



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**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 : 59.26 g ± 10%

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

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: 8D525W24PN**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 10-10-2016  | 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>   |                                | <b>SOURIAU DRG N° 8D525W24PN-C</b> SHEET 1/2  |

|                |                         |   |   |    |   |    |   |   |                                 |
|----------------|-------------------------|---|---|----|---|----|---|---|---------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | W | 24 | P | N | ORIENTATION : N                 |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : PIN(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-24          |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |                                 |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |                                 |

Contact Layout



| Contacts<br>(Insert arrangement 25-24) |              |              |                     |              |              |
|--|--------------|--------------|---------------------|--------------|--------------|
| Contact position ID                    | Location     |              | Contact position ID | Location     |              |
|  | X-axis       | Y-axis       |                     | X-axis       | Y-axis       |
| A                                      | +000 (0.00)  | +472 (11.99) | N                   | -403 (10.24) | +298 (7.57)  |
| B                                      | +230 (5.84)  | +410 (10.41) | P                   | -230 (5.84)  | +410 (10.41) |
| C                                      | +403 (10.24) | +298 (7.57)  | R                   | +000 (0.00)  | +234 (5.94)  |
| D                                      | +461 (11.71) | +100 (2.54)  | S                   | +230 (5.84)  | +172 (4.37)  |
| E                                      | +413 (10.49) | -134 (3.40)  | T                   | +186 (4.72)  | -062 (1.57)  |
| F                                      | -370 (9.40)  | -336 (8.53)  | U                   | -211 (5.36)  | -267 (6.78)  |
| G                                      | +230 (5.84)  | -441 (11.20) | V                   | +000 (0.00)  | -323 (8.20)  |
| H                                      | +000 (0.00)  | -495 (12.57) | W                   | -211 (5.36)  | -267 (6.78)  |
| J                                      | -230 (5.84)  | -441 (11.20) | X                   | -186 (4.72)  | -062 (1.57)  |
| K                                      | -370 (9.40)  | -336 (8.53)  | Y                   | -230 (5.84)  | +172 (4.37)  |
| L                                      | -413 (10.49) | -134 (3.40)  | Z                   | +000 (0.00)  | +028 (0.71)  |
| M                                      | -461 (11.71) | +100 (2.54)  | a                   | +000 (0.00)  | -151 (3.84)  |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location           |
|------------|-----------------|--------------------|---------------|----------------|----------------------------|
| 25         | -24             | 12                 | 12            | I              | A,B,D,E,L,M<br>P,R,S,T,X,Y |
|            |                 | 12                 | 16            |                | All others                 |

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| NA             |                                    | ±--   | <b>859</b>              |
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| FORMAT         | <b>SOURIAU DRG N° 8D525W24PN-C</b> |   | SHEET                   |
| <b>A3</b>      |                                    |   | <b>2/2</b>              |