



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 : Composite
- Shell Plating : Without Plating
- 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 : 2000 hours
- Mass : 104.8 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: 8D525X08SA**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 11-10-2016  | First Release                  |   |
| ISS          | DATE  | Latest modification - by       | MOD N°  |
| Designed By: |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b> | <b>Composite 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° 8D525X08SA-C</b> SHEET 1/2  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | X | 08 | S | A | ORIENTATION : A                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-08             |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | X = Without Plating     |   |   |    |   |    |   |   |                                    |

Contact Layout



Inactive for new design for MIL-DTL-38999. For new design, use arrangement no. 25-10.)

| Contact position ID | Contact location |              |
|---------------------|------------------|--------------|
|                     | X-axis (mm)      | Y-axis (mm)  |
| A                   | -000 (0.00)      | -426 (10.62) |
| B                   | +333 (8.46)      | +266 (6.76)  |
| C                   | +415 (10.54)     | -.095 (2.41) |
| D                   | +185 (4.70)      | -.384 (9.75) |
| E                   | -.185 (4.70)     | -.384 (9.75) |
| F                   | -.415 (10.54)    | -.095 (2.41) |
| G                   | -.333 (8.46)     | +266 (6.76)  |
| H                   | +000 (0.00)      | +000 (0.00)  |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Standard contact |               |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------------|---------------|
|            |                 |                    |               |                |                  | Pin              | Socket        |
| 25         | -8              | 8                  | 8             | Twinax         | All              | M39029/90-529    | M39029/91-530 |

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| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D525X08SA-C</b> |                            | SHEET 2/2   |