



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 38.5 Max |
| Z'                  | 31.5 Max |
| VV THREAD           | M28x1-6g |

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Composite
- 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 with Souriau contacts and Accessories
- Temperature Range : -65°C to +175°C
- Salt Spray : 2000 hours

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: 8D519J11JN**

|   |                                    |                                |                               |
|---|------------------------------------|--------------------------------|-------------------------------|
| A   | 18-10-2016                         | First Release                  |                               |
| ISS   | DATE                               | Latest modification - by       | MOD N°                        |
| Designed By:  |                                    | Date:                          | <b>CUSTOMER DRAWING</b>       |
| <b>TITLE</b>  |                                    | Composite Plug 8D series       |                               |
| SCALE   | NA                                 | General linear Tolerances: ±-- | NPRDS / PROJECT<br><b>859</b> |
| <b>SOURIAU</b>  |                                    | <b>WWW.SOURIAU.COM</b>         |                               |
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| FORMAT  | <b>SOURIAU DRG N° 8D519J11JN-C</b> |                                | SHEET<br>1/2                  |

|                |                                      |   |   |    |   |    |   |   |  |
|----------------|--------------------------------------|---|---|----|---|----|---|---|--|
| BASIC SERIES:  | 8D                                   | 5 | - | 19 | J | 11 | J | N |  |
| SHELL TYPE :   | Plug with RFI Shielding              |   |   |    |   |    |   |   |  |
| CONTACT TYPE : | Standard Crimp Contact               |   |   |    |   |    |   |   |  |
| SHELL SIZE :   | 19                                   |   |   |    |   |    |   |   |  |
| PLATING :      | J = Olive drab Cadmium               |   |   |    |   |    |   |   |  |
|                | ORIENTATION : N                      |   |   |    |   |    |   |   |  |
|                | CONTACT TYPE : SOCKET (1500 Matings) |   |   |    |   |    |   |   |  |
|                | CONTACT LAYOUT : 19-11               |   |   |    |   |    |   |   |  |

Contact Layout



| Contact position ID | Location    |             | Contact position ID | Location    |             |
|---------------------|-------------|-------------|---------------------|-------------|-------------|
|                     | X-axis (mm) | Y-axis (mm) |                     | X-axis (mm) | Y-axis (mm) |
| A                   | +105 (2.67) | +260 (6.60) | G                   | -275 (6.99) | -053 (1.35) |
| B                   | +250 (6.35) | +132 (3.35) | H                   | -250 (6.35) | +132 (3.35) |
| C                   | +275 (6.99) | -053 (1.35) | J                   | -105 (2.67) | +260 (6.60) |
| D                   | +179 (4.55) | -215 (5.46) | K                   | +000 (0.00) | +105 (2.67) |
| E                   | +000 (0.00) | -281 (7.14) | L                   | +000 (0.00) | -092 (2.34) |
| F                   | -179 (4.55) | -215 (5.46) | ---                 | ---         | ---         |

| Shell size | Arrangement no. | Number of contacts | Size contacts | Service rating | Contact location | Supersedes |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| T9         | -11             | 11                 | 16            | II             | All              | MS20054-11 |

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| <b>TITLE</b>   | <b>Composite Plug 8D series</b>    |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D519J11JN-C</b> |                            | SHEET 2/2   |