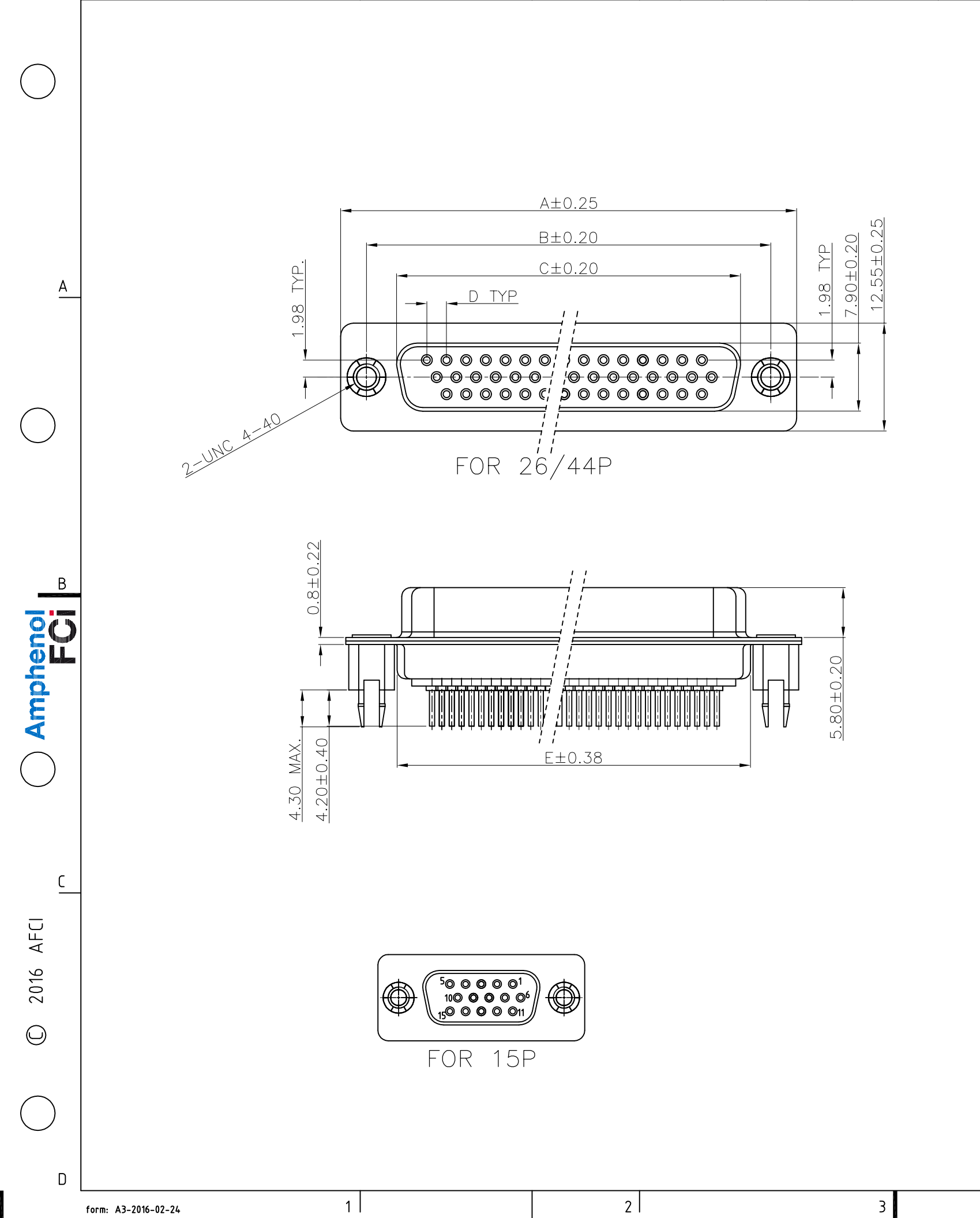




NOTES:

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: 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.

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:

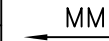
10090929-S XX X X LF

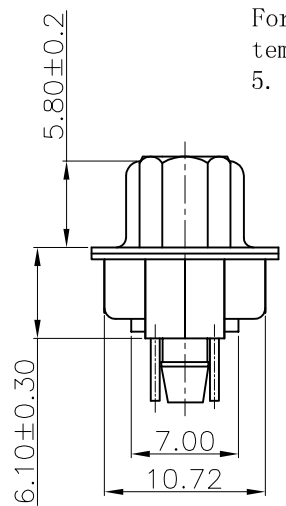
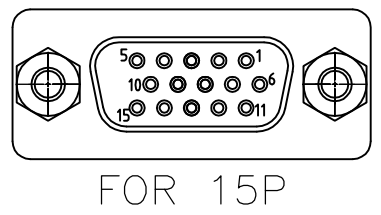
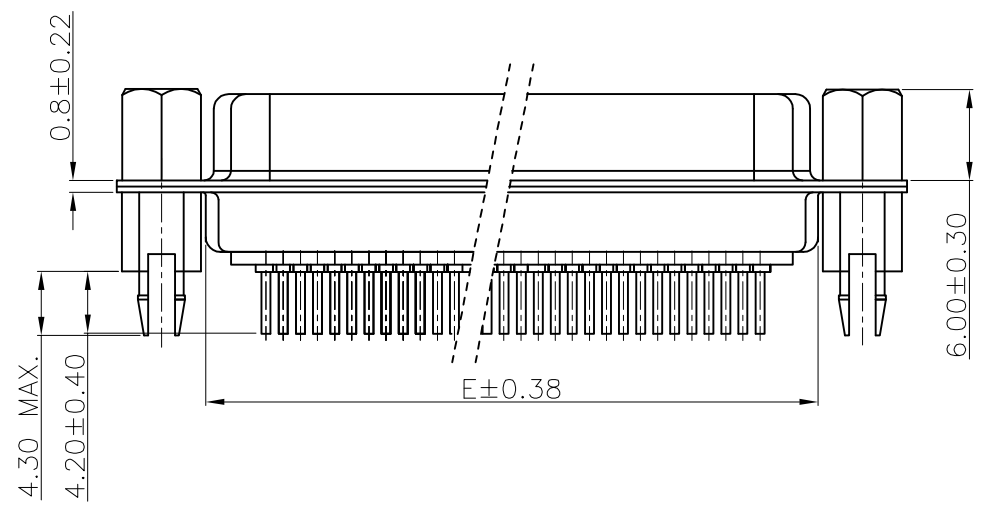
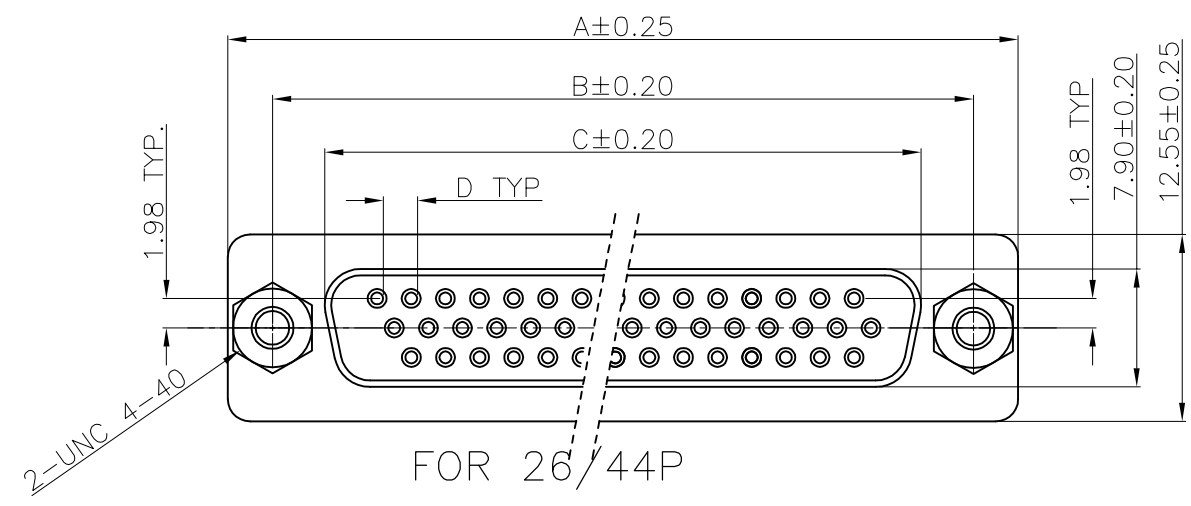
SERIES NO. TYPE S: SOCKET PBT (FEMALE) H: SOCKET PA9T (FEMALE) (See Note 3) NUMBER OF CONTACTS 15: 15-PIN 26: 26-PIN 44: 44-PIN

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 |

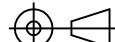
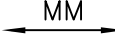
|                  |             |          |            |                       |               |                               |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
|------------------|-------------|----------|------------|-----------------------|---------------|-------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------|-------------------------|--|--|--|--------------|--|--|------|--|--|
| mat'l. code<br>— |             |          |            | surface<br>ISO 1302 ✓ |               | tolerance<br>ISO 406 ISO 1101 |                                                                                       | projection<br> |                                    | product family<br>D-SUB |  |  |  |              |  |  |      |  |  |
| ltr              | ecn no      | dr       | date       | tolerances unless     |               | otherwise specified           |                                                                                       |                | title<br>H/D D-SUB FEMALE STRAIGHT |                         |  |  |  |              |  |  |      |  |  |
| A                | T09-1156    | JH       | 12/10/09   | angles                | linear        | .0±0.38                       |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
| B                | T10-0164    | JH       | 10/19/10   |                       |               | .00±0.25                      |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
| C                | ELX-I-15500 | AB       | 2013/08/21 |                       |               | 0°±2°<br>.000±0.010           |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
| D                | ELX-I-18426 | AB       | 2014/07/29 | dr                    | JASON HSU     | 12/10/09                      |  |                                                                                                     | dwg no                             |                         |  |  |  | sheet 1 of 3 |  |  | size |  |  |
| E                | ELX-I-20972 | AB       | 2015/05/30 | engr                  | MITHUN PAUL   | 2016/04/27                    |                                                                                       |                                                                                                     | 10090929                           |                         |  |  |  | A3           |  |  |      |  |  |
| F                | ELX-I-24092 | MP       | 2016/05/13 | chr                   | GREGAR MATHEW | 2019/08/22                    |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
| G                | ELX-I-34650 | GM       | 2019/08/22 | appd                  | SANOJ P K     | 2019/08/22                    |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
| sheet index      |             | revision |            | G                     | G             | G                             |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |
|                  |             | sheet    |            | 1                     | 2             | 3                             |                                                                                       |                                                                                                     |                                    |                         |  |  |  |              |  |  |      |  |  |

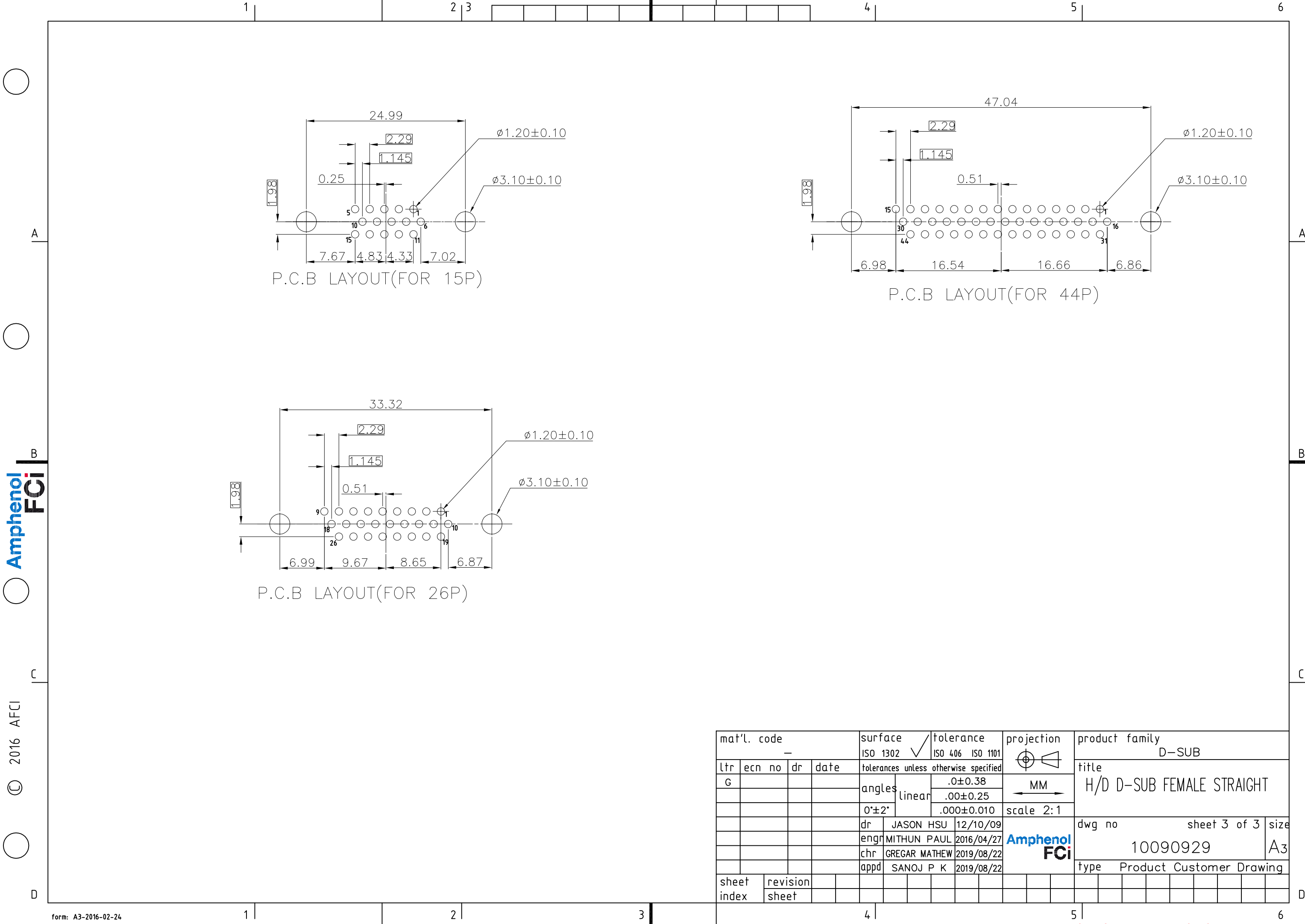


10090929-S XX X V LF  
SERIES NO. TYPE S: SOCKET (FEMALE) H: SOCKET PAST (FEMALE) (See Note 3) LF: ROHS COMPLIANT FLANGE MOUNTING OPTION V: UNC #4-40 SCREWLOCKS  
NUMBER OF CONTACTS 15: 15-PIN 26: 26-PIN 44: 44-PIN CONTACT FINISH 4: FLASH GOLD 6: 30u" GOLD

| 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 |

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: 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.  
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:

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



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