

REFERENCE SPECIFICATIONS

-NFC 93425 (in compliance with HE 507)

PHYSICAL CHARACTERISTICS

- INSULATOR MATERIAL: THERMOPLASTIC UL94 V-0
- ACCESSORIES: STAINLESS STEEL or BRASS, cadmium plated yellow passivation
- SHELLS: STEEL, cadmium plated yellow passivation

ELECTRICAL CHARACTERISTICS

- CONTACT/CONTACT : ≥ 1000 V
- CONTACT/GROUND : ≥ 1200 V
- INSULATION RESISTANCE: ≥ 5000 M Ω

ENVIRONMENTAL CHARACTERISTICS

- CLIMATIC CATEGORY: 55/125/56
- TEMPERATURE RANGE -55°C TO +125°C
- DAMP HEAT STEADY STATE 56 DAYS
- SALT SPRAY 48 HOURS

Series

DBMF5W5SNShell size: **E A B C**

see sheet 2

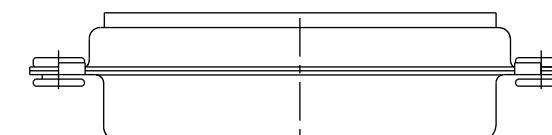
Front accessory definition
see sheet 2**Blank** :without accessory**L** :threaded insert M3**O** :threaded insert UNC 4-40**V** :female screw UNC 4-40**I** :female screw M3**F** :floating mounting

Contacts

Layout of contacts (see sheet 3)

S :Socket**N** :mandatory indication for HE 507 series

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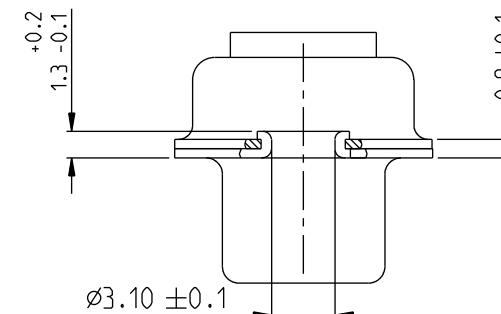
| www.fciconnect.com | | | | surface | - | tolerance std | ISO 406 ISO 1101 | projection | mm | | | | |
|--------------------|-----------|-----|------------|---------|----------|---------------|------------------|------------|-------|------------|----------|----|----------|
| rev | ecn no | dr | date | Dr | M PESSON | 2006/11/14 | ANGULAR | LINEAR | 0.X | ± 0.3 | size | A2 | Scale |
| A | LS06-0174 | MPE | 2006/11/14 | Eng | P LEGARE | 2006/11/14 | | | 0.XX | ± 0.1 | | | |
| B | LS07-0273 | MPE | 2007/10/30 | Chr | P LEGARE | 2006/11/14 | 0° | $\pm 2°$ | 0.XXX | ± 0.05 | ECN | | F10-0072 |
| C | F10-0072 | LSA | 2010/07/20 | Appr | P LEGARE | 2006/11/14 | Product family | | | | Spec ref | | |
| - | - | - | - | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | |
| - | - | - | - | | | | | | | | | | |

FCI title SUB FEMALE DMW
full power without contact dwg no C01-8637-1731 Rev. C

catalog no - CUSTOMER sheet 1 of 4

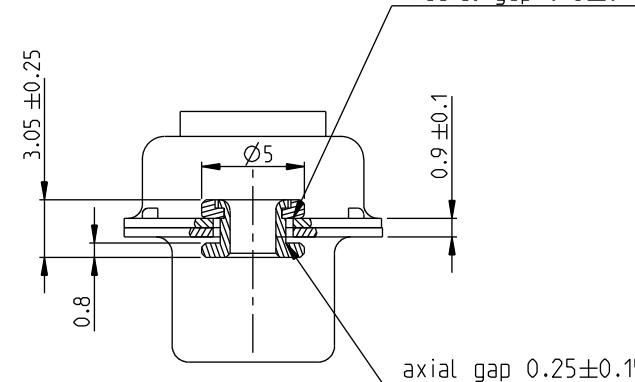
I 2 3 4 5 6 7 8

A

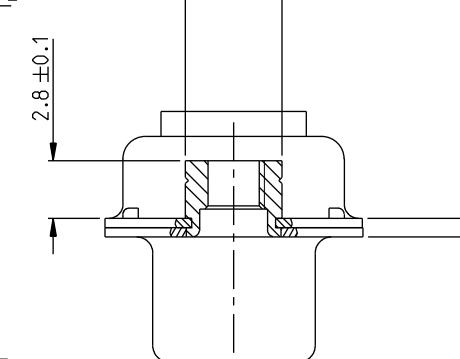
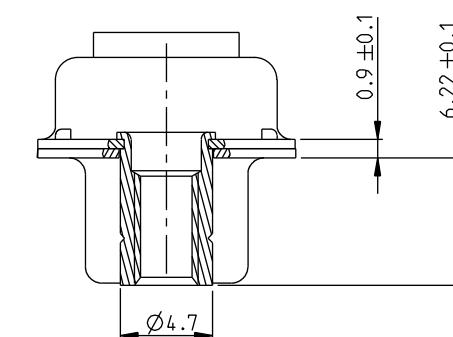


FRONT ACCESSORY

Blank without



F Floating mounting

L insert M3
O insert UNC 4.40V Female screw UNC 4.40
I Female screw M3

B

A

C

B

D

C

FCI

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| PART NUMBER | FRONT ACCESSORY |
|-------------|-----------------------|
| D*M*W*SN | without |
| D*ML*W*SN | insert M3 |
| D*MO*W*SN | insert UNC 4-40 |
| D*MV*W*SN | female screw UNC 4-40 |
| D*MI*W*SN | female screw M3 |
| D*MF*W*SN | floating mounting |

shell size LAYOUTS

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

| www.fciconnect.com | | | surface | - | tolerance std | projection | mm |
|---------------------------------------|----------|------------|----------|-------|---------------|---------------|----------|
| Dr | M PESSON | 2006/11/14 | ISO 1302 | | | ISO 406 | ISO 1101 |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | | | | | | |
| Eng | P LEGARE | 2006/11/14 | ANGULAR | 0.X | ±0.3 | size | A2 |
| Chr | P LEGARE | 2006/11/14 | LINEAR | 0.XX | ±0.1 | Scale | 4:1 |
| Appr | P LEGARE | 2006/11/14 | 0° ±2° | 0.XXX | ±0.05 | ECN | F10-0072 |
| Product family | | | Spec ref | | | | |
| FCI | | | dwg no | | | C01-8637-1731 | |
| title | | | Rev. | | | | |
| SUB FEMALE DMW | | | | | | | |
| full power without contact | | | | | | | |
| catalog no | | | CUSTOMER | | | sheet 2 of 4 | |

SCALE: 4



PDM: Rev:C

STATUS Released

Printed: Oct 28, 2011

REV E - 2006-03-20

I

2

3

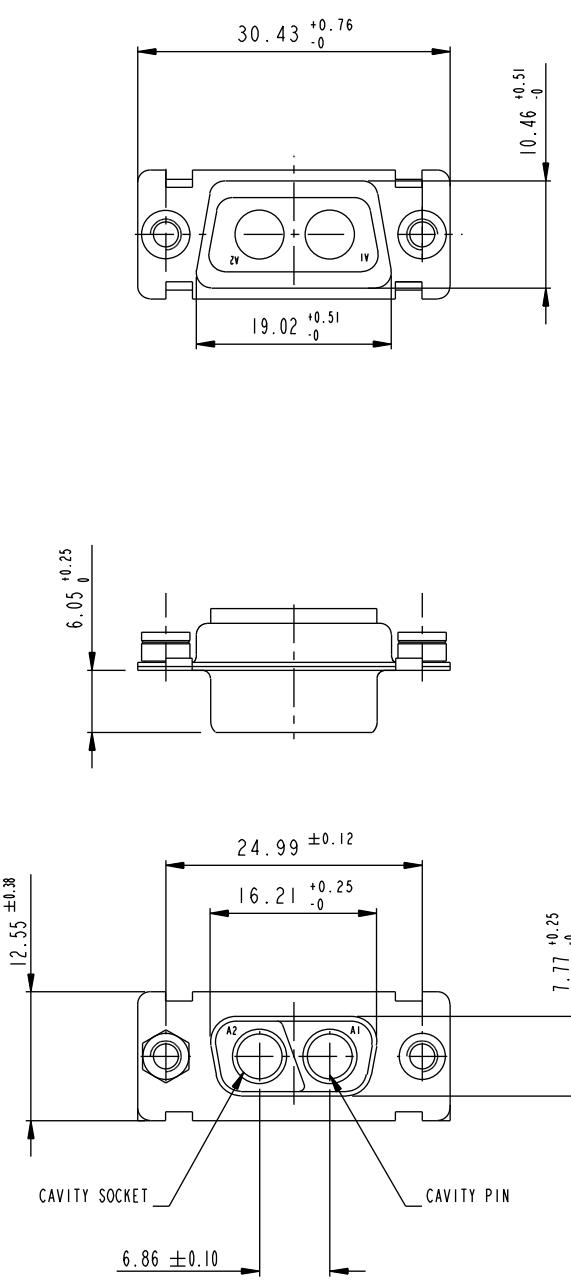
4

5

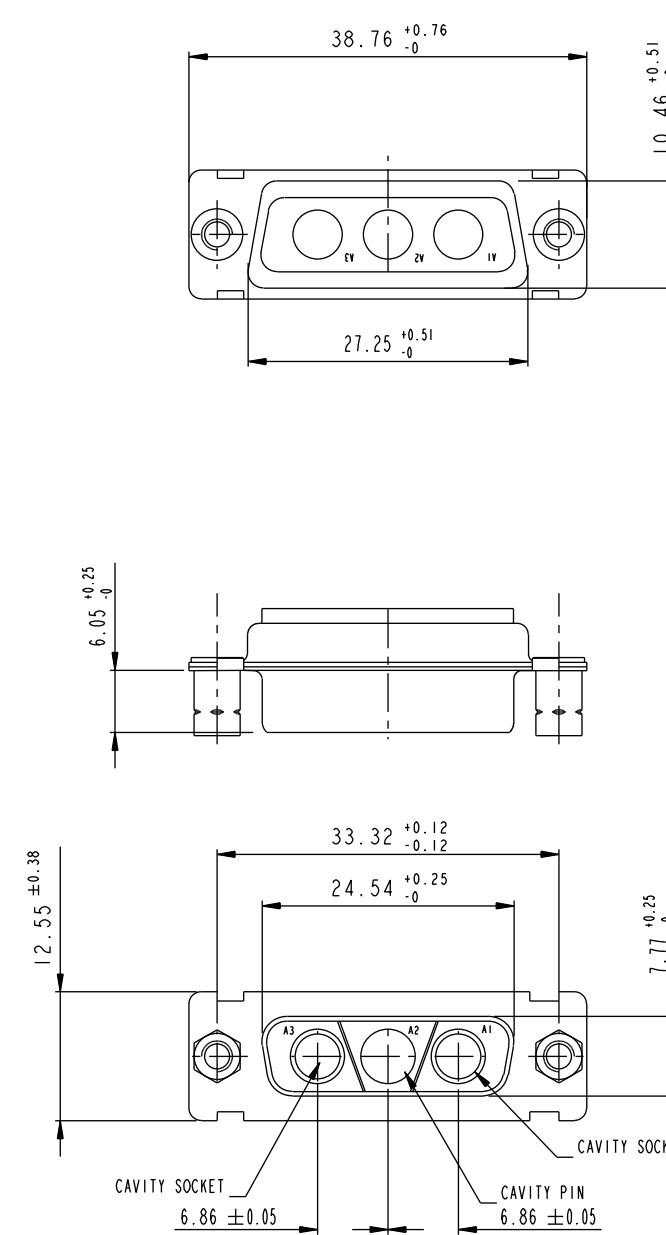
6

8

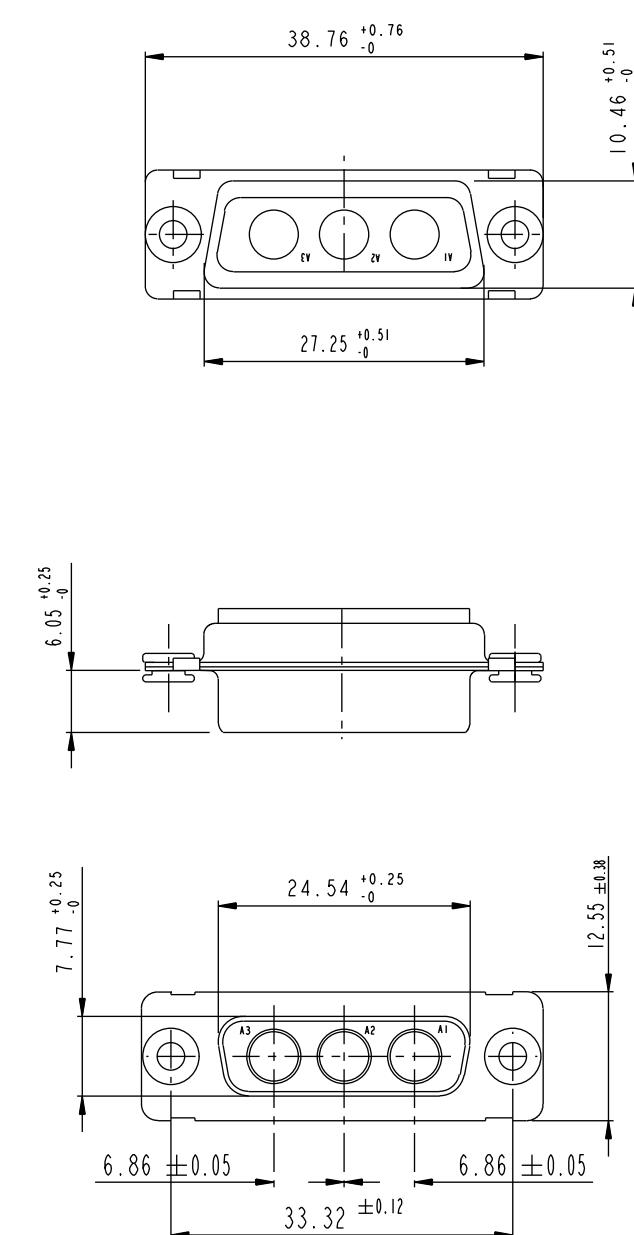
2V2



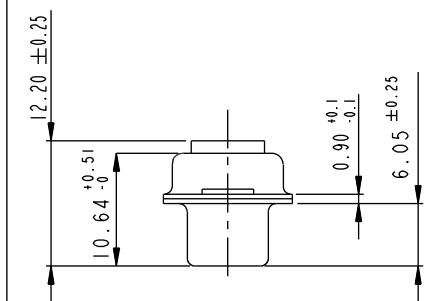
3V3



3W3



SIDE VIEW FOR
LAYOUTS: E A B C



| www.fciconnect.com | | | surface | - | tolerance std | ISO 406 | ISO 1101 | projection | mm |
|--------------------|--|------------|---------------------------------------|--------|---------------|---------|--------------|------------|-------|
| Dr | M PESSON | 2006/11/14 | TOLERANCES UNLESS OTHERWISE SPECIFIED | | ANGULAR | LINEAR | 0.X | ±0.3 | size |
| Eng | P LEGARE | 2006/11/14 | | | | | 0.XX | ±0.1 | A2 |
| Chr | P LEGARE | 2006/11/14 | | | 0° | ±2° | 0.XXX | ±0.05 | ECN |
| Appr | P LEGARE | 2006/11/14 | Product family | - | F10-0072 | | Spec ref | | Scale |
| FCI | SUB FEMALE DMW full power without contact | | | dwg no | C01-8637-1731 | | Rev. | | |
| | catalog no | | | - | CUSTOMER | | sheet 3 of 4 | | |

5W5

8W8

A

6

6

6

1

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REV E - 2006-03-2

Technical drawing showing three views of a component with various dimensions and labels:

- Top View:** Shows a rectangular housing with five circular cutouts labeled 5V, 4V, 3V, 2V, and 1V from left to right. A dimension of $41.02^{+0.51}_{-0}$ is given for the width of the housing.
- Side View:** Shows a cylindrical component with a central tube. A dimension of $6.05^{+0.25}_{-0}$ is given for the height of the cylindrical part.
- Bottom View:** Shows a rectangular housing with five circular cutouts labeled A5, A4, A3, A2, and A1 from left to right. Dimensions include:
 - Width of the housing: $52.65^{+0.76}_{-0}$
 - Width of the top section: 47.04 ± 0.12
 - Width of the bottom section: $38.84^{+0.25}_{-0}$
 - Width of the central gap: 5.94 ± 0.05
 - Width of the side gap: 0.86 ± 0.05
 - Width of the bottom section at the bottom: 7.67 ± 0.1
 - Width of the side section at the bottom: 14.48 ± 0.05

Technical drawing showing a top-down view of a mechanical assembly. The assembly consists of a central rectangular block with circular features and side plates. Key dimensions are as follows:

- Width of the central block: $57.45^{+0.51}_{-0}$
- Overall width of the assembly: $68.94^{+0.76}_{-0}$
- Width of the side plates: $12.55^{+0.38}_{-0}$
- Height of the side plates: $7.77^{+0.25}_{-0}$
- Width of the top plate: 63.5 ± 0.12
- Width of the bottom plate: $54.71^{+0.25}_{-0}$
- Width of the central block (excluding side plates): 10.16 ± 0.05
- Width of the side plates (excluding central block): 8.89 ± 0.05
- Width of the side plates (excluding central block): 2.54 ± 0.05
- Width of the top plate (excluding side plates): 3.81 ± 0.05
- Width of the bottom plate (excluding side plates): 16.51 ± 0.05
- Width of the bottom plate (excluding side plates): 15.24 ± 0.05
- Width of the top plate (excluding side plates): 22.68 ± 0.05
- Width of the bottom plate (excluding side plates): 22.68 ± 0.05

Part labels visible on the top plate include: 8Y, 7Y, 6Y, 5Y, 4Y, 3Y, 2Y, 1Y, and 0Y. A vertical dimension of $0.46^{+0.51}_{-0}$ is also indicated on the right side.

| | | | | | | | | | |
|---|----------|--|---------------------------------------|--------|------------------|----------|---------------|--------------------|--------|
| 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 | LINEAR | 0.X | ±0.3 | size | Scale A2 2.1 | |
| Eng | P LEGARE | 2006/11/14 | | | 0.XX | ±0.1 | | | |
| Chr | P LEGARE | 2006/11/14 | | | 0.XXX | ±0.05 | | | |
| Appr | P LEGARE | 2006/11/14 | Product family | | - | Spec ref | F10-0072 | | |
|  | | Title SUB FEMALE DMW full power without contact | | | | dwg no | C01-8637-1731 | | Rev. C |
| catalog no | | | | | | - | CUSTOMER | sheet 4 of 4 | |