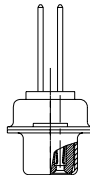
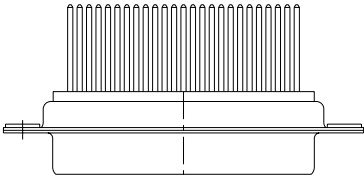


|                    |   |     |            |   |          |                  |                |             |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|--------------------|---|-----|------------|---|----------|------------------|----------------|-------------|--------------------|--------------|-------|--|---------|---|---------------|------------|----|--|--|--|--|----------|---|------------------|---|--|--|--|--|--|---------------------------------------|--|--|--|--|-----|--------|----|------|----|----------|------------|---------|----------|------|----|-------|---|-----------|-----|------------|-----|----------|------------|--------|-----------|--|--|-----|---|-----------|-----|------------|-----|----------|------------|--------|-------------|-----|-----------|--|--|--|--|--|------|----------|------------|----------------|------------|--|--|--|--|--|--|--|--------------------------------|--|--|--|--------|---------------|--|------|--|--|--|--|--------------------------------|--|--|--|--|--|--|---|--|--|--|--|------------|--|--|--|----------|--|--------------|--|---|
|                    | 1   | 2   | 3          | 4   | 5        | 6                | 7              | 8           |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| A                  | <div>REFERENCE SPECIFICATIONS</div> <div>-NFC 93425 (in compliance with HE 501)</div> <div>PHYSICAL CHARACTERISTICS</div> <div>-INSULATOR MATERIAL: THERMOPLASTIC UL94V0</div> <div>-CONTACT MATERIAL: PHOSPHOR BRONZE, GOLD OVER NICKEL</div> <div>ACCESSORIES: BRASS,cadmium plated yellow passivation</div> <div>SHELLS: STEEL,cadmium plated yellow passivation</div> <div>ELECTRICAL CHARACTERISTICS</div> <div>-NOMINAL CURRENT: 7.5A</div> <div>-CONTACT RESISTANCE: &lt;= 7.3 m ohms</div> <div>-CONTACT/CONTACT : &gt;=1000 V</div> <div>-CONTACT/GROUND : &gt;=1200 V</div> <div>-INSULATION RESISTANCE: &gt;=5000 MOhms</div> <div>ENVIRONMENTAL CHARACTERISTICS</div> <div>- CLIMATIC CATEGORY: 55/125/56</div> <div>TEMPERATURE RANGE -55°C TO +125°C</div> <div>DAMP HEAT STEADY STATE 56 DAYS</div> <div>SALT SPRAY 48 HOURS</div> <div>MECHANICAL CHARACTERISTICS</div> <div>- RETENTION AGAINST TORQUE: - Threaded insert: 0.7 N.m minimum</div> <div>- Female screw : 0.5 N.m minimum</div> |     |            | <div>Series DBML25S400</div> <div>Shell size: E A B C D see sheet 2</div> <div>Front accessory definition see sheet 2</div> <div>Blank :without accessory</div> <div>F :floating mounting</div> <div>L :threaded insert M3</div> <div>O :threaded insert UNC 4-40</div> <div>V :female screw UNC 4-40</div> <div>Contact number (see sheet 2) 9,15,25,37,50</div> <div>Contacts S :Socket</div> <div>Termination type 4 3 level wire wrap contact</div> <div>Plating 00 : 500 matings/unmatings</div> <div>43 : 500 matings/unmatings for harsh environment</div>   |          |                  |                |             | A                  |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| B                  |   |     |            |   |          |                  |                |             | B                  |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| C                  |   |     |            |   |          |                  |                |             | C                  |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| D                  |   |     |            |   |          |                  |                |             | D                  |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| E                  |   |     |            | <div></div> <div>25 WAY for Example</div> <table><tr><td colspan="4">www.fciconnect.com</td><td>surface</td><td>-</td><td>tolerance std</td><td>projection</td><td>mm</td></tr><tr><td colspan="4"></td><td>ISO 1302</td><td>✓</td><td>ISO 406 ISO 1101</td><td>⊕</td><td></td></tr><tr><td colspan="4"></td><td colspan="4">TOLERANCES UNLESS OTHERWISE SPECIFIED</td><td></td></tr><tr><td>rev</td><td>ecn no</td><td>dr</td><td>date</td><td>Dr</td><td>M PESSON</td><td>2006/11/14</td><td>ANGULAR</td><td>0.X ±0.3</td><td>size</td><td>A2</td><td>Scale</td></tr><tr><td>A</td><td>LS06-0174</td><td>MPE</td><td>2006/11/14</td><td>Eng</td><td>P LEGARE</td><td>2006/11/14</td><td>LINEAR</td><td>0.XX ±0.1</td><td></td><td></td><td>2:1</td></tr><tr><td>B</td><td>LS07-0273</td><td>MPE</td><td>2007/10/30</td><td>Chr</td><td>P LEGARE</td><td>2006/11/14</td><td>0° ±2°</td><td>0.XXX ±0.05</td><td>ECN</td><td>LS07-0273</td><td></td></tr><tr><td colspan="4"></td><td>Appr</td><td>P LEGARE</td><td>2006/11/14</td><td>Product family</td><td colspan="3">- Spec.ref</td><td></td></tr><tr><td colspan="4"></td><td colspan="4">FCI SUB FEMALE DM HE501 series</td><td>deg no</td><td colspan="2">C01-8637-1735</td><td>Rev.</td></tr><tr><td colspan="4"></td><td colspan="4">with 3 level wire wrap contact</td><td></td><td colspan="2"></td><td>B</td></tr><tr><td colspan="4"></td><td colspan="4">catalog no</td><td colspan="2">CUSTOMER</td><td colspan="2">sheet 1 of 4</td></tr></table> |          |                  |                |             | www.fciconnect.com |              |       |  | surface | - | tolerance std | projection | mm |  |  |  |  | ISO 1302 | ✓ | ISO 406 ISO 1101 | ⊕ |  |  |  |  |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |  |  |  |  | rev | ecn no | dr | date | Dr | M PESSON | 2006/11/14 | ANGULAR | 0.X ±0.3 | size | A2 | Scale | A | LS06-0174 | MPE | 2006/11/14 | Eng | P LEGARE | 2006/11/14 | LINEAR | 0.XX ±0.1 |  |  | 2:1 | B | LS07-0273 | MPE | 2007/10/30 | Chr | P LEGARE | 2006/11/14 | 0° ±2° | 0.XXX ±0.05 | ECN | LS07-0273 |  |  |  |  |  | Appr | P LEGARE | 2006/11/14 | Product family | - Spec.ref |  |  |  |  |  |  |  | FCI SUB FEMALE DM HE501 series |  |  |  | deg no | C01-8637-1735 |  | Rev. |  |  |  |  | with 3 level wire wrap contact |  |  |  |  |  |  | B |  |  |  |  | catalog no |  |  |  | CUSTOMER |  | sheet 1 of 4 |  | E |
| www.fciconnect.com |   |     |            | surface   | -        | tolerance std    | projection     | mm          |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | ISO 1302  | ✓        | ISO 406 ISO 1101 | ⊕              |             |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | TOLERANCES UNLESS OTHERWISE SPECIFIED   |          |                  |                |             |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| rev                | ecn no  | dr  | date       | Dr  | M PESSON | 2006/11/14       | ANGULAR        | 0.X ±0.3    | size               | A2           | Scale |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| A                  | LS06-0174   | MPE | 2006/11/14 | Eng   | P LEGARE | 2006/11/14       | LINEAR         | 0.XX ±0.1   |                    |              | 2:1   |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| B                  | LS07-0273   | MPE | 2007/10/30 | Chr   | P LEGARE | 2006/11/14       | 0° ±2°         | 0.XXX ±0.05 | ECN                | LS07-0273    |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | Appr  | P LEGARE | 2006/11/14       | Product family | - Spec.ref  |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | FCI SUB FEMALE DM HE501 series  |          |                  |                | deg no      | C01-8637-1735      |              | Rev.  |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | with 3 level wire wrap contact  |          |                  |                |             |                    |              | B     |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    |   |     |            | catalog no  |          |                  |                | CUSTOMER    |                    | sheet 1 of 4 |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
| F                  |   |     |            |   |          |                  |                |             | F                  |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |
|                    | 1   | 2   | 3          | 4   | 5        | 6                | 7              | 8           |                    |              |       |  |         |   |               |            |    |  |  |  |  |          |   |                  |   |  |  |  |  |  |                                       |  |  |  |  |     |        |    |      |    |          |            |         |          |      |    |       |   |           |     |            |     |          |            |        |           |  |  |     |   |           |     |            |     |          |            |        |             |     |           |  |  |  |  |  |      |          |            |                |            |  |  |  |  |  |  |  |                                |  |  |  |        |               |  |      |  |  |  |  |                                |  |  |  |  |  |  |   |  |  |  |  |            |  |  |  |          |  |              |  |   |

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

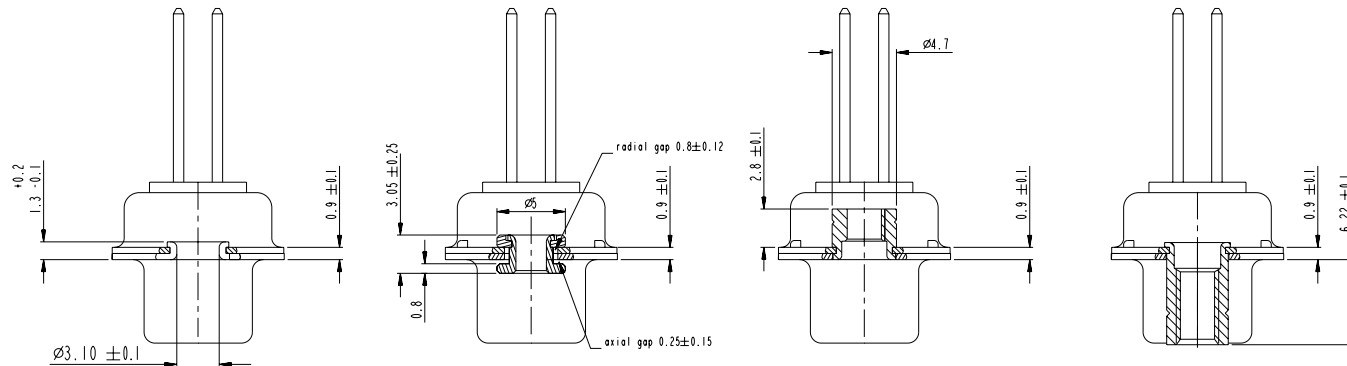
B

C

D

E

F



|                 |               |                     |                                  |                         |
|-----------------|---------------|---------------------|----------------------------------|-------------------------|
| FRONT ACCESSORY | Blank without | F floating mounting | L insert M3<br>O insert UNC 4.40 | V female screw UNC 4.40 |
|-----------------|---------------|---------------------|----------------------------------|-------------------------|

| PART NUMBER | FRONT ACCESSORY       |
|-------------|-----------------------|
| D*MxxS443   | without               |
| D*MFxxS443  | floating mounting     |
| D*MLxxS443  | insert M3             |
| D*MOxxS443  | insert UNC 4.40       |
| D*MVxxS443  | female screw UNC 4.40 |

| shell size | Contact number |
|------------|----------------|
| X          | XX             |
| E          | 09             |
| A          | 15             |
| B          | 25             |
| C          | 37             |
| D          | 50             |

| PART NUMBER | FRONT ACCESSORY       |
|-------------|-----------------------|
| D*MxxS400   | without               |
| D*MFxxS400  | floating mounting     |
| D*MLxxS400  | insert M3             |
| D*MOxxS400  | insert UNC 4.40       |
| D*MVxxS400  | female screw UNC 4.40 |

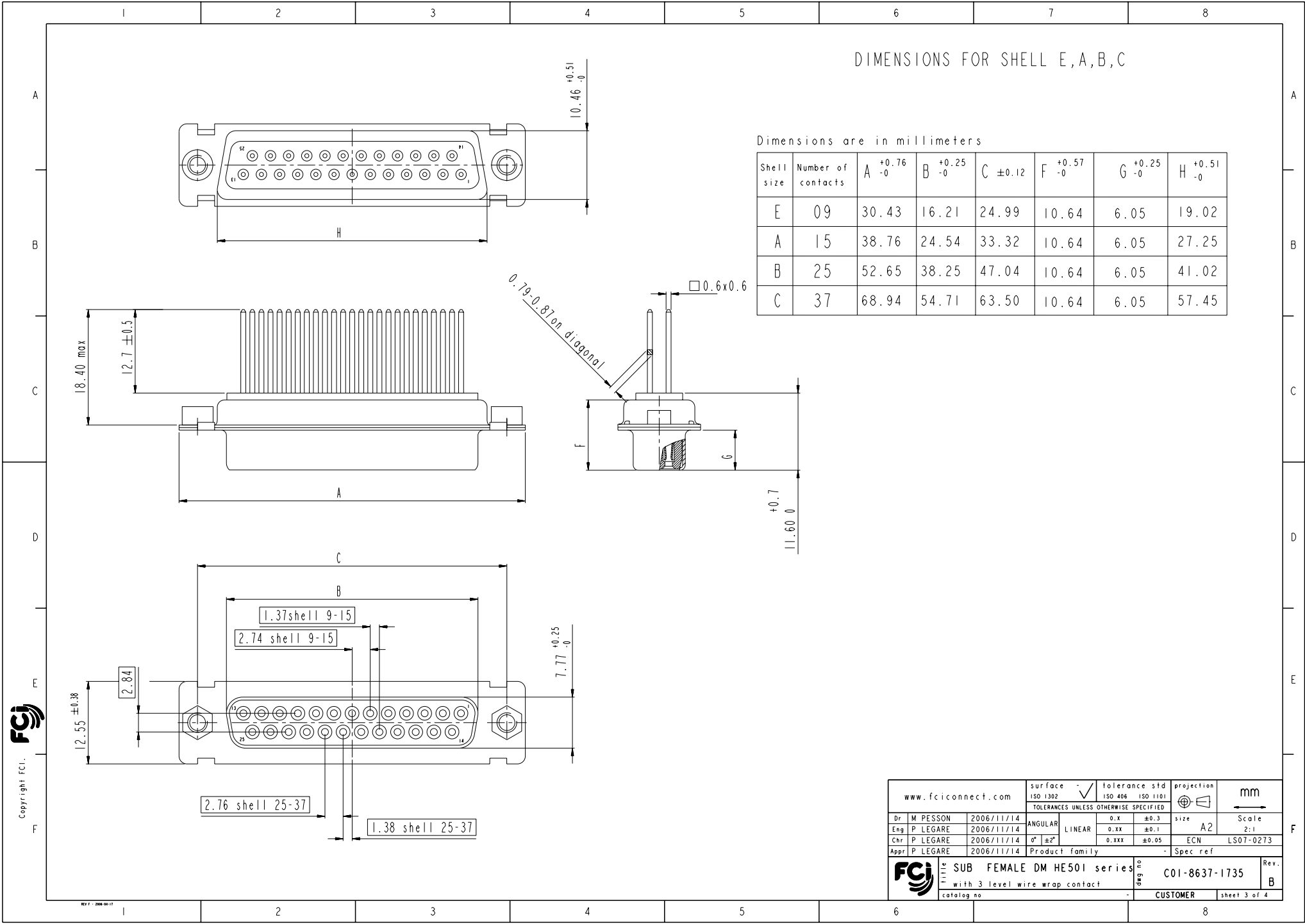
CROSS REFERENCES HE501 and FCI

| HE501 P/N   | FCI P/N    | FRONT ACCESSORY   |
|-------------|------------|-------------------|
| HE501NxxKS3 | D*MxxS400  | without           |
| HE501FxxKS3 | D*MFxxS400 | floating mounting |

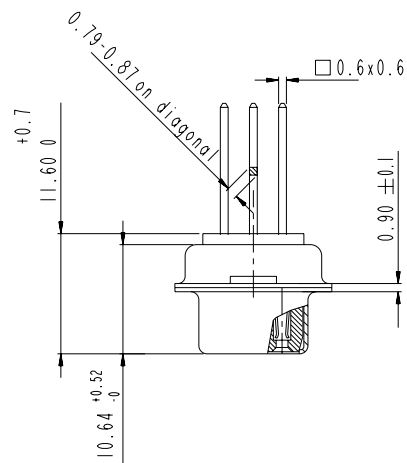
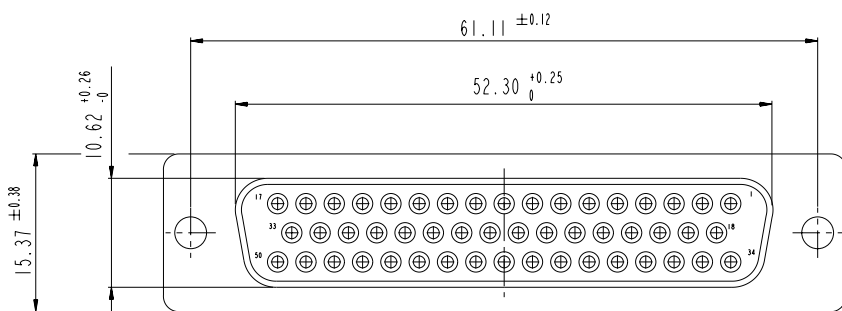
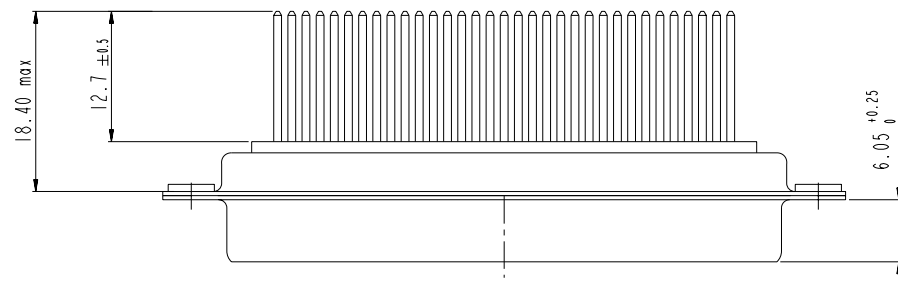
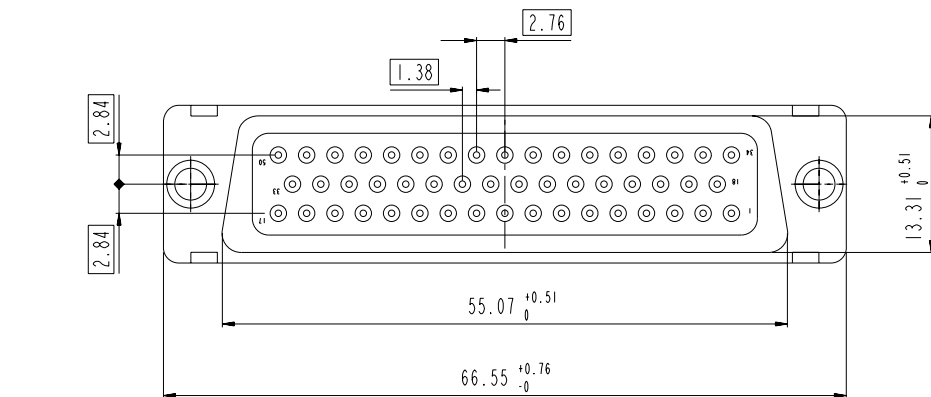
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SCALE: 4

|                    |          |                                       |                  |             |                   |
|--------------------|----------|---------------------------------------|------------------|-------------|-------------------|
| www.fciconnect.com |          | surface -                             | tolerance std    | projection  | mm                |
|                    |          | ISO 1302                              | ISO 406 ISO 1101 |             |                   |
|                    |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |                  |             |                   |
| Dr                 | M PESSON | 2006/11/14                            | ANGULAR          | 0.X ±0.3    | size A2 Scale 2:1 |
| Eng                | P LEGARE | 2006/11/14                            | LINEAR           | 0.XX ±0.1   |                   |
| Chr                | P LEGARE | 2006/11/14                            | 0° ±2°           | 0.XXX ±0.05 | ECN LS07-0273     |
| Appr               | P LEGARE | 2006/11/14                            | Product family   | -           | Spec ref          |
| FCI                |          | SUB FEMALE DM HE501 series            |                  | dag no      | C01-8637-1735     |
|                    |          | with 3 level wire wrap contact        |                  | Rev.        | B                 |
|                    |          | catalog no                            | -                | CUSTOMER    | sheet 2 of 4      |



# DIMENSIONS FOR SHELL SIZE D (50 CONTACTS)



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|                    |          |                                       |                                   |                  |               |
|--------------------|----------|---------------------------------------|-----------------------------------|------------------|---------------|
| www.fciconnect.com |          | surface<br>ISO 1302                   | tolerance std<br>ISO 406 ISO 1101 | projection<br>A2 | mm            |
|                    |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |                                   | size             | Scale         |
| Dr                 | M PESSON | 2006/11/14                            | ANGULAR                           | 0.X              | $\pm 0.3$     |
| Eng                | P LEGARE | 2006/11/14                            | LINEAR                            | 0.XX             | $\pm 0.1$     |
| Chr                | P LEGARE | 2006/11/14                            | 0° $\pm 2^\circ$                  | 0.XXX            | $\pm 0.05$    |
| Appr               | P LEGARE | 2006/11/14                            | Product family                    | -                | Spec ref      |
| FCI                |          | SUB FEMALE DM HE501 series            |                                   | dag no           | C01-8637-1735 |
|                    |          | with 3 level wire wrap contact        |                                   | Rev.             | B             |
|                    |          | catalog no                            | -                                 | CUSTOMER         | sheet 4 of 4  |

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