



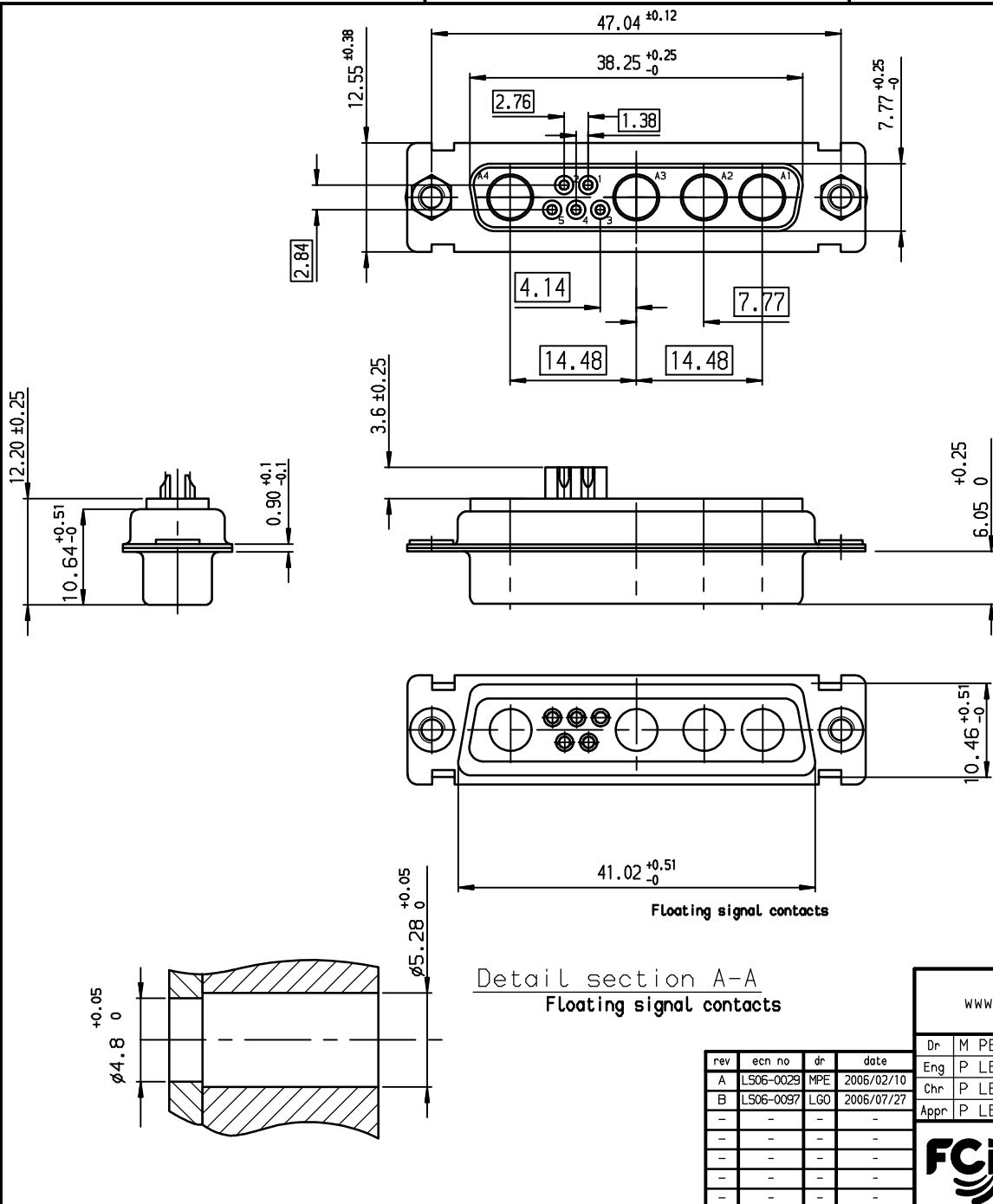
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A

B

C

D



**CHARACTERISTICS:**

Max current rating: 7.5A per standard contact  
 Dielectric withstanding voltage: 1000V minimum  
 Insulation resistance: >5000Ma  
 Contact resistance: <7.3ma  
 Mating and unmating forces: 500

Contact retention: 40N for contact size 20  
 Material of -insulator: Thermoset  
 -shell: Steel  
 -contact: brass

Plating of -shell: cadmium  
 -contact: gold over nickel

Contact diameter: 1 mm  
 cable diameter: AWG 20 maxi (0.6mm<sup>2</sup>)  
 Temperature range: -55°C,+155°C

**TEST RESULTS**

Contact resistance after 100,200,500 mating/unmating: RC<7.3 ma  
 Results of salt spray test: method 1001 of MIL STD 1344  
 Mating/unmating force after 500 mating cycles: <0.2N per contact  
 Shock test results: method 2004 MIL STD 1344 discontinuity <1 microsecond  
 Vibrations: method 2005 of MIL STD 1344 discontinuity <1 microsecond  
 Humidity: method 1002 of MIL-STD-1344,56 days

DBM9W4SN  
 PART NUMBER

**European Views**

|                                                   |          |                                       |                                   |                  |
|---------------------------------------------------|----------|---------------------------------------|-----------------------------------|------------------|
| www.fciconnect.com                                |          | surface<br>ISO 1302 ✓                 | tolerance std<br>ISO 406 ISO 1101 | projection<br>mm |
|                                                   |          | TOLERANCES UNLESS OTHERWISE SPECIFIED |                                   |                  |
| Dr                                                | M PESSON | 2006/02/10                            | 0.X                               | ±0.1             |
| Eng                                               | P LEGARE | 2006/02/10                            | 0.XX                              | ±0.1             |
| Chr                                               | P LEGARE | 2006/02/10                            | 0.XXX                             | ±0.1             |
| Appr                                              | P LEGARE | 2006/02/10                            | Product family D-SUB Spec ref -   |                  |
| title<br>SUB FEMALE DMW 9W4<br>WITH SOLDER BUCKET |          | catlog no                             | eng no<br>C01-8637-1717           | Rev.<br>B        |
|                                                   |          | CUSTOMER                              |                                   | sheet 1 of 1     |

| rev | ecn no    | dr  | date       |
|-----|-----------|-----|------------|
| A   | LS06-0029 | MPE | 2006/02/10 |
| B   | LS06-0097 | LGO | 2006/07/27 |
| -   | -         | -   | -          |
| -   | -         | -   | -          |
| -   | -         | -   | -          |
| -   | -         | -   | -          |

Detail section A-A  
Floating signal contacts

REV F - 2006-04-17