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#### REQUIREMENTS

##### Technical characteristics:

Shell: steel tin/Zinc Cr3 plated

Insulators: self-extinguishing black polyster, UL class 94V0

Contacts size 20: phosphor bronze, gold on mating end, bright tin on termination end over nickel on entire contact

Cycles : 500 for protection 6

Nuts: M3, brass, tin/Zinc Cr3 plated torque: 1.5N/m

##### Electrical characteristics:

max. current rating: 5A

Test voltage: 1000V

Rated voltage: 300V

Contact resistance:  $\leq 15\text{m}\Omega$

Shell resistance:  $\leq 5\text{m}\Omega$

Insulation resistance:  $\geq 5000\text{M}\Omega$

##### Climatic characteristics:

Operating temperature range:  $-55^{\circ}\text{C}$   $+125^{\circ}\text{C}$

##### Dimensions:

in accordance with MIL-C-24308

#### Part Number & Date Code Printing

| SHELL | PART NUMBER  |              |              |              | Plating: 0.76 $\mu$ AU |
|-------|--------------|--------------|--------------|--------------|------------------------|
|       | A $\pm 0.38$ | B $\pm 0.12$ | C $\pm 0.10$ | D $\pm 0.25$ |                        |
| 09    | 30.81        | 24.99        | 16.96        | 16.21        | D09S23B6PL4A**         |
| 15    | 39.14        | 33.32        | 25.18        | 24.54        | D15S23B6PL4A**         |
| 25    | 53.03        | 47.04        | 39.12        | 38.25        | D25S23B6PL4A**         |
| 37    | 69.32        | 63.50        | 55.68        | 54.71        | D37S23B6PL4A**         |

LF OR LEAD FREE

FOR ROHS DETAILS REFER DWG.NO: C01-8646-0000

| rev | ecn no   | dr | date       |
|-----|----------|----|------------|
| C   | I05-0124 | JS | 2005/07/27 |
| D   | I06-0074 | SK | 2006/06/08 |
| -   | -        | -  | -          |
| -   | -        | -  | -          |
| -   | -        | -  | -          |
| -   | -        | -  | -          |

|                                                                                       |             |            |                                            |        |                                   |      |                                                                                                     |              |                                                                                             |  |
|---------------------------------------------------------------------------------------|-------------|------------|--------------------------------------------|--------|-----------------------------------|------|-----------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------|--|
| www.fciconnect.com                                                                    |             |            | surface<br>ISO 1302                        |        | tolerance std<br>ISO 406 ISO 1101 |      | projection<br> |              | mm<br> |  |
|                                                                                       |             |            | TOLERANCES UNLESS OTHERWISE SPECIFIED      |        |                                   |      |                                                                                                     |              |                                                                                             |  |
| Dr                                                                                    | JOHN SLEEBA | 2001/03/14 | ANGULAR                                    | LINEAR | 0.X                               | ±0.1 | size<br>A3                                                                                          | Scale<br>1:1 |                                                                                             |  |
| Eng                                                                                   | GEORGE VJ   | 2001/03/14 |                                            |        | 0.XX                              | ±0.1 |                                                                                                     |              |                                                                                             |  |
| Chr                                                                                   | GEORGE VJ   | 2005/07/27 | 0.XX°                                      | ±1°    | 0.XXX                             | ±0.1 | ECN                                                                                                 |              | -                                                                                           |  |
| Appr                                                                                  | KVSD        | 2005/07/27 | Product family                             |        |                                   |      | D-SUB                                                                                               | Spec ref -   |                                                                                             |  |
|  |             |            | title<br>SOCKET CONNECTOR DELTA D with nut |        |                                   |      | dwg no<br>C01-8646-0764                                                                             |              | Rev.<br>D                                                                                   |  |
|                                                                                       |             |            | catalog no<br>DELTA-D                      |        |                                   |      |                                                                                                     |              |                                                                                             |  |
|                                                                                       |             |            | CUSTOMER                                   |        |                                   |      | sheet 1 of 1                                                                                        |              |                                                                                             |  |

REV F - 2006-04-17

PDM: Rev:D

STATUS: Released

Printed: Jan 18, 2011