



LAYOUT SHOWN AS EXAMPLE

Keying Shown as example

**CHARACTERISTICS**

- Standard : Based on MIL-DTL-38999 Series III
- Shell Material : Aluminium
- 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 : 500 hours
- Mass : 51.36 g ± 10%

| Connector dimension |          |
|---------------------|----------|
| Dim                 | Nominal  |
| ØS                  | 38.5 Max |
| Z                   | 31 Max   |
| VV THREAD           | M28x1-6g |

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.)

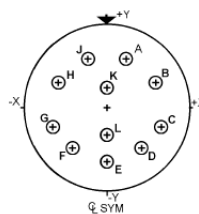
| Country | Jurisdiction & Control List |
|---------|-----------------------------|
| FR      | Not Listed                  |

**PN: 8D519W11SD**

|              |   |                                |   |
|--------------|---|--------------------------------|---|
| A            | 19-10-2016  | First Release                  |   |
| ISS          | DATE  | Latest modification - by       | MOD N°  |
| Designed By: |   | Date:                          | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b> | <b>Aluminium 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° 8D519W11SD-C</b> SHEET 1/2  |

|                |                         |   |   |    |   |    |   |   |                                    |
|----------------|-------------------------|---|---|----|---|----|---|---|------------------------------------|
| BASIC SERIES:  | 8D                      | 5 | - | 19 | W | 11 | S | D | ORIENTATION : D                    |
| SHELL TYPE :   | Plug with RFI Shielding |   |   |    |   |    |   |   | CONTACT TYPE : SOCKET(500 Matings) |
| CONTACT TYPE : | Standard Crimp Contact  |   |   |    |   |    |   |   | CONTACT LAYOUT : 19-11             |
| SHELL SIZE :   | 19                      |   |   |    |   |    |   |   |                                    |
| PLATING :      | W = Olive drab Cadmium  |   |   |    |   |    |   |   |                                    |

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 |
|------------|-----------------|--------------------|---------------|----------------|------------------|------------|
| 19         | -11             | 11                 | 16            | II             | All              | MS20054-11 |

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| Designed By:   |                                    | Date:                      | <b>CUSTOMER DRAWING</b>   |
| <b>TITLE</b>   | Aluminium Plug 8D series           |                            |   |
| SCALE          |                                    | General linear Tolerances: | NPRDS / PROJECT   |
| NA             |                                    | ±--                        | <b>859</b>  |
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| FORMAT         | <b>SOURIAU DRG N° 8D519W11SD-C</b> |                            | SHEET 2/2   |