



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- Shell Plating : Nickel
- 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 +200°C
- Salt Spray : 48 hours
- Mass : 90.62 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: 8D525F24BD**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 06-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Aluminium Plug 8D series       |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
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| FORMAT  | <b>SOURIAU DRG N° 8D525F24BD-C</b> |                                | SHEET<br>1/2                  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | F | 24 | B | D | ORIENTATION : D                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-24             |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | F = Nickel              |   |   |    |   |    |   |   |                                    |

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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| FORMAT         | <b>SOURIAU DRG N° 8D525F24BD-C</b> |                            | SHEET 2/2   |