



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: 8D525M19JN**

|                |                                    |                                |   |
|----------------|------------------------------------|--------------------------------|---|
| 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 |
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| FORMAT         | <b>SOURIAU DRG N° 8D525M19JN-C</b> |                                | SHEET<br>1/2  |
| <b>A3</b>      |                                    |                                |   |

|               |                           |   |   |    |   |    |   |   |                                      |
|---------------|---------------------------|---|---|----|---|----|---|---|--------------------------------------|
| BASIC SERIES: | 8D                        | 5 | - | 25 | M | 19 | J | N | ORIENTATION : N                      |
| SHELL TYPE    | : Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET (1500 Matings) |
| CONTACT TYPE  | : Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 25-19               |
| SHELL SIZE    | : 25                      |   |   |    |   |    |   |   |                                      |
| PLATING       | : M = Nickel              |   |   |    |   |    |   |   |                                      |

4  
3  
2  
1

**Contact Layout**



Contacts  
(Insert arrangement 25-19)

| Contact position ID | Location     |              | Contact position ID | Location    |              |
|---------------------|--------------|--------------|---------------------|-------------|--------------|
|                     | X-axis (mm)  | Y-axis (mm)  |                     | X-axis (mm) | Y-axis (mm)  |
| A                   | +000 (0.00)  | +409 (10.39) | L                   | -354 (8.99) | +205 (5.21)  |
| B                   | +236 (5.99)  | +409 (10.39) | M                   | -236 (5.99) | +409 (10.39) |
| C                   | +354 (8.99)  | +205 (5.21)  | N                   | -118 (3.00) | +205 (5.21)  |
| D                   | +472 (11.99) | +000 (0.00)  | P                   | +118 (3.00) | +205 (5.21)  |
| E                   | +354 (8.99)  | -205 (5.21)  | R                   | +236 (5.99) | +000 (0.00)  |
| F                   | +236 (5.99)  | -409 (10.39) | S                   | +118 (3.00) | -205 (5.21)  |
| G                   | +000 (0.00)  | -409 (10.39) | T                   | -118 (3.00) | -205 (5.21)  |
| H                   | -236 (5.99)  | -409 (10.39) | U                   | -236 (5.99) | +000 (0.00)  |
| J                   | -354 (8.99)  | -205 (5.21)  | V                   | +000 (0.00) | +000 (0.00)  |
| K                   | -472 (11.99) | +000 (0.00)  | ---                 | ---         | ---          |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 25         | -19             | 19                 | 12            | I              | All              | MS20057-19 |

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