

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC ,UL94V0
- ACCESSORIES: BRASS
- SHELLS: STEEL

ELECTRICAL CHARACTERISTICS

- CONTACT/CONTACT : >=1000 V
- CONTACT/GROUND : >=1200 V
- INSULATION RESISTANCE: >=5000 MOhms

ENVIRONMENTAL CHARACTERISTICS

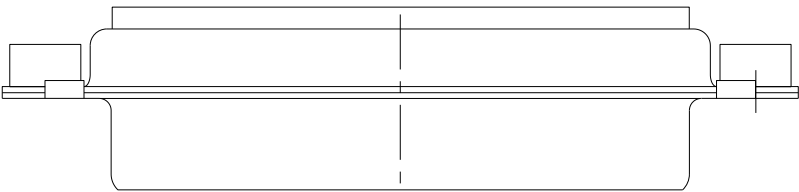
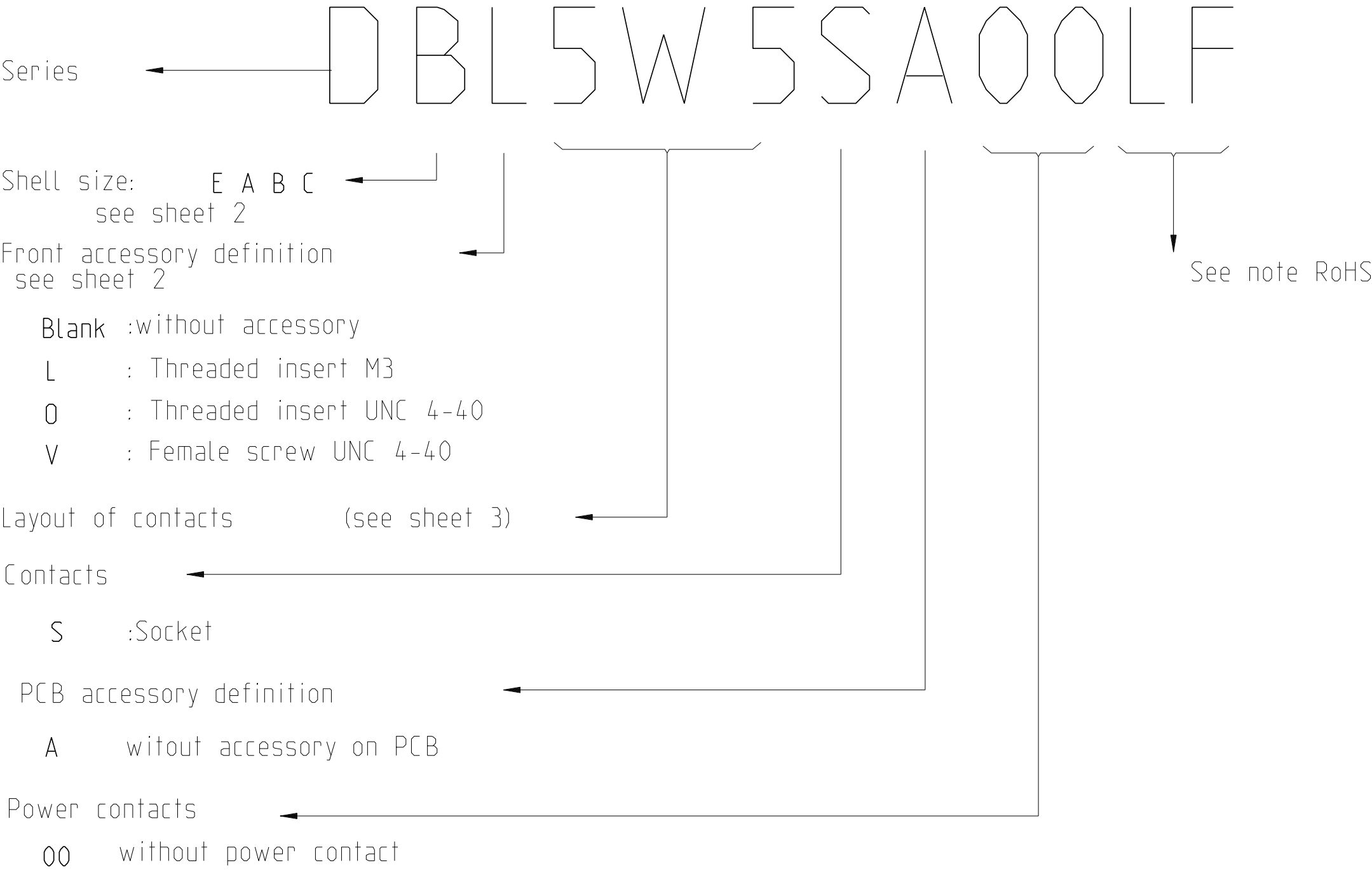
- CLIMATIC CATEGORY: 55/125/21
- TEMPERATURE RANGE -55°C TO +125°C
- DAMP HEAT STEADY STATE 21 DAYS
- SALT SPRAY 24 HOURS

MECHANICAL CHARACTERISTICS

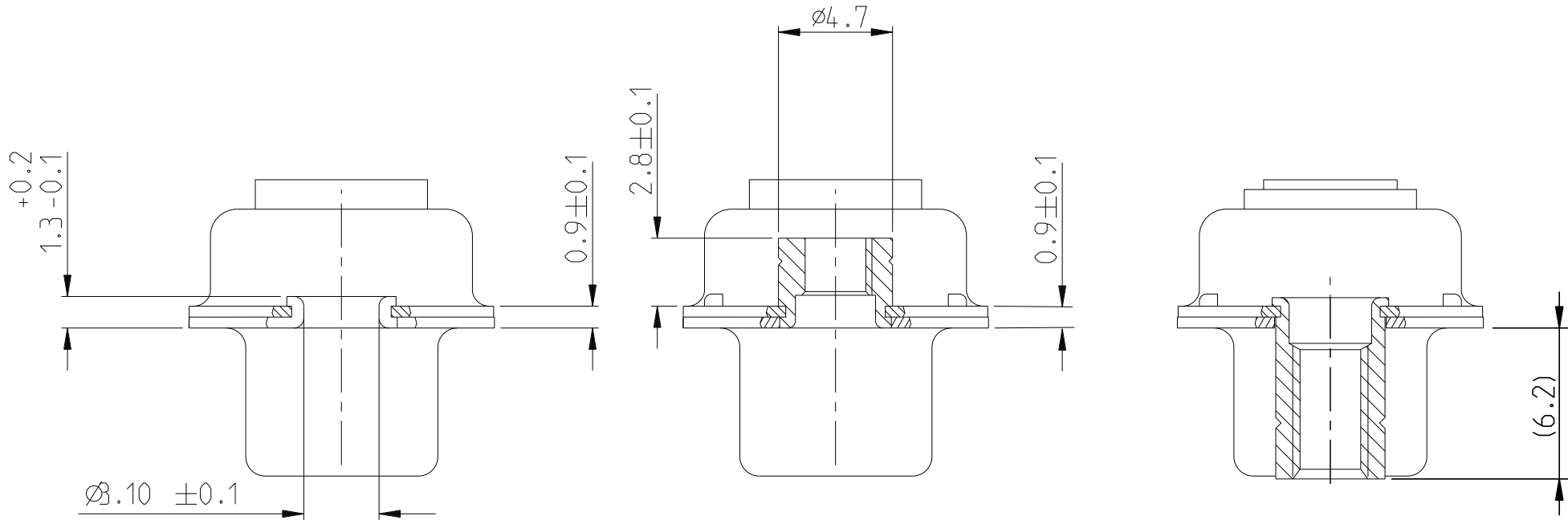
- RETENTION AGAINST TORQUE:
  - Threaded insert: 0.7 N.m minimum
  - Female screw : 0.5 N.m minimum

NOTE ROHS INFORMATION

- The “LF” products meet european union Directives and other country regulations as described in GS-22-008.
- Shell plating :2 to 4µm Cu+ Ni + 3 to 10µmm Sn(pure bright)
- Accessories: Sn pure bright + nickel
- Packaging spec: See GS-14-920



|                                                                                                  |                                       |       |       |                 |                |                                             |                                                                                       |                                                                                       |                                     |                   |       |     |   |
|--------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------|-----------------|----------------|---------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------|-------------------|-------|-----|---|
| spec ref                                                                                         |                                       |       |       | dr              | Pro Engineer 1 | 2015/06/16                                  |  |  | size                                | A2                | scale | 2:1 |   |
| tolerance std                                                                                    | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |       | eng             | J Dalibard     | 2016/09/13                                  |                                                                                       |                                                                                       | ecn no                              | ECN-ELX-F-24942-1 |       |     |   |
|                                                                                                  |                                       |       |       | chr             | J Dalibard     | 2016/09/19                                  |                                                                                       |                                                                                       | product family - rel level Released |                   |       |     |   |
|                                                                                                  |                                       |       |       | appr            | Aymeric Soudy  | 2016/09/20                                  |                                                                                       |                                                                                       |                                     |                   |       |     |   |
| surface<br> | linear                                | 0.X   | ±0.3  | Amphenol<br>FCi | title          | SUB FEMALE DW<br>full power without contact |                                                                                       |                                                                                       | dwg no                              | C01-8639-2311     |       | rev | E |
|                                                                                                  |                                       | 0.XX  | ±0.10 |                 |                |                                             |                                                                                       |                                                                                       |                                     |                   |       |     |   |
|                                                                                                  |                                       | 0.XXX | ±0.05 |                 |                |                                             |                                                                                       |                                                                                       |                                     |                   |       |     |   |
|                                                                                                  | angular                               | 0°    | ±2°   |                 |                |                                             |                                                                                       |                                                                                       |                                     |                   |       |     |   |



|                 |               |                                  |                         |
|-----------------|---------------|----------------------------------|-------------------------|
| FRONT ACCESSORY | Blank without | L insert M3<br>O insert UNC 4.40 | V Female screw UNC 4-40 |
| PCB ACCESSORIES | A without     | A without                        | A without               |

| PART NUMBER   | FRONT ACCESSORY       | PCB ACCESSORY |
|---------------|-----------------------|---------------|
| D*W xSA00LF   | WITHOUT               | WITHOUT       |
| D*VxW xSA00LF | Female screw UNC 4-40 | WITHOUT       |
| D*LxW xSA00LF | Insert M3             | WITHOUT       |
| D*OxW xSA00LF | Insert UNC 4-40       | WITHOUT       |

shell size LAYOUTS

|   |     |
|---|-----|
| E | 2V2 |
| A | 3V3 |
| A | 3W3 |
| B | 5W5 |
| C | 8W8 |

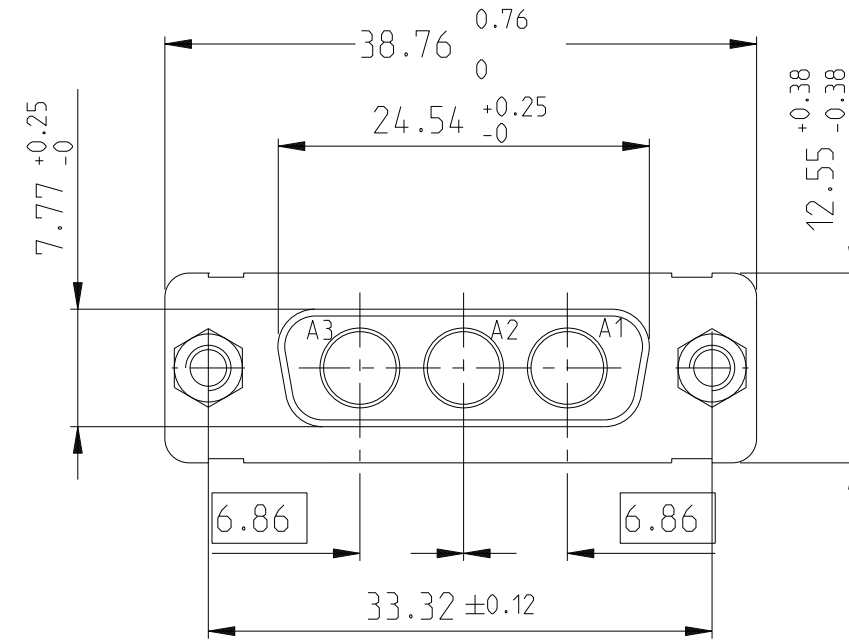
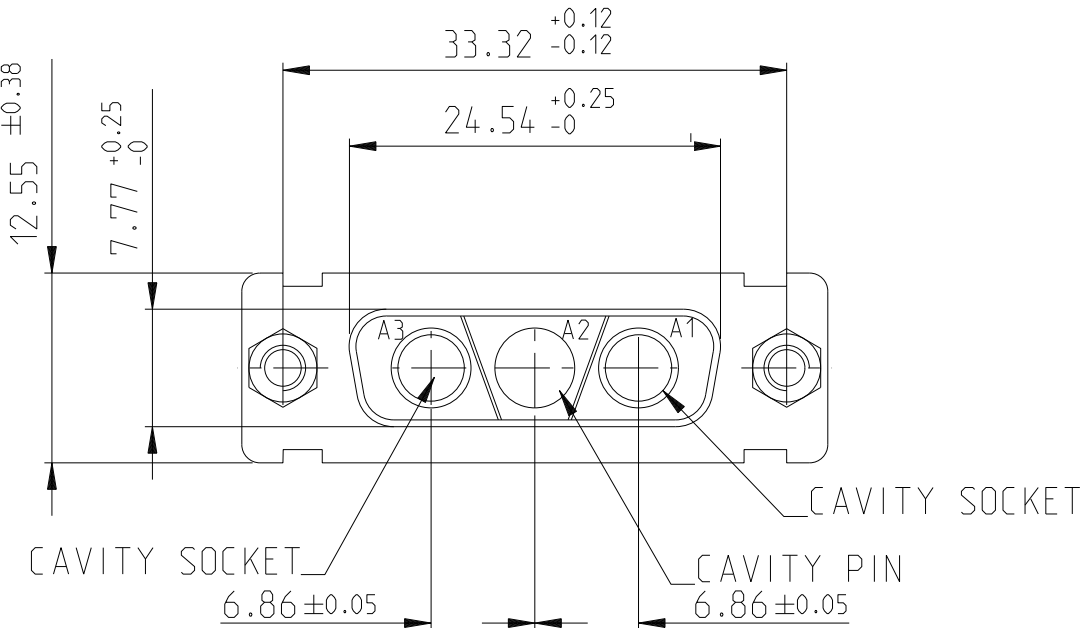
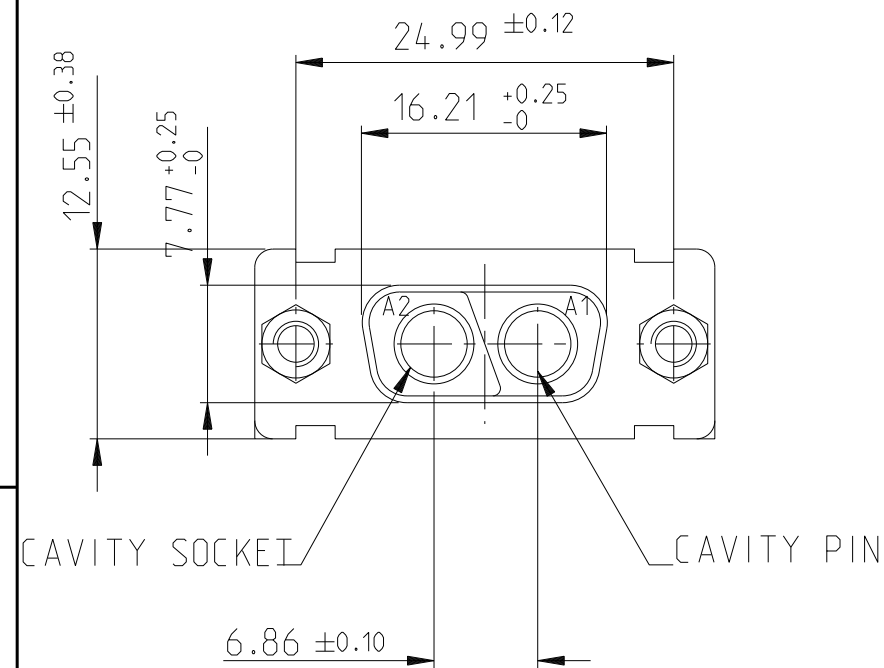
SCALE:4

|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|---------------------------------------|---------|--------|---------|------------------------|----------------------------|------------------------|---------------|--|----------------|-------------------|-----------|---------------|--|--------------|--|--------------|--|
| spec ref                              |         |        |         | dr                     | Pro Engineer 1             | 2015/06/16             |               |  | size           | scale             |           |               |  |              |  |              |  |
| tolerance std                         |         |        |         | eng                    | J Dalibard                 | 2016/09/13             |               |  | A2             | 2:1               |           |               |  |              |  |              |  |
|                                       |         |        |         | chr                    | J Dalibard                 | 2016/09/19             |               |  | ecn no         | ECN-ELX-F-24942-1 |           |               |  |              |  |              |  |
|                                       |         |        |         | appr                   | Aymeric Soudy              | 2016/09/20             |               |  | product family | -                 | rel level | Released      |  |              |  |              |  |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |         |        |         | Amphenol FCI           |                            |                        | SUB FEMALE DW |  |                | dwg no            |           | C01-8639-2311 |  | rev          |  | E            |  |
|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       | surface | linear | 0.X     | ±0.3                   | full power without contact |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        | 0.XX    | ±0.10                  |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        | 0.XXX   | ±0.05                  |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        | angular | 0°                     | ±2°                        | Product - Customer Drw |               |  |                |                   |           |               |  |              |  | sheet 2 of 4 |  |
|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |
|                                       |         |        |         | Product - Customer Drw |                            |                        |               |  |                |                   |           |               |  | sheet 2 of 4 |  |              |  |
|                                       |         |        |         |                        |                            |                        |               |  |                |                   |           |               |  |              |  |              |  |

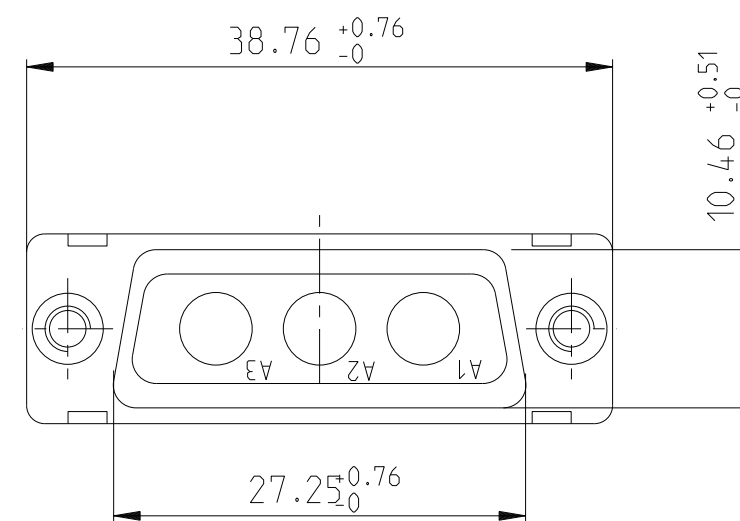
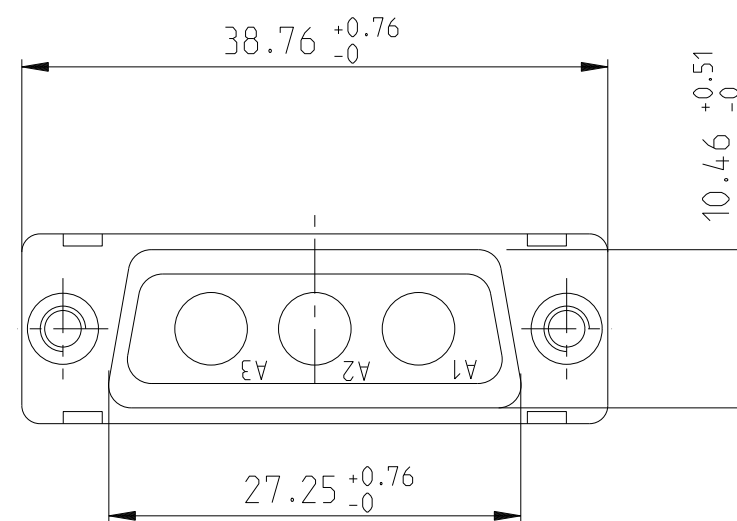
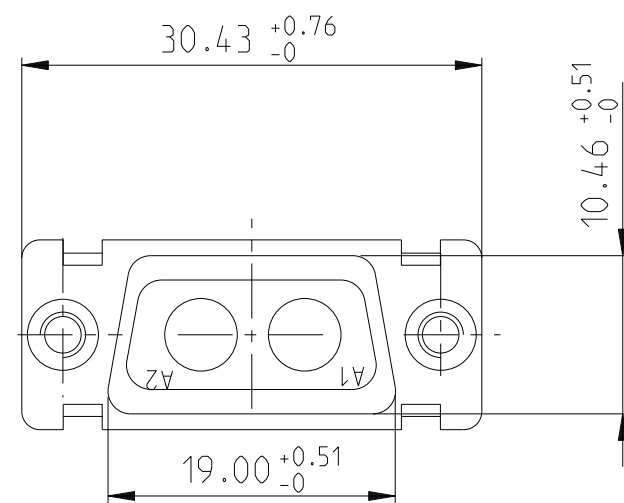
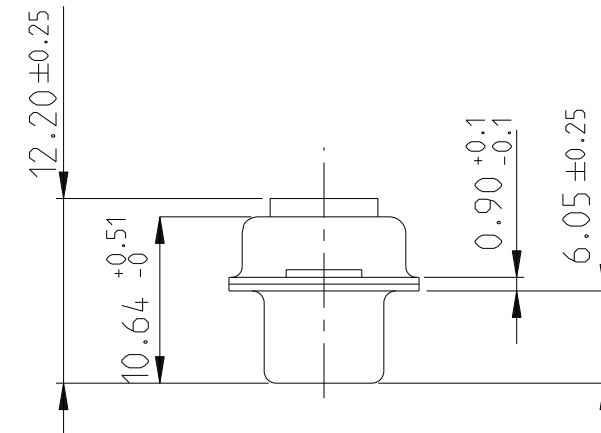
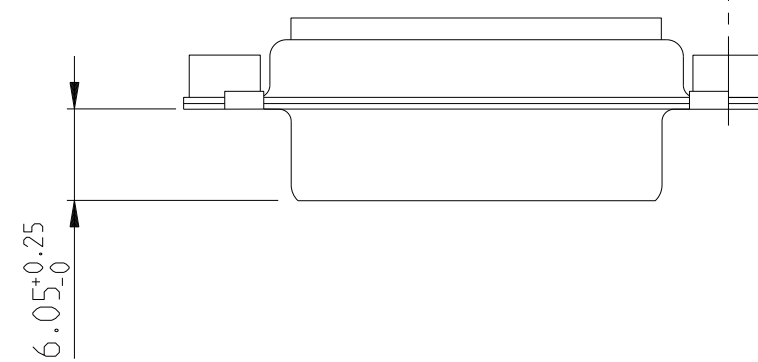
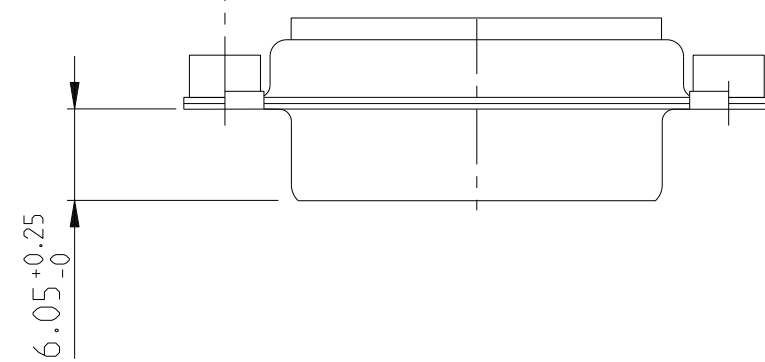
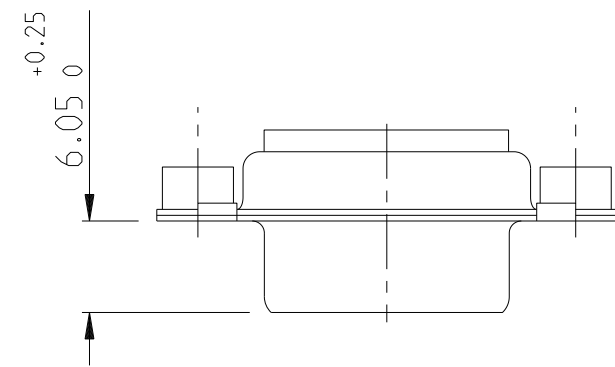
2V2

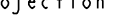
3V3

3W3



SIDE VIEW FOR  
LAYOUTS: E A B C



|                                                                                                                     |                                       |       |       |                |                     |                            |               |                                                                                                                        |                                                                                                                |           |                   |              |     |
|---------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------|-------|----------------|---------------------|----------------------------|---------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------|-------------------|--------------|-----|
| spec ref                                                                                                            |                                       |       | dr    | Pro Engineer 1 |                     | 2015/06/16                 |               | <div>projection</div> <div></div> | <div>mm</div> <div></div> | size      | scale             |              |     |
| tolerance std                                                                                                       | TOLERANCES UNLESS OTHERWISE SPECIFIED |       | eng   | J Dalibard     |                     | 2016/09/13                 |               |                                                                                                                        |                                                                                                                | A2        | 2:1               |              |     |
|                                                                                                                     |                                       |       | chr   | J Dalibard     |                     | 2016/09/19                 |               |                                                                                                                        |                                                                                                                | ecn no    | ECN-ELX-F-24942-1 |              |     |
|                                                                                                                     |                                       |       | appr  | Aymeric Soudy  |                     | 2016/09/20                 |               |                                                                                                                        |                                                                                                                |           |                   |              |     |
|                                                                                                                     |                                       |       |       |                |                     |                            |               | product family                                                                                                         | -                                                                                                              | rel level |                   | Released     |     |
| <div>surface</div> <div></div> | linear                                | 0.X   | ±0.3  |                | <b>Amphenol FCI</b> | title                      | SUB FEMALE DW |                                                                                                                        |                                                                                                                | dwg no    | C01-8639-2311     |              | rev |
|                                                                                                                     |                                       | 0.XX  | ±0.10 |                |                     | full power without contact |               |                                                                                                                        |                                                                                                                |           |                   |              |     |
|                                                                                                                     |                                       | 0.XXX | ±0.05 |                |                     |                            |               |                                                                                                                        |                                                                                                                |           |                   |              |     |
|                                                                                                                     | angular                               | 0°    | ±2°   |                |                     |                            |               |                                                                                                                        |                                                                                                                |           |                   |              |     |
|                                                                                                                     |                                       |       |       |                |                     | cat. no.                   | -             | Product - Customer Drw                                                                                                 |                                                                                                                |           |                   | sheet 3 of 4 |     |

Amphenol  
FCi

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FIRST ANGLE PROJECTION

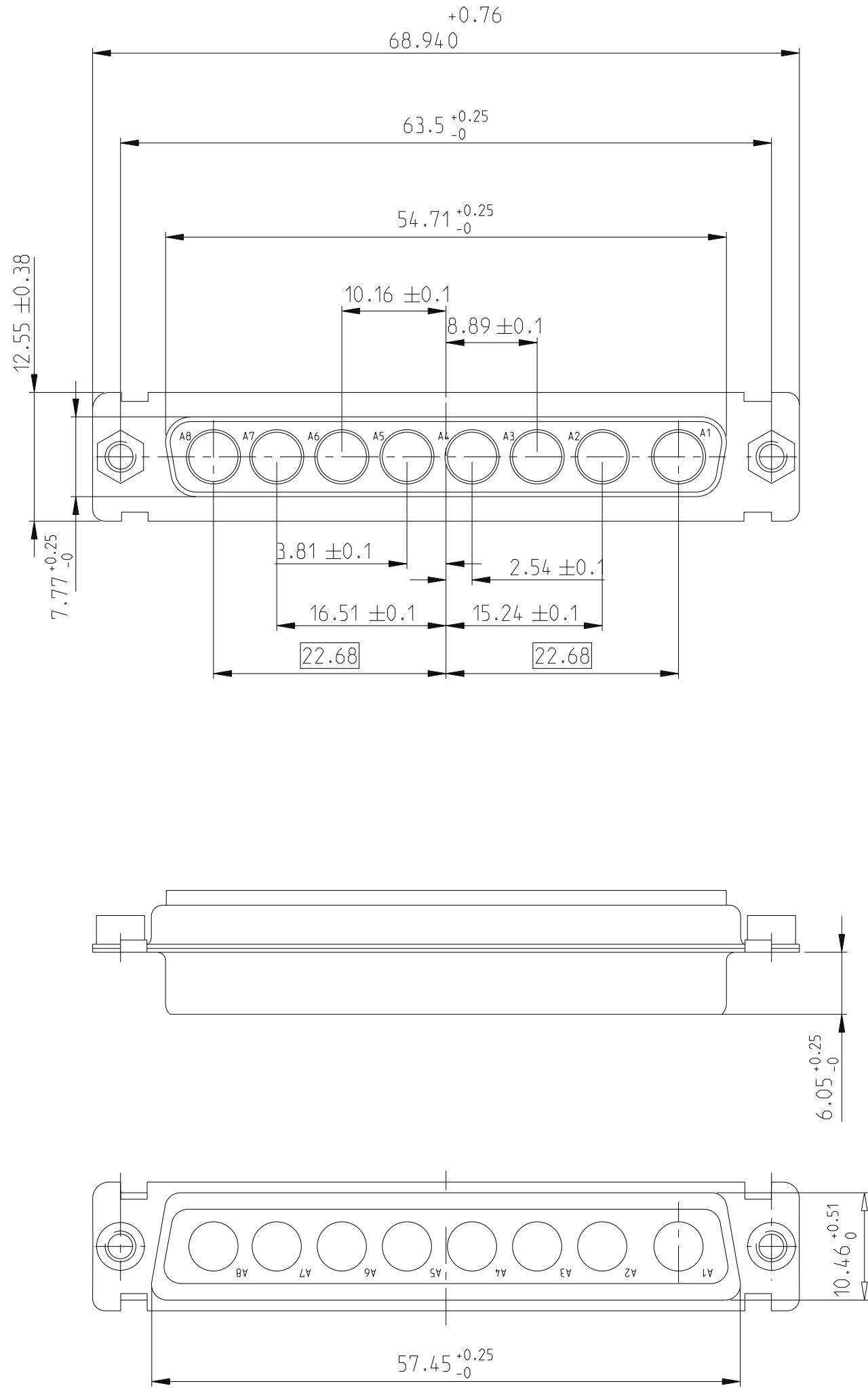
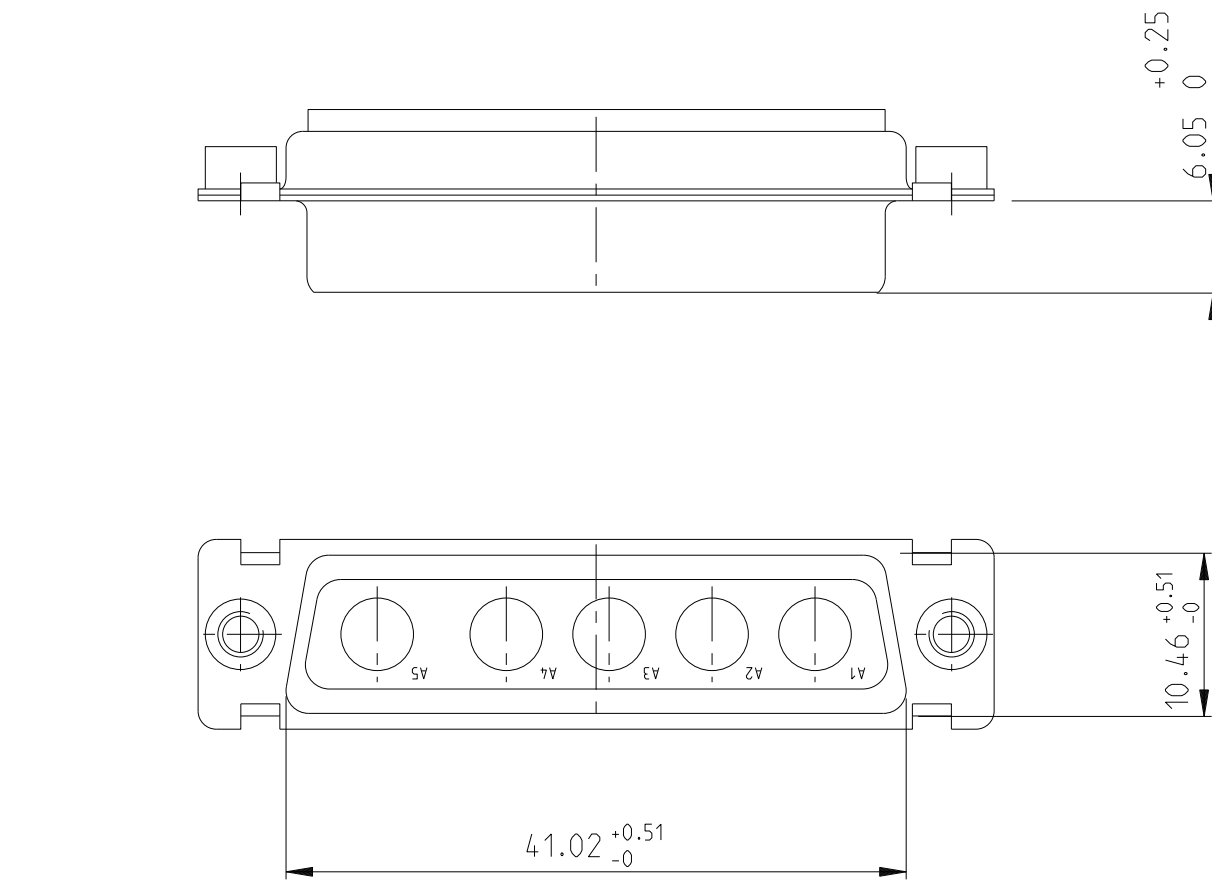
B

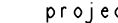
C

D

E

F



|                                                                                                  |         |       |       |                 |                            |            |                                                                                                     |                                                                                             |           |                        |       |              |
|--------------------------------------------------------------------------------------------------|---------|-------|-------|-----------------|----------------------------|------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------|------------------------|-------|--------------|
| spec ref                                                                                         |         |       |       | dr              | Pro Engineer 1             | 2015/06/16 | projection<br> | mm<br> | size      | A2                     | scale | 2:1          |
| tolerance std                                                                                    |         |       |       | eng             | J Dalibard                 | 2016/09/13 |                                                                                                     |                                                                                             | ecn no    | ECN-ELX-F-24942-1      |       |              |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                                            |         |       |       | chr             | J Dalibard                 | 2016/09/19 |                                                                                                     |                                                                                             | rel level |                        |       |              |
|                                                                                                  |         |       |       | appr            | Aymeric Soudy              | 2016/09/20 | product family                                                                                      |                                                                                             |           |                        | -     |              |
| surface<br> | linear  | 0.X   | ±0.3  | Amphenol<br>FCi | title<br>SUB FEMALE DW     |            |                                                                                                     |                                                                                             | dwg no    | C01-8639-2311          |       | rev<br>E     |
|                                                                                                  |         | 0.XX  | ±0.10 |                 |                            |            |                                                                                                     |                                                                                             |           |                        |       |              |
|                                                                                                  |         | 0.XXX | ±0.05 |                 | full power without contact |            |                                                                                                     |                                                                                             |           |                        |       |              |
|                                                                                                  | angular | 0°    | ±2°   | cat. no.        |                            |            |                                                                                                     |                                                                                             | -         | Product - Customer Drw |       | sheet 4 of 4 |

PDS: Rev :E

STATUS:Released

Printed: Sep 28, 2016

FIRST ANGLE PROJECTION

D

C

B

A