



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 : 2000 hours

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 48 Max   |
| Z'                  | 31.5 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: 8D525M29HB**

|                |                                    |                                |                                                                                                       |
|----------------|------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 07-10-2016                         | First Release                  |                                                                                                       |
| ISS            | DATE                               | Latest modification - by       | MOD N°                                                                                                |
| Designed By:   |                                    | Date:                          | <b>CUSTOMER DRAWING</b>                                                                               |
| <b>TITLE</b>   |                                    | Composite Plug 8D series       |                                                                                                       |
| SCALE          |                                    | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b>                                                                         |
| NA             |                                    |                                | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>             |                                |                                                                                                       |
| FORMAT         | <b>SOURIAU DRG N° 8D525M29HB-C</b> |                                | SHEET<br>1/2                                                                                          |
| <b>A3</b>      |                                    |                                |                                                                                                       |

|                |                         |   |   |    |   |    |   |   |                                   |
|----------------|-------------------------|---|---|----|---|----|---|---|-----------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 25 | M | 29 | H | B | ORIENTATION : B                   |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : PIN (1500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-29            |
| SHELL SIZE :   | 25                      |   |   |    |   |    |   |   |                                   |
| PLATING :      | M = Nickel              |   |   |    |   |    |   |   |                                   |

4  
3  
2  
1

**Contact Layout**



| Contacts<br>(Insert arrangement 25-29) |              |              |                     |             |             |
|----------------------------------------|--------------|--------------|---------------------|-------------|-------------|
| Contact position ID                    | Location     |              | Contact position ID | Location    |             |
|                                        | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm) |
| A                                      | +000 (0.00)  | +481 (12.22) | S                   | -091 (2.31) | +321 (8.15) |
| B                                      | +258 (6.55)  | +406 (10.31) | T                   | +091 (2.31) | +321 (8.15) |
| C                                      | +395 (10.03) | +277 (7.04)  | U                   | +228 (5.79) | +194 (4.93) |
| D                                      | +469 (11.91) | +109 (2.77)  | V                   | +319 (8.10) | +000 (0.00) |
| E                                      | -460 (11.01) | -100 (2.77)  | W                   | -240 (6.10) | -181 (4.60) |
| F                                      | +395 (10.03) | -277 (7.04)  | X                   | +091 (2.31) | -290 (7.37) |
| G                                      | +263 (6.68)  | -406 (10.31) | Y                   | -091 (2.31) | -290 (7.37) |
| H                                      | +091 (2.31)  | -472 (11.99) | Z                   | -240 (6.10) | -181 (4.60) |
| J                                      | -091 (2.31)  | -472 (11.99) | a                   | -319 (8.10) | +000 (0.00) |
| K                                      | -263 (6.68)  | -406 (10.31) | b                   | -228 (5.79) | +194 (4.93) |
| L                                      | -395 (10.03) | -277 (7.04)  | c                   | +000 (0.00) | +161 (4.09) |
| M                                      | -469 (11.91) | -109 (2.77)  | d                   | +134 (3.40) | +000 (0.00) |
| N                                      | -469 (11.91) | +109 (2.77)  | e                   | +000 (0.00) | -130 (3.30) |
| P                                      | -395 (10.03) | +277 (7.04)  | f                   | -134 (3.40) | +000 (0.00) |
| R                                      | -258 (6.55)  | +406 (10.31) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -29             | 29                 | 16            | I              | All              | MS20057-29 |

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: 8D525M29HB**

|                |                                    |                            |                                                                                                       |
|----------------|------------------------------------|----------------------------|-------------------------------------------------------------------------------------------------------|
| A              | 07-10-2016                         | 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                                                                                       |
| NA             |                                    | ±--                        | <b>859</b>                                                                                            |
| <b>SOURIAU</b> | <b>WWW.SOURIAU.COM</b>             |                            | This document is the property of SOURIAU it must not be reproduced or communicated without permission |
| FORMAT         | <b>SOURIAU DRG N° 8D525M29HB-C</b> |                            | SHEET<br>2/2                                                                                          |