



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 48 Max   |
| Z                   | 31 Max   |
| VV THREAD           | M37x1-6g |

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Olive drab Cadmium
- Insulator : Thermoplastic
- Contacts : Copper Alloy
- Seals & Grommet : Silicon Elastomer
- Contact Plating : Gold over copper Alloy 0.8µm minimum
- Durability : 500 Mating cycles
- Delivered with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 58.42 g ± 10%

SOURIAU shall not be liable for any non-conformity or damage due to a use of the Products which does not comply with the Specifications issued by either of the Parties or by a third party (professional recommendation, technical notice.)

|         |                             |
|---------|-----------------------------|
| Country | Jurisdiction & Control List |
| FR      | Not Listed                  |

**PN: 8D525W04PB**

|                                    |   |                                |   |
|------------------------------------|---|--------------------------------|---|
| A                                  | 09-10-2016  | First Release                  |   |
| ISS                                | DATE  | Latest modification - by       | MOD N°  |
| Designed By:                       |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>                       | <b>Aluminium Plug 8D series</b>                                     |                                |   |
| SCALE                              |   | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>   |
| NA                                 | <b>SOURIAU</b> <a href="http://WWW.SOURIAU.COM">WWW.SOURIAU.COM</a> |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT                             | <b>A3</b>   |                                | SHEET<br>1/2  |
| <b>SOURIAU DRG N° 8D525W04PB-C</b> |   |                                |   |

|                |                         |   |   |    |   |    |   |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | W | 04 | P | B | ORIENTATION : B                 |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-04          |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |                                 |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |                                 |

4  
3  
2  
1

**Contact Layout**



| Contacts<br>(insert arrangement 25-4) |              |              |                     |              |              |
|---------------------------------------|--------------|--------------|---------------------|--------------|--------------|
| Contact position ID                   | Location     |              | Contact position ID | Location     |              |
|                                       | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm)  | Y-axis (mm)  |
| A                                     | +069 (1.75)  | +531 (13.49) | f                   | +412 (10.46) | +000 (0.00)  |
| B                                     | +203 (5.16)  | +495 (12.57) | g                   | +377 (9.58)  | -132 (3.35)  |
| C                                     | +324 (8.23)  | +425 (10.80) | h                   | +311 (7.90)  | -251 (6.38)  |
| D                                     | +424 (10.77) | +326 (8.28)  | k                   | +212 (5.38)  | -344 (8.74)  |
| E                                     | +493 (12.52) | +205 (5.21)  | m                   | +086 (2.18)  | -397 (10.08) |
| F                                     | +531 (13.49) | +069 (1.75)  | n                   | -086 (2.18)  | -397 (10.08) |
| G                                     | +531 (13.49) | -069 (1.75)  | p                   | -212 (5.38)  | -344 (8.74)  |
| H                                     | +493 (12.52) | -205 (5.21)  | q                   | -311 (7.90)  | -251 (6.38)  |
| J                                     | +424 (10.77) | -326 (8.28)  | r                   | -377 (9.58)  | -132 (3.35)  |
| K                                     | +324 (8.23)  | -425 (10.80) | s                   | -412 (10.46) | +000 (0.00)  |
| L                                     | +203 (5.16)  | -495 (12.57) | t                   | -377 (9.58)  | +132 (3.35)  |
| M                                     | +069 (1.75)  | -531 (13.49) | u                   | -311 (7.90)  | +251 (6.38)  |
| N                                     | -069 (1.75)  | -531 (13.49) | v                   | -212 (5.38)  | +344 (8.74)  |
| P                                     | -203 (5.16)  | -495 (12.57) | w                   | -086 (2.18)  | +397 (10.08) |
| R                                     | -324 (8.23)  | -425 (10.80) | x                   | +069 (1.75)  | +263 (6.68)  |
| S                                     | -424 (10.77) | -326 (8.28)  | y                   | +172 (4.37)  | +149 (3.78)  |
| T                                     | -493 (12.52) | -205 (5.21)  | z                   | +258 (6.55)  | +000 (0.00)  |
| U                                     | -531 (13.49) | -069 (1.75)  | AA                  | +172 (4.37)  | -149 (3.78)  |
| V                                     | -531 (13.49) | +069 (1.75)  | BB                  | +069 (1.75)  | -263 (6.68)  |
| W                                     | -493 (12.52) | +205 (5.21)  | CC                  | -069 (1.75)  | -263 (6.68)  |

| Contacts<br>(insert arrangement 25-4) |              |              |                     |             |             |
|---------------------------------------|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                   | Location     |              | Contact position ID | Location    |             |
|                                       | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| X                                     | -424 (10.77) | +326 (8.28)  | DD                  | -172 (4.37) | -149 (3.78) |
| Y                                     | -324 (8.23)  | +425 (10.80) | EE                  | -258 (6.55) | +000 (0.00) |
| Z                                     | -203 (5.16)  | +495 (12.57) | FF                  | -172 (4.37) | +149 (3.78) |
| a                                     | -069 (1.75)  | +531 (13.49) | GG                  | -069 (1.75) | +263 (6.68) |
| b                                     | +086 (2.18)  | +397 (10.08) | HH                  | +000 (0.00) | +132 (3.35) |
| c                                     | +212 (5.38)  | +344 (8.74)  | JJ                  | +086 (2.18) | +000 (0.00) |
| d                                     | +311 (7.90)  | +251 (6.38)  | KK                  | +000 (0.00) | -132 (3.35) |
| e                                     | +377 (9.58)  | +132 (3.35)  | LL                  | -086 (2.18) | +000 (0.00) |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location             | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------------------|------------|
| 25         | -4              | 8                  | 16            | I              | y, z, AA, DD, EE, FF, LL, JJ | MS20057-4  |
|            |                 | 48                 | 20            |                | All others                   |            |

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| <b>TITLE</b>   | <b>Aluminium Plug 8D series</b>    |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D525W04PB-C</b> |                            | SHEET 2/2   |