



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 without Souriau contacts
- Temperature Range : -65°C to +175°C
- Salt Spray : 500 hours
- Mass : 61 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: 8D525W37SAL**

|                                     |                          |                                |  |
|-------------------------------------|--------------------------|--------------------------------|--|
| A                                   | 10-10-2016               | First Release                  |  |
| ISS                                 | DATE                     | Latest modification - by       | MOD N°   |
| Designed By:                        |                          | Date:                          | <b>CUSTOMER DRAWING</b>  |
| <b>TITLE</b>                        | Aluminium Plug 8D series |                                |  |
| SCALE                               |                          | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>  |
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| FORMAT                              | <b>A3</b>                |                                | SHEET<br>1/2   |
| <b>SOURIAU DRG N° 8D525W37SAL-C</b> |                          |                                |  |

|                |                         |   |   |    |   |    |   |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | W | 37 | S | A | L | Delivered W/O Contacts             |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   |   | ORIENTATION : A                    |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |   | CONTACT LAYOUT : 25-37             |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |   |                                    |

Contact Layout



| Contacts<br>(Insert arrangement 25-37) |              |              |                     |             |             |
|--|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|  | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (.00)   | +472 (11.99) | W                   | +242 (6.15) | +236 (5.99) |
| B                                      | +185 (4.70)  | +472 (11.99) | X                   | +326 (8.28) | +086 (2.18) |
| C                                      | +333 (8.46)  | +382 (9.70)  | Y                   | +326 (8.28) | -086 (2.18) |
| D                                      | +441 (11.20) | +249 (6.32)  | Z                   | +242 (6.15) | -236 (5.99) |
| E                                      | +500 (12.70) | +086 (2.18)  | a                   | +086 (2.18) | -320 (8.13) |
| F                                      | +500 (12.70) | -086 (2.18)  | b                   | -086 (2.18) | -320 (8.13) |
| G                                      | +441 (11.20) | -249 (6.32)  | c                   | -242 (6.15) | -236 (5.99) |
| H                                      | +333 (8.46)  | +382 (9.70)  | d                   | -326 (8.28) | -086 (2.18) |
| J                                      | +186 (4.72)  | -472 (11.99) | e                   | -326 (8.28) | +086 (2.18) |
| K                                      | +000 (.00)   | -472 (11.99) | f                   | -242 (6.15) | +236 (5.99) |
| L                                      | -186 (4.72)  | -472 (11.99) | g                   | -086 (2.18) | +320 (8.13) |
| M                                      | -333 (8.46)  | -382 (9.70)  | h                   | +000 (.00)  | +172 (4.37) |
| N                                      | -441 (11.20) | -249 (6.32)  | k                   | +154 (3.91) | +086 (2.18) |
| P                                      | -500 (12.70) | -086 (2.18)  | m                   | +154 (3.91) | -086 (2.18) |
| R                                      | -500 (12.70) | +086 (2.18)  | n                   | +000 (.00)  | -172 (4.37) |
| S                                      | -441 (11.20) | +249 (6.32)  | p                   | -154 (3.91) | -086 (2.18) |
| T                                      | -333 (8.46)  | +382 (9.70)  | q                   | -154 (3.91) | +086 (2.18) |
| U                                      | -186 (4.72)  | +472 (11.99) | r                   | +000 (.00)  | +000 (.00)  |
| V                                      | +086 (2.18)  | +320 (8.13)  | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -37             | 37                 | 16            | II             | All              | ---        |

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