  | type Product Customer Drawing |  |
| sheet index |  | revision |  |    |            |      |                  |                                       |            |               |                |                           |  |                               |  |
| sheet       |  | sheet    |  |    |            |      |                  |                                       |            |               |                |                           |  |                               |  |



|             |                |    |    |          |                                       |            |                           |  |                          |
|-------------|----------------|----|----|----------|---------------------------------------|------------|---------------------------|--|--------------------------|
| mat'l. code |                |    |    | surface  | tolerance                             | projection | product family            |  |                          |
| -           |                |    |    | ISO 1302 | ISO 406 ISO 1101                      |            | D-SUB                     |  |                          |
| ltr         | ecn            | no | dr | date     | tolerances unless otherwise specified |            | title                     |  |                          |
| H           |                |    |    |          | angles                                |            | H/D D-SUB FEMALE STRAIGHT |  |                          |
|             |                |    |    |          | linear                                | MM         |                           |  |                          |
|             |                |    |    |          | 0°±2°                                 | scale 2:1  |                           |  |                          |
|             |                |    |    | dr       | JASON HSU 12/10/09                    |            | dwg no                    |  | sheet 3 of 3             |
|             |                |    |    | engr     | MITHUN PAUL 2016/04/27                |            | 10090929                  |  | size A3                  |
|             |                |    |    | chr      | GREGAR MATHEW 2019/08/22              |            | type                      |  | Product Customer Drawing |
|             |                |    |    | appd     | SANOJ P K 2019/08/22                  |            |                           |  |                          |
| sheet index | revision sheet |    |    |          |                                       |            |                           |  |                          |